전립선비대증, "한미탐스 패밀리"로 시작하세요!

전립선비대증 1차 치료제
한미탐스 кап슐 0.2mg/0.4mg
(탐스로신염산염)

한미탐스 오디정 0.2mg/0.4mg

국내 최초
Tamsulosin 용량별 두 가지 제형을 모두 보유

Tamsulosin 0.2mg
Tamsulosin 0.4mg
 Bermuda 티어보이병용법

수술이 불가능하거나 전이성인 측세종 치료
이전 치료 경험의 중간 혹은 고위험 진행성 신세포암의 1차 치료
PD-1 약물 치료(1차 치료)으로서, EGFR 또는 ALK 변이가 없는 전이성 또는 재발성 비소세포암의 1차 치료
EGFR 또는 ALK 변이가 없는 전이성 또는 재발성 비소세포암의 1차 치료로서 벽 근기 플라크요법 2주기와의 병용요법
수술이 불가능한 악성 종양 증파중의 간호사에서 1차 치료
플루오르피티산, 풍성 Worship 및 투나디알 치료 후 재발한 고분비-혈액적 개방성(microsatellite instability-high, MSI-H) 또는 불일치 극복 결합(mismatch repair deficient, dMMR)이 있는 전이성 폐결핵성 성인 환자에서의 병용요법

" Bermuda 티어보이병용법"


Bristol Myers Squibb

ONO PHARMA KOREA
ZYTYGIA®

IN PATIENTS WITH HIGH-RISK mHSPC

High Risk was defined as having at least two of the three following high-risk factors associated with poor prognosis:

- Gleason score ≥ 8
- ≥ 3 bone lesions
- Presence of measurable visceral metastases


Japanese Translation

ジザティガ®製品情報 (近接増悪症: 2022年7月13日)

【使用例】(1) 1,159.6 mg：ラジオイオラジオSabre 800 mg、放射線療法の併用投与（長期末期）

【推奨】(1) 1,159.6 mg：ラジオイオラジオSabre 800 mg、放射線療法の併用投与（長期末期）

【試験】(1) 1,159.6 mg：ラジオイオラジオSabre 800 mg、放射線療法の併用投与（長期末期）

【注意】(1) 1,159.6 mg：ラジオイオラジオSabre 800 mg、放射線療法の併用投与（長期末期）
UROLIFT®

BPH Relief. In Sight.™
Before performing any clinical procedure utilizing the da Vinci Surgical System, physicians are responsible for receiving sufficient education, training, guidance and supervision offered by Intuitive Surgical, to ensure that they have the skill and the experience necessary to protect the health and safety of the patient. However, Intuitive Surgical only trains on the use of the da Vinci Surgical System, not medical knowledge. For technical information, including full cautions and warnings on using the da Vinci System, please refer to the system user manual. Read all instructions carefully. Failure to follow instructions, notes, cautions, warnings and danger messages may lead to serious injury or complications for the patient.

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Selective Type 2
TARGETING
5AR Type2 억제
선택적으로 억제하는 최초의 5ARI 제제 프로스카

PROSCAR
(Trademark)

References:
1. Prostate (Bhargava, 2010)

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OAB* 환자의 Quality of Life 토비애즈로 지켜주세요!

토비애즈는 65세 이상 고령환자의 과민성변량 증상 개선과 삶의 질 향상에 효과적이었습니다.

* OAB(Overactive bladder)
**Greeting Message**

Dear Colleagues and Friends:
Greetings from South Korea.

As the President of the Korean Urological Association (KUA), it gives me great pleasure to invite you to the 74th Korean Urological Association Annual Meeting to be held on 5-8 October 2022 at COEX, Seoul.

This year’s annual meeting is an international conference held in Korea, and not to be missed academic programs of all subspecialties have been prepared by our academic committee. Lectures and presentations will be delivered by outstanding researchers from Japan, Taiwan, and Malaysia as well as from international urological societies, including the European Urological Association, American Urological Association, and Société Internationale d’Urologie.

Our team is committed to making this meeting a highlight in the 2022 calendar, and I sincerely hope that members and nurses can all attend and enjoy. More details on the programs are to be updated regarding the KUA 2022.

Lastly, I would like to express my deepest gratitude to the committee members and staff for their hard work preparing for this regular academic meeting despite current difficulties. I wish for the safety and well-being of all colleagues and friends until the day we meet.

Sang Don Lee, M.D., Ph.D.
President
The Korean Urological Association
KUA 2022

Organizing Committee

President
Sang Don Lee

President-elect
Jun Hyuk Hong

Honorary President
Choung Soo Kim

Vice President
Kyu Sun Cho

Vice President
Young Goo Lee

Vice President
Jong Hyun Kim

Secretary General
Hwancheol Son

Director of Insurance Committee
Kwanjoong Joo

Director of Insurance Committee
Jun Hyun Han

Director of Academic Committee
Seong Il Seo

Director of Planning Committee
Cheryn Song

Director of Research Committee
Seok Ho Kang

Director of Education and Training Committee
Kwanjin Park

Director of Board Examination Committee
Woong Kyu Han

Director of International Relations Committee
Sung Kyu Hong

Director of Legislation Committee
Taehwan Kim

Director of Finance Committee
Dong Gil Shin

Director of Public-Relations Committee / Spokesperson
Minki Baek

Director of Information and Public Media Committee
Yong Joon Kim

Director of the Publication Committee
Hyun Jun Park

Director of Rights and Grievance Communication Committee
Kyung Hyun Moon

Director of Women’s Policy Committee
Sun-Ouck Kim

Director of External Affairs
Jae Sung Lim

Director of Committee for Training Program Reform and Policy Development
Jang Hwan Kim

Director of Private Clinic Development
Yongwoo Kim

Editor in Chief, Investigative and Clinical Urology
Kwangsung Park

Director of Legal Advisory Committee
Phil Hyun Song

Director of Ethics Committee
Tae Gyun Kwon
Scientific Program Committee

Chair
Seong Il Seo

Secretary
Jae Young Park

Members
Chang Wook Jeong

Members
Hyeon Woo Kim

Members
Hyun-Sop Choe

Members
Jae Duck Choi

Members
Jae Heon Kim

Members
Jong-Wook Park

Members
Minyong Kang

Members
Sang Woon Kim

Members
Suk Hwan Choi

Members
Sung Han Kim

Members
Sung Tae Cho

Members
Sung Yong Cho

Members
U-Syn Ha

Members
Wan Song

Members
Won Ki Lee

Members
Young Hoon Lee

Session Directors

Plenary
Jae Young Park

Semi Live Surgery
Jong-Wook Park

Meet the Expert
Chang Wook Jeong

On-line Symposium
Jae Heon Kim

Young Urologist session
Minyong Kang
KUA Introduction

Some lectures and booth exhibitions of the KUA 2022 academic conference can be found on Metaverse.

Please experience the KUA 2022 Virtual metaverse by scanning the QR code below.
# Program at a Glance

## DAY 1 5 Wed., October

<table>
<thead>
<tr>
<th>Room A</th>
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<th>Room</th>
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</thead>
<tbody>
<tr>
<td>102+103</td>
<td>201+202</td>
<td>203</td>
<td>209</td>
<td>206</td>
</tr>
</tbody>
</table>

**08:30-**
Registration (1F Registration Desk)

**09:00-10:00**
On-Line Symposium 1 [Oncology 1]

**10:00-11:00**
On-Line Symposium 2 [Endourology]

**11:00-12:00**
Satellite Luncheon Symposium 1

**12:00-12:30**
Satellite Luncheon Symposium 2

**12:30-13:00**
On-Line Symposium 4 [Oncology 2]

**13:00-14:00**
On-Line Symposium 5 [Endourology & Stone Disease (1)]

**14:00-15:00**
KUA Board Meeting

**15:00-15:30**
KUA Board Meeting (Rm. 101)

**15:30-16:00**
Podium Session 6 Infections & Geriatrics

**16:00-16:30**
Podium Session 7 Endourology & Stone Disease (1)

**16:30-17:00**
Podium Session 8 LUTS/BPH (2)

**17:00-17:30**
Podium Session 9 Cancer-Prostate (2)

**17:30-**
KUA Presidential Dinner (*Invited Only) (Rm. 102+103)
(17:30 Welcome Cocktail & Photo Time)

**09:00-17:30**
E-Poster Display (On-line & Rm. 205B)
### DAY 2 6 Thu., October

<table>
<thead>
<tr>
<th>Time</th>
<th>Room A</th>
<th>Room B</th>
<th>Room C</th>
<th>Room D</th>
<th>Room E</th>
</tr>
</thead>
<tbody>
<tr>
<td>07:50-08:00</td>
<td><strong>Booth Opening Ceremony (IF, Lobby)</strong></td>
<td><strong>Meet the Expert 1</strong> Kyu-Sung Lee</td>
<td><strong>Meet the Expert 2</strong> Kwangsung Park</td>
<td><strong>KUA Subspecialty Leadership Meeting</strong> [Breakfast]</td>
<td></td>
</tr>
<tr>
<td>08:00-09:00</td>
<td><strong>Opening Ceremony (Rm.102+103)</strong></td>
<td><strong>Podium Session 10</strong> Basic Research -Cancer (2)</td>
<td><strong>Podium Session 11</strong> Infertility &amp; Sexual Dysfunction / Basic Research - Infertility &amp; Sexual Dysfunction</td>
<td><strong>ICUrology Workshop</strong></td>
<td><strong>Committee for Training Program Reform and Policy Development - OSCE Model Exhibition (Rm.206)</strong></td>
</tr>
<tr>
<td>09:00-09:30</td>
<td><strong>Plenary Session 1</strong></td>
<td><strong>KUA Subspecialty Leadership Meeting</strong></td>
<td><strong>[Breakfast]</strong></td>
<td></td>
<td><strong>Board Meeting of Foundation for KUA</strong></td>
</tr>
<tr>
<td>09:30-10:30</td>
<td><strong>Podium Session 11</strong> Infertility &amp; Sexual Dysfunction / Basic Research - Infertility &amp; Sexual Dysfunction</td>
<td><strong>Podium Session 10</strong> Basic Research -Cancer (2)</td>
<td><strong>KUA Subspecialty Leadership Meeting</strong></td>
<td><strong>Committee for Training Program Reform and Policy Development - OSCE Model Exhibition (Rm.206)</strong></td>
<td></td>
</tr>
<tr>
<td>10:30-11:00</td>
<td><strong>Podium Session 11</strong> Infertility &amp; Sexual Dysfunction / Basic Research - Infertility &amp; Sexual Dysfunction</td>
<td><strong>KUA Subspecialty Leadership Meeting</strong></td>
<td><strong>[Breakfast]</strong></td>
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</tr>
<tr>
<td>11:00-11:30</td>
<td><strong>Board Meeting of Foundation for KUA</strong></td>
<td><strong>Podium Session 10</strong> Basic Research -Cancer (2)</td>
<td><strong>[Breakfast]</strong></td>
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<td></td>
</tr>
<tr>
<td>11:30-12:00</td>
<td><strong>Quiz Competition for Residents (Rm.104+105) / 12:00-13:00</strong></td>
<td><strong>Podium Session 10</strong> Basic Research -Cancer (2)</td>
<td><strong>[Breakfast]</strong></td>
<td></td>
<td><strong>Press Conference</strong></td>
</tr>
<tr>
<td>12:00-12:20</td>
<td><strong>Satellite Luncheon Symposium 3</strong></td>
<td><strong>Satellite Luncheon Symposium 4</strong></td>
<td><strong>Satellite Luncheon Symposium 5</strong></td>
<td><strong>Satellite Luncheon Symposium 6</strong></td>
<td><strong>Press Conference</strong></td>
</tr>
<tr>
<td>12:20-13:00</td>
<td><strong>Satellite Luncheon Symposium 3</strong></td>
<td><strong>Satellite Luncheon Symposium 4</strong></td>
<td><strong>Satellite Luncheon Symposium 5</strong></td>
<td><strong>Satellite Luncheon Symposium 6</strong></td>
<td><strong>Press Conference</strong></td>
</tr>
<tr>
<td>13:00-14:00</td>
<td><strong>Plenary Session 2</strong></td>
<td><strong>Video Session 1</strong> [Oncology 1]</td>
<td><strong>On-Line Symposium 1</strong> [Oncology 1]</td>
<td><strong>Women's Policy Workshop</strong></td>
<td><strong>Committee for Training Program Reform and Policy Development - OSCE Model Exhibition (Rm.206)</strong></td>
</tr>
<tr>
<td>14:00-15:00</td>
<td><strong>KOR</strong></td>
<td><strong>Podium Session 12</strong> Cancer-Bladder, Pelvis, Ureter &amp; Others (!)</td>
<td><strong>On-Line Symposium 2</strong> [Endourology]</td>
<td><strong>Female Urologist Meeting</strong></td>
<td></td>
</tr>
<tr>
<td>15:00-16:00</td>
<td><strong>Plenary Session 3</strong></td>
<td><strong>Podium Session 13</strong> Trauma &amp; Others</td>
<td><strong>Young Urologist Symposium 2</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16:00-17:00</td>
<td><strong>ENG</strong></td>
<td><strong>Podium Session 14</strong> Cancer-Kidney (!)</td>
<td><strong>KUA Textbook Compilation Committee</strong></td>
<td></td>
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<tr>
<td>17:00-17:30</td>
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<tr>
<td>18:00-</td>
<td><strong>Uro Fun Run (IF, Lobby)</strong></td>
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<tr>
<td>08:00-17:30</td>
<td><strong>E-Poster Display (On-line &amp; Rm. 205B)</strong></td>
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</tbody>
</table>

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**74th ANNUAL MEETING OF THE KOREAN UROLOGICAL ASSOCIATION**
### Program at a Glance

#### DAY 3 7 Fri., October

<table>
<thead>
<tr>
<th>Time</th>
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<th>Room C</th>
<th>Room D</th>
<th>Room E</th>
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<tr>
<td>08:00-09:00</td>
<td>Meet the Expert 3 Kihyuck Moon</td>
<td>Meet the Expert 4 Seok-Soo Byun</td>
<td>Meet the Expert 5 Gilho Lee</td>
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<tr>
<td>09:00-10:00</td>
<td>Plenary Session 4</td>
<td>Podium Session 15 Cancer-Prostate (3)</td>
<td>Nurse Forum</td>
<td></td>
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<tr>
<td>10:00-11:00</td>
<td>Podium Session 16 Cancer-Bladder, Pelvis, Ureter &amp; Others (2)</td>
<td>Nurse Forum</td>
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</tr>
<tr>
<td>11:00-12:00</td>
<td>Satellite Luncheon Symposium 7 GSK</td>
<td>Satellite Luncheon Symposium 8</td>
<td>Satellite Luncheon Symposium 9 INTUITIVE Luncheon Meeting for Main Sponsors</td>
<td>On-Line Symposium 3 [Andrology]</td>
<td>Business meeting of Korean Urological Research Society</td>
</tr>
<tr>
<td>12:00-13:00</td>
<td>KUA 74th General Assembly</td>
<td>On-Line Symposium 4 [Oncology 2]</td>
<td>UDS Workshop</td>
<td>E-Poster Display (On-line &amp; Rm. 205B)</td>
<td></td>
</tr>
<tr>
<td>13:00-14:00</td>
<td>Special Lecture - National Insurance Strategy - Kim, Sae Chul’s Awards</td>
<td>Report of Accredited Urologic-Endoscopy Unit</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14:00-15:00</td>
<td>Podium Session 17 Cancer-Bladder, Pelvis, Ureter &amp; Others (3) / Incontinence &amp; Female Urology &amp; Neurourology</td>
<td>Semi Live Surgery 2</td>
<td>Podium Session 18 Cancer-Kidney (2)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15:00-16:00</td>
<td>Podium Session 19 Cancer-Prostate (4)</td>
<td>Semi Live Surgery 2</td>
<td>Podium Session 20 Endourology &amp; Stone Disease (2)</td>
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<td></td>
</tr>
<tr>
<td>16:00-17:00</td>
<td>Podium Session 20 Endourology &amp; Stone Disease (2)</td>
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<td></td>
</tr>
<tr>
<td>08:00-17:30</td>
<td>E-Poster Display (On-line &amp; Rm. 205B)</td>
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</tbody>
</table>
8 Sat., October

COEX Conference Room (South), COEX
Room 300 (3F)

09:30-17:00

KUA-AUA Resident Review Course

1F COEX (South)

① 코엑스 1층 동문 또는 남문 2로 출입 후
Enter through East Gate or South Gate 2 on the 1st floor of COEX

② 엘리베이터 또는 에스컬레이터를 이용하여 3층으로 이동
Take the elevator or escalator to the 3rd floor

③ 안내 배너 확인 후 300호로 이동
After checking the Information Banner, go to Room 300
Map

1F COEX (North)

Exhibition (101) Room A (102+103) Exhibition (104+105)

Registration Desk

Room B (201+202) Room C (203) Room D (209) Room E (205A)

Meeting Room (205B) E-Poster F (205B) VIP Room (205+201)

Entrance

Bongeuna
KUA Social Events

Day 1 : 5 (Wed.) October

KUA 2022 Board Meeting (평의원회)
* Board members only
14:00-17:00 / Room 101

KUA Presidential Dinner
* Invited Only
18:00-20:00 / Lobby (IF) & Room A (102+103)
(17:30 Welcome Cocktail & Photo Time)

Day 2 : 6 (Thu.) October

Booth Opening Ceremony (부스개장식)
* All participants
07:50-08:00 / Lobby (1F)

Press Conference (기자간담회)
* Journalists / Invited Only
11:30-12:30 / Room E (205A)

5th Quiz Competition for Residents
(제5회 유로퀴즈왕)
* All participants
12:00-13:00 / Booth exhibition hall (104+105)
- 유로퀴즈왕 콘테스트에 참가한 전공의 선생님들에게 응원상품, 청중상품이 준비되어 있습니다.

KUA2022 Opening Ceremony (개회식)
* All participants
07:50-08:00 / Room A (102+103)
- New KUA Signboard Ceremony
- New Characters Announcement Ceremony
- Book Publishing Ceremony
- Handbook of Guideline on 10 Major Diseases of Urology
- Outpatient Clinic
- Accredited Urologic-Endoscopy Unit Ceremony

Day 3 : 7 (Fri.) October

KUA 74th General Assembly (74차 정기총회)
* All participants
13:00-01:40:00 / Room A (102+103)
- Academic Award Ceremony
- 희망보고, 자기학위전 소개 등

URO FUN RUN (5km)
* Applicant in advance / On-site application available
18:00- / Lobby (IF)
- 가수 선, 아나운서 박지혜와 함께하는 기부 5km 시티런 행사입니다.
  - 참가비: 1만원(참가자의 이름으로 투자자명 환수를 위한 단체에 10만원 기부될 예정입니다.)
KUA 2022

Main Sponsors

KUA Diamond

KUA Platinum Plus

KUA Platinum

KUA Gold

KUA Silver
### Map of the Exhibition Hall at the 74th Annual Meeting of the Korean Urological Association

**1F Exhibition Hall**

#### Floor Plan
- **Entrance**
- **Room A (102+103)**
- **Table Zone**
- **Registration Desk**
- **Secretariat Office**
- **Preview Room**

#### Hall Layout
- **A Zone**
- **B Zone**

#### Equipment & Services
- **Toilet**
- **Stair**
- **Escalator**
- **Elevator**
- **Coffee Booth**
- **Photo Booth**
- **Self Coffee**

#### Exhibitor List

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<th>Category</th>
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<td>Medical Equipment Company</td>
<td>47</td>
</tr>
<tr>
<td>(주)글락소스미스클라인</td>
<td>Pharmaceutical Company</td>
<td>43-45</td>
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<td>(주)뉴퐁</td>
<td>Medical Equipment Company</td>
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</tr>
<tr>
<td>다림양행</td>
<td>Medical Equipment Company</td>
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</tr>
<tr>
<td>네스플라이사이교나코리아, 필스텍</td>
<td>Medical Equipment Company</td>
<td>48</td>
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<tr>
<td>동구아이오메디칼</td>
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<td>동아메디칼</td>
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<td>백론 디벤션 코리아 (BD)</td>
<td>Medical Equipment Company</td>
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<td>보스톤바이오테크닉스</td>
<td>Medical Equipment Company</td>
<td>39, 40</td>
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<td>부산바이오제약</td>
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<td>(주)소구</td>
<td>Medical Equipment Company</td>
<td>59, 60</td>
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<td>산하바이오테크스</td>
<td>Medical Equipment Company</td>
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<tr>
<td>(주)佬예미디칼</td>
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<td>78</td>
</tr>
<tr>
<td>(주)사라이엔디시스템즈</td>
<td>Medical Equipment Company</td>
<td>37</td>
</tr>
<tr>
<td>(주)타이타닉바이오종합신약</td>
<td>Medical Equipment Company</td>
<td>74</td>
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- **List of Awards**
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*Map of the Exhibition Hall at the 74th Annual Meeting of the Korean Urological Association*
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**Book Store**

부스 및 광고를 협찬해 주신 회사의 모든 애로님 여러분께 감사드립니다.
List of Awards

제11회 김세철학술인상

구자현 / 서울의대

최근 3년간 연구활동이 탁월한 우수 학술인으로 선정 되심기에 이 상을 드립니다.
이 상은 경남스틸에서 후원합니다.

공헌상

조용현 / 가톨릭의대

지난 30여년간 대한민국 비뇨의학의 발전을 위하여 훌륭한 노력을 하셨음은 물론 후학들로부터 존경받는 모범이 되심기에 이 상을 드립니다.

대외공로상

박석산 / 인제의대, G샘병원

활발한 대내외적 활동으로 본 학회의 위상을 드높이고 후학들로부터 존경받는 모범이 되심기에 이 상을 드립니다.
List of Awards

학술상 : 국외논문

임상 최우수상
Identification of New Prognostic Markers and Therapeutic Targets for Non-Muscle Invasive Bladder Cancer: HER2 as a Potential Target Antigen
채현규 / 울산의대

임상 우수상
Features of Various Bladder Lesions and Their Impact on Clinical Symptoms and Recurrence in Interstitial Cystitis
신정현 / 이화의대

기초 최우수상
Chimeric nanocomposites for the rapid and simple isolation of urinary extracellular vesicles
김청수 / 이화의대

기초 우수상
Isolation and Genomic Analysis of Single Circulating Tumor Cell Using Human Telomerase Reverse Transcriptase and Desmoglein-2
서준교 / 울산의대

학술상 : 국내논문

임상 최우수상
Large database study of urinary stone composition in South Korea: Korean Society of Endourology and Robotics (KSER) research series
정해도 / 인제의대, 서일영 / 원광의대

임상 우수상
Effect of obesity and metabolic health on urolithiasis: A nationwide population-based study
최창일 / 한림의대

기초 최우수상
RNA interference mediated suppression of TRPV6 inhibits the progression of prostate cancer in vitro by modulating cathepsin B and MMP9 expression
김덕윤 / 대구가톨릭의대

기초 우수상
Urinary hsv2-miR-H9 to hsa-miR-3659 ratio is an effective marker for discriminating prostate cancer from benign prostate hyperplasia in patients within the prostate-specific antigen grey zone
강호원 / 충북의대

학술상 : 우수논문

임상부문
The trend of prostate cancer risk-stratification in a single Korean province between 2003 – 2021: a multicenter study recruiting entire regional training hospital data
고영희 / 영남의대

기초부문
Efficacy of Recombinant Bacillus Calmette-Guérin containing DNA in in-vivo Three-dimensional Bio-printed Bladder Cancer-on-a-chip and ex-vivo Orthotopic Mouse Model
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우수초록상

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Gemline DNA-repair gene and HOXB13 mutations in Korean men with metastatic prostate cancer: Data from a large Korean cohort
송상현/서울의대

임상부문
Prevalence and risk factors of post-pubertal hypertension following pyeloplasty at infancy
김민혁/서울의대

기초부문
Antifibrosis treatment improves detrusor overactivity and chronic bladder pain associated with neural remodeling of central nervous system in a mouse model of interstitial cystitis
권준범/대구파티마병원

기초부문
Is the effect of acute inhalation of fine dust on the testis comparable to renal failure? Experimental model in rat
태범식/고려의대

비디오부문
Robot assisted partial nephrectomy in complete endophytic renal tumor near the renal sinus
이충언/성균관의대

비수련 병의원부문
Early experience of aquablation therapy in patients with benign prostatic hyperplasia in Korea
조정호/골드만비뇨의학과의원

제1회 올해의 여성비뇨의학자

Urologist
윤하나/아시아절병병원

Resident
이단비/양산부산대학교병원
Invited Speakers

AUA

Fernando Kim
Denver Health Medical Center / USA

Speaker

Plenary Session I
Oct. 6 (Thu.), 10:00-10:15
Room A (102+103)

2022 KUA-AUA Resident Review Course
Oct. 8 (Sat.), 11:45-12:45
Room 300, 3F, COEX Conference Room

John Douglas Denstedt
Schulich School of Medicine & Dentistry,
The University of Western Ontario / Canada

Speaker

Plenary Session IV
Oct. 7 (Fri.), 11:45-12:00
Room A (102+103)

2022 KUA-AUA Resident Review Course
Oct. 8 (Sat.), 10:45-11:45, 16:15-17:00
Room 300, 3F, COEX Conference Room

Priya Padmanabhan
Beaumont Hospital / USA

Speaker

Plenary Session I
Oct. 6 (Thu.), 09:45-10:00
Room A (102+103)

2022 KUA-AUA Resident Review Course
Oct. 8 (Sat.), 09:35-10:45, 13:45-14:45
Room 300, 3F, COEX Conference Room

Nelson Eddie Bennett
Northwestern University Feinberg School of Medicine / USA

Speaker

Plenary Session IV
Oct. 7 (Fri.), 11:30-11:45
Room A (102+103)

2022 KUA-AUA Resident Review Course
Oct. 8 (Sat.), 14:45-16:00
Room 300, 3F, COEX Conference Room

EAU

Arnulf Stenzl
University of Tübingen Medical Center / Germany

Speaker

Plenary Session I
Oct. 6 (Thu.), 10:15-10:30
Room A (102+103)

Christian Gratzke
Albert-Ludwigs-University Freiburg / Germany

Speaker

Plenary Session I
Oct. 6 (Thu.), 11:45-12:00
Room A (102+103)

GUA

David Nikoleishvili
American Hospital Tbilisi / Georgia

Speaker

Plenary Session IV
Oct. 7 (Fri.), 11:15-11:30
Room A (102+103)

JUA

Hiroyuki Nishiyama
Tsukuba University / Japan

Speaker

Plenary Session I
Oct. 6 (Thu.), 11:15-11:30
Room A (102+103)
MUA

Noor Ashani Md Yusoff
Hospital Kuala Lumpur / Malaysia

Speaker

Plenary Session I
Oct. 6 (Thu.), 10:30-10:45
Room A (102+103)

SIU

Stavros Gravas
University of Cyprus / Greece

Speaker

Plenary Session I
Oct. 6 (Thu.), 11:30-11:45
Room A (102+103)

SSUU

Azimjon N. Tursunkulov
Akfa Medline Hospital / Uzbekistan

Speaker

Plenary Session IV
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Room A (102+103)

TUA

Chun-Te Wu
Chang Gung Memorial Hospital / Taiwan

Speaker

Plenary Session I
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Room A (102+103)

VUNA

Nhat Minh Nguyen
Hue University of Medicine and Pharmacy
/ Vietnam

Speaker

Plenary Session IV
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Room A (102+103)

Speakers at Satellite Luncheon Symposium

Chris Fitzpatrick
Director of Digital Product Portfolio
/ Intuitive Surgical

Speaker

Satellite Luncheon Symposium 9
Oct. 7 (Fri.), 12:00-12:20
Room C (203)
KUA 2022

Invited Speakers

Korean Invited Speakers

Sang Joon Park
MedicalIP
Speaker
Plenary Session II
Oct. 6 (Thu.), 13:00-13:30
Room A (102+103)

Jeongwon Ryu
Healerion
Speaker
Plenary Session II
Oct. 6 (Thu.), 14:00-14:30
Room A (102+103)

Sangmok Shin
Kiriyama
Speaker
Plenary Session II
Oct. 6 (Thu.), 14:30-15:00
Room A (102+103)

Joo Hun You
Division of Health Insurance Policy, Ministry of Health and Welfare
Speaker
Special Lecture-National Insurance Strategy
Oct. 7 (Fri.), 14:10-15:00
Room A (102+103)

Speakers at Workshop

Hye-Min Cho
KCSE Chair of Manuscript Editing Committee; InfoLumi
Speaker
ICUrology Workshop
Oct. 6 (Thu.), 10:00-10:30
Room C (203)

Sun Huh
KCSE-KAMJE President; Hallym University
Speaker
ICUrology Workshop
Oct. 6 (Thu.), 10:30-11:00
Room C (203)

Jieun Jung
Samsung Medical Center Urodynamic Nurse
Speaker
UDS Workshop
Oct. 7 (Fri.), 15:30-15:55
Room D (209)

Myung Joo Kim
Severance Hospital Urodynamic Nurse
Speaker
UDS Workshop
Oct. 7 (Fri.), 15:00-15:25
Room D (209)
KUA Speakers

A

**Hyun Su Ahn**
Ajou University
*Moderator*
Podium 13
Oct. 6 (Thu.), 15:00-16:00
Room B (201+202)

**Sun Tae Ahn**
Korea University
*Speaker*
Plenary Session III
Oct. 6 (Thu.), 16:00-16:15
Room A (102+103)
Nurse Forum
Oct. 7 (Fri.), 10:40-11:00
Room C (203)

B

**Jae Hyun Bae**
Korea University
*Panel*
Semi Live Surgery II
Oct. 7 (Fri.), 14:00-15:00
Room B (201+202)
*Moderator*
Satellite luncheon Symposium 8
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Room B (201+202)

**Seok-Soo Byun**
Seoul National University
*Speaker*
Meet the Expert 4
Oct. 7 (Fri.), 08:00-09:00
Room C (203)

C

**In Ho Chang**
Chung-Ang University
*Moderator*
Podium 10
Oct. 6 (Thu.), 09:30-10:30
Room B (201+202)

**Young Seop Chang**
Konyang University
*Speaker*
Plenary Session IV
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Sang Hyeon Cheon
University of Ulsan
Panel
Semi Live Surgery II
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Room B (201+202)

Jin Seon Cho
Hallym University
Moderator
Plenary Session III
Oct. 6 (Thu.), 17:00-17:30
Room A (102+103)

Kyu Seon Cho
Seoul Top Urology Clinic
Moderator
Women’s Policy Workshop
Oct. 6 (Thu.), 13:00-14:00
Room D (209)

Min Chul Cho
Seoul National University
Panel
Semi Live Surgery II
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Room B (201+202)

Sung Yong Cho
Seoul National University
Speaker
On-Line Symposium II: Endourology
Oct. 5 (Wed.), 10:30-10:45
Room A (102+103)

Won Yeol Cho
Dong-A University
Speaker
Plenary Session IV
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Jae Duck Choi
Eulji University
Speaker
Plenary Session I
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Jong Bo Choi
Ajou University
Moderator
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Joongwon Choi
Catholic University
Speaker
Young Urologist Symposium 2
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Se Young Choi
Chung-Ang University
Speaker
Nurse Forum
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C

See Min Choi
Gyeongsang National University

Speaker
Basic CME 필수교육
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Room C (203)

Woo Suk Choi
Konkuk University

Speaker
On-Line Symposium III: Andrology
Oct. 5 (Wed.), 12:15-12:30
Room A (102+103)

Min Soo Choo
Seoul National University

Panel
Ultrasound Hands-on Course for Urology Residents
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Speaker
UDS Workshop
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Hong Chung
Konkuk University

Speaker
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Jae Hoon Chung
Sungkyunkwan University

Speaker
Young Urologist Symposium 1
Room B (201+202)

Jae Il Chung
Inje University

Moderator
Podium 3
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Jae-Seung Chung
Inje University

Speaker
On-Line Symposium IV: Oncology 2
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Jinsoo Chung
National Cancer Center

Moderator
Podium 14
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KUA Speakers

H

Hong Koo Ha
Pusan National University
Speaker
Plenary Session III
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U-Syn Ha
Catholic University
Speaker
On-Line Symposium IV: Oncology 2
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Yun-Sok Ha
Kyungpook National University
Moderator
Young Urologist Symposium 2
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Won Sik Ham
Yonsei University
Panel
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Byoung Kyu Han
Urological Endoscopy Certification Committee, Perfect Urology Clinic
Speaker
Basic CME 필수교육
Oct. 5 (Wed.), 10:00-10:30
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Chang Hee Han
Catholic University
Moderator
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Deok Hyun Han
Sungkyunkwan University
Moderator
Podium 20
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Hyunho Han
Yonsei University
Speaker
Young Urologist Symposium 2
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Jang Hee Han
Seoul National University
Speaker
Young Urologist Symposium 1
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Ji-Yeon Han
Seongnam Citizens Medical Center
Moderator
UDS Workshop
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Hallym University
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Woong Kyu Han
Yonsei University
Speaker
Semi Live Surgery I
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Bumsik Hong
University of Ulsan
Moderator
Podium 16
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Jun Hyuk Hong
University of Ulsan
Moderator
Semi Live Surgery I
Oct. 5 (Wed.), 15:00-17:30
Room B (201+202)

Sung Hoo Hong
Catholic University
Speaker
Semi Live Surgery I
Oct. 5 (Wed.), 16:30-17:30
Room B (201+202)
Moderator
Satellite luncheon Symposium 6
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Sung Kyu Hong
Seoul National University
Moderator
Plenary Session I
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Plenary Session III
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Speaker
Plenary Session I
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Eu Chang Hwang
Chonnam National University
Speaker
Semi Live Surgery I
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Jae Seog Hyun
Gyeongsang National University
Moderator
Podium 11
Oct. 6 (Thu.), 10:30-11:30
Room B (201+202)
KUA 2022

KUA Speakers

Youngjae Im
Seoul National University
Speaker
Faculty CME 지도전문의교육
Oct. 5 (Wed.), 10:00-10:30
Room B (201+202)

Won Sik Jang
Yonsei University
Speaker
On-Line Symposium I: Oncology 1
Oct. 5 (Wed.), 09:30-09:45
Room A (102+103)

Seong Soo Jeon
Sungkyunkwan University
Moderator
On-Line Symposium IV: Oncology 2
Oct. 5 (Wed.), 13:00-14:00
Room A (102+103)

Byong Chang Jeong
Sungkyunkwan University
Speaker
Plenary Session III
Oct. 6 (Thu.), 15:15-15:30
Room A (102+103)

Chang Wook Jeong
Seoul National University
Speaker
Plenary Session III
Oct. 6 (Thu.), 15:45-16:00
Room A (102+103)
Satellite luncheon Symposium 6
Oct. 6 (Thu.), 12:00-12:20
Room D (209)
Moderator
Podium 14
Oct. 6 (Thu.), 16:00-17:00
Room B (201+202)

Hyun Cheol Jeong
Hallym University
Speaker
Nurse Forum
Oct. 7 (Fri.), 11:00-11:20
Room C (203)

Seong Jin Jeong
Seoul National University
Moderator
UDS Workshop
Oct. 7 (Fri.), 14:30-16:00
Room D (209)
J

**Seung Hwan Jeong**  
Seoul National University  
*Speaker*  
Young Urologist Symposium 2  
Oct. 6 (Thu.), 15:30-15:45  
Room C (203)

**Kwanjoong Joo**  
Sungkyunkwan University  
*Moderator*  
Video session 1  
Oct. 6 (Thu.), 13:00-14:00  
Room B (201+202)

**Jae Yong Jeong**  
Yonsei University  
*Panel*  
Ultrasound Hands-on Course for Urology Residents  
Oct. 5 (Wed.), 10:00-12:00  
Room D (209)

**Jae Young Joung**  
National Cancer Center  
*Speaker*  
Basic CME 필수교육  
Oct. 5 (Wed.), 10:00-10:30  
Room C (203)  
*Moderator*  
Podium 9  
Oct. 5 (Wed.), 16:00-17:00  
Room D (209)

**Seung Il Jung**  
Chonnam National University  
*Moderator*  
Video session 2  
Oct. 7 (Fri.), 11:00-12:00  
Room B (201+202)

**Won Ho Jung**  
Keimyung University  
*Speaker*  
On-Line Symposium II: Endourology  
Oct. 5 (Wed.), 10:00-10:15  
Room A (102+103)

K

**Sung Chul Kam**  
Gyeongsang National University  
*Speaker*  
Plenary Session III  
Oct. 6 (Thu.), 16:15-16:30  
Room A (102+103)

**Jung Yoon Kang**  
Eulji University  
*Moderator*  
Podium 4  
Oct. 5 (Wed.), 14:00-15:00  
Room C (203)
KUA 2022

KUA Speakers

K

Seok Ho Kang  
Korea University

Moderator

Video session 1  
Oct. 6 (Thu.), 13:00-14:00  
Room B (201+202)

Sung-Gu Kang  
Korea University

Moderator

Podium 20  
Oct. 7 (Fri.), 16:00-17:00  
Room C (203)

Taek Won Kang  
Chonnam National University

Moderator

Semi Live Surgery I  
Oct. 5 (Wed.), 15:00-17:30  
Room B (201+202)

Aram Kim  
Konkuk University

Speaker

Young Urologist Symposium 2  
Oct. 6 (Thu.), 15:45-16:00  
Room C (203)

Satellite luncheon Symposium 1  
Oct. 5 (Wed.), 12:00-12:20  
Room C (203)

Satellite luncheon Symposium 3  
Oct. 6 (Thu.), 12:00-12:20  
Room A (102+103)

Bum Soo Kim  
Kyungpook National University

Speaker

Plenary Session IV  
Oct. 7 (Fri.), 10:30-10:45  
Room A (102+103)

Byung Hoon Kim  
Keimyung University

Speaker

Plenary Session III  
Oct. 6 (Thu.), 17:00-17:15  
Room A (102+103)

Dae Kyung Kim  
Eulji University

Moderator

Podium 1  
Oct. 5 (Wed.), 13:00-14:00  
Room C (203)

Satellite luncheon Symposium 3  
Oct. 6 (Thu.), 12:00-12:20  
Room A (102+103)

Dong Soo Kim  
Kyung Hee University

Speaker

Nurse Forum  
Oct. 7 (Fri.), 11:20-11:40  
Room C (203)
### Greeting Message

**KDU Committee**

**Event:** 74th Annual Meeting of the Korean Urological Association

**Location:** [Details not provided]

**Date:** [Details not provided]

**Program:** [Details not provided]

**Exhibition:** [Details not provided]

**List of Awards:** [Details not provided]

**Speakers:** [Details not provided]

**Scientific Programs:** [Details not provided]

**Notice:** [Details not provided]

### List of Presenters

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<th>Presenter Name</th>
<th>Affiliation</th>
<th>Role</th>
<th>Session Title</th>
<th>Date</th>
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<td>Duk Yoon Kim</td>
<td>Daegu Catholic University</td>
<td>Moderator</td>
<td>Podium 5</td>
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<td>14:00-15:00</td>
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<tr>
<td>Hyeong Gon Kim</td>
<td>Konkuk University</td>
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<tr>
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<td>Pusan National University</td>
<td>Speaker</td>
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<td>Hyung Suk Kim</td>
<td>Dongguk University</td>
<td>Speaker</td>
<td>On-Line Symposium I: Oncology 1</td>
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<tr>
<td>Jang Hwan Kim</td>
<td>Yonsei University</td>
<td>Moderator</td>
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<tr>
<td>Jeong Hyun Kim</td>
<td>Kangwon National University</td>
<td>Speaker</td>
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<td>Jong Hyun Kim</td>
<td>Miz Medi hospital</td>
<td>Panel</td>
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<td>Oct. 6</td>
<td>13:00-14:00</td>
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<tr>
<td>Kwang Hyun Kim</td>
<td>Ewha Womans University</td>
<td>Speaker</td>
<td>Semi Live Surgery II</td>
<td>Oct. 7</td>
<td>15:00-16:00</td>
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Kwang Taek Kim
Gachon University
Panel
Women’s Policy Workshop
Oct. 6 (Thu.), 13:00-14:00
Room D (209)

Myung Soo Kim
Ewha Womans University
Speaker
Young Urologist Symposium 1
Oct. 5 (Wed.), 13:00-13:15
Room B (201+202)

Soo Woong Kim
Seoul National University
Moderator
Semi Live Surgery II
Oct. 7 (Fri.), 14:00-17:00
Room B (201+202)

Su-Jin Kim
Hallym University
Speaker
Plenary Session IV
Oct. 7 (Fri.), 10:00-10:15
Room A (102+103)

Sun Il Kim
Ajou University
Panel
Semi Live Surgery II
Oct. 7 (Fri.), 15:00-16:00
Room B (201+202)

Sun-Ouck Kim
Chonnam National University
Panel
Women’s Policy Workshop
Oct. 6 (Thu.), 13:00-14:00
Room D (209)
Moderator
UDS Workshop
Oct. 7 (Fri.), 13:00-14:30
Room D (209)
Podium 17
Oct. 7 (Fri.), 15:00-16:00
Room A (102+103)

Tae-Hwan Kim
Kyungpook National University
Moderator
Basic CME 필수교육
Oct. 5 (Wed.), 10:00-12:00
Room C (203)

Won Tae Kim
Chungbuk National University
Moderator
Podium 2
Oct. 5 (Wed.), 13:00-14:00
Room D (209)
Nurse Forum
Oct. 7 (Fri.), 09:15-10:40
Room C (203)
Youngwoo Kim  
Suwon Well Urology Clinic  
**Panel**  
Women's Policy Workshop  
Oct. 6 (Thu.), 13:00-14:00  
Room D (209)

Young-Sig Kim  
NHIS Ilsan Hospital  
**Moderator**  
Podium 18  
Oct. 7 (Fri.), 15:00-16:00  
Room C (203)

Young-Ho Kim  
Soon Chun Hyang University  
**Speaker**  
Plenary Session IV  
Oct. 7 (Fri.), 09:30-09:45  
Room A (102+103)

Kwang Jin Ko  
Sungkyunkwan University  
**Speaker**  
ICUrology Workshop  
Oct. 6 (Thu), 09:40-10:00  
Room C (203)  
UDS Workshop  
Oct. 7 (Fri.), 13:00-13:20  
Room D (209)

Young Hwii Ko  
Yeungnam University  
**Panel**  
Semi Live Surgery II  
Oct. 7 (Fri.), 15:00-16:00  
Room B (201+202)

Ja Hyeon Ku  
Seoul National University  
**Moderator**  
Podium 12  
Oct. 7 (Fri.), 14:00-15:00  
Room B (201+202)  
**Speaker**  
Special Lecture  
(Sae Chul Kim's Awards Lecture)  
Oct. 7 (Fri.), 14:00-15:00  
Room A (102+103)

Cheol Kwak  
Seoul National University  
**Moderator**  
Podium 15  
Oct. 7 (Fri.), 09:00-10:00  
Room B (201+202)

Dong Deuk Kwon  
Chonnam National University  
**Moderator**  
Podium 19  
Oct. 7 (Fri.), 16:00-17:00  
Room A (102+103)
KUA 2022

KUA Speakers

K

Joon Beom Kwon
Daegu Fatima Hospital

Speaker

On-Line Symposium II: Endourology
Oct. 5 (Wed.), 10:15-10:30
Room A (102+103)

Tae Gyun Kwon
Kyungpook National University

Moderator

Podium 7
Oct. 5 (Wed.), 15:00-16:00
Room D (209)

L

Chang Ki Lee
Goldman Urology Clinic

Speaker

Ultrasound Hands-on Course for Urology Residents
Oct. 5 (Wed.), 09:10-09:35
Room D (209)

Panel

Ultrasound Hands-on Course for Urology Residents
Oct. 5 (Wed.), 10:00-12:00
Room D (209)

Chanho Lee
Inje University

Panel

Semi Live Surgery I
Oct. 5 (Wed.), 15:00-16:30
Room B (201+202)

Dong Hyeon Lee
Ewha Womans University

Moderator

Podium 12
Oct. 6 (Thu.), 14:00-15:00
Room B (201+202)

Dong Sup Lee
Catholic University

Speaker

On-Line Symposium III: Andrology
Oct. 5 (Wed.), 12:30-12:45
Room A (102+103)

Moderator

Nurse Forum
Oct. 7 (Fri.), 10:40-12:00
Room C (203)

Gilho Lee
Dankook University

Speaker

Meet the Expert 5
Oct. 7 (Fri.), 08:00-09:00
Room D (209)

Ji Youl Lee
Catholic University

Moderator

Podium 15
Oct. 7 (Fri.), 09:00-10:00
Room B (201+202)
Joo Yong Lee  
Yonsei University  
*Speaker*  
Faculty CME 지도전문의교육  
Oct. 5 (Wed.), 09:30-10:00  
Room B (201+202)  
*Panel*  
Ultrasound Hands-on Course for Urology Residents  
Oct. 5 (Wed.), 10:00-12:00  
Room D (209)  
*Moderator*  
Podium 7  
Oct. 5 (Wed.), 15:00-16:00  
Room D (209)

Jun Ho Lee  
Eulji University  
*Speaker*  
Semi Live Surgery II  
Oct. 7 (Fri.), 16:00-17:00  
Room B (201+202)

Kyu-Sung Lee  
Sungkyunkwan University  
*Speaker*  
Meet the Expert I  
Oct. 6 (Thu.), 08:00-09:00  
Room B (201+202)  
*Panel*  
Semi Live Surgery II  
Oct. 7 (Fri.), 14:00-15:00  
Room B (201+202)

Seo Yeon Lee  
Hanyang University, Myongji Hospital  
*Speaker*  
Women’s Policy Workshop  
Oct. 6 (Thu.), 13:00-14:00  
Room D (209)

Seung Hwan Lee  
Yonsei University  
*Speaker*  
Faculty CME 지도전문의교육  
Oct. 5 (Wed.), 10:40-11:10  
Room B (201+202)  
*Moderator*  
Podium 19  
Oct. 7 (Fri.), 16:00-17:00  
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KUA 2022

KUA Speakers

L

Seung-Ju Lee
Catholic University
Moderator
Podium 6
Oct. 5 (Wed.), 15:00-16:00
Room C (203)

Young Goo Lee
Hallym University
Moderator
Special Lecture
Oct. 07 (Fri.), 14:10-15:00
Room A (102+103)

Young Hoon Lee
Yonsei Cham Urology Clinic
Panel
Ultrasound Hands-on Course for Urology Residents
Oct. 5 (Wed.), 10:00-12:00
Room D (209)

Young-Suk Lee
Sungkyunkwan University
Speaker
UDS Workshop
Oct. 7 (Fri.), 13:40-14:00
Room D (209)

Jae Sung Lim
Chungnam National University
Moderator
Podium 17
Oct. 7 (Fri.), 15:00-16:00
Room A (102+103)

Bumjin Lim
University of Ulsan
Speaker
Satellite luncheon Symposium 5
Oct. 6 (Thu.), 12:00-12:20
Room C (203)

M

Gyeong Eun Min
Kyung Hee University
Speaker
Faculty CME 지도전문의교육
Oct. 5 (Wed.), 09:00-09:30
Room B (201+202)

Kweon Sik Min
Inje University
Moderator
Plenary Session III
Oct. 6 (Thu.), 16:00-16:30
Room A (102+103)

Hong Sang Moon
Hanyang University
Moderator
Podium 6
Oct. 5 (Wed.), 15:00-16:00
Room C (203)

Kihyuck Moon
Perfect Urology Clinic
Speaker
Meet the Expert 3
Oct. 7 (Fri.), 08:00-09:00
Room B (201+202)
M

Kyung Hyun Moon
University of Ulsan

Moderator
Podium 13
Oct. 6 (Thu.), 15:00-16:00
Room B (201+202)

Young Joon Moon
Yonsei University

Speaker
Ultrasound Hands-on Course for Urology Residents
Oct. 5 (Wed.), 09:35-10:00
Room D (209)

Panel
Ultrasound Hands-on Course for Urology Residents
Oct. 5 (Wed.), 10:00-12:00
Room D (209)

N

Jong Kil Nam
Pusan National University

Panel
Semi Live Surgery I
Oct. 5 (Wed.), 16:30-17:30
Room B (201+202)

O

Jinkyu Oh
Gachon University

Speaker
Satellite luncheon Symposium 4
Oct. 6 (Thu.), 12:00-12:20
Room B (201+202)

Jong Jin Oh
Seoul National University

Speaker
On-Line Symposium I: Oncology 1
Oct. 5 (Wed.), 09:00-09:15
Room A (102+103)

Seung-June Oh
Seoul National University

Moderator
Podium 5
Oct. 5 (Wed.), 14:00-15:00
Room D (209)
KUA 2022

KUA Speakers

P

Sunghyun Paick
Konguk University
Panel
Semi Live Surgery I
Oct. 5 (Wed.), 15:00-16:30
Room B (201+202)

Hong Seok Park
Korea University
Moderator
Podium 9
Oct. 5 (Wed.), 16:00-17:00
Room D (209)

Hyun Jun Park
Pusan National University
Moderator
Podium 11
Oct. 6 (Thu.), 10:30-11:30
Room B (201+202)

Hyung Keun Park
University of Ulsan
Moderator
On-Line Symposium II: Endourology
Oct. 5 (Wed.), 10:00-11:00
Room A (102+103)

Jae Young Park
Korea University
Panel
Ultrasound Hands-on Course for Urology Residents
Oct. 5 (Wed.), 10:00-12:00
Room D (209)

Speaker
Semi Live Surgery I
Oct. 5 (Wed.), 15:00-16:30
Room B (201+202)

Moderator
Plenary Session II
Oct. 6 (Thu.), 13:00-15:00
Room A (102+103)

Jinsung Park
Eulji University
Moderator
Video session 2
Oct. 7 (Fri.), 11:00-12:00
Room B (201+202)

Jong-Wook Park
Korea Cancer Center Hospital
Speaker
On-Line Symposium IV: Oncology 2
Room A (102+103)

Kwangsup Park
Chonnam National University
Speaker
Meet the Expert 2
Oct. 6 (Thu.), 08:00-09:00
Room C (203)

Moderator
ICUrology Workshop
Oct. 6 (Thu.), 09:30-11:30
Room C (203)
Kwanjin Park
Seoul National University

Faculty CME 지도전문의교육
Oct. 5 (Wed.), 09:00-13:00
Room B (201+202)

Min-Gu Park
Inje University

Nurse Forum
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Room C (203)

Seung Chol Park
Wonkwang University

Plenary Session III
Oct. 6 (Thu.), 15:30-15:45
Room A (102+103)

Sungchan Park
University of Ulsan

Podium 10
Oct. 6 (Thu.), 09:30-10:30
Room B (201+202)

Sung-Woo Park
Pusan National University

Podium 16
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Satellite luncheon Symposium 2
Oct. 5 (Wed.), 12:00-12:20
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Koonho Rha
Naver Healthcare Lab

Plenary Session II
Oct. 6 (Thu.), 13:30-14:00
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Ji-Kan Ryu
Inha University

Semi Live Surgery II
Oct. 7 (Fri.), 16:00-17:00
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KUA Speakers

Ho Kyung Seo  
National Cancer Center  
*Moderator*

On-Line Symposium I: Oncology 1  
Oct. 5 (Wed.), 09:00-10:00  
Room A (102+103)

Ill Young Seo  
Wonkwang University  
*Moderator*

Semi Live Surgery II  
Oct. 7 (Fri.), 14:00-17:00  
Room B (201+202)

Seong Il Seo  
Sungkyunkwan University  
*Moderator*

Plenary Session I  
Oct. 6 (Thu.), 09:30-12:00  
Room A (102+103)

Plenary Session II  
Oct. 6 (Thu.), 13:00-15:00  
Room A (102+103)

Plenary Session III  
Oct. 6 (Thu.), 15:00-17:30  
Room A (102+103)

Plenary Session IV  
Oct. 7 (Fri.), 09:00-12:00  
Room A (102+103)

Myungsun Shim  
Hallym University  
*Speaker*

Nurse Forum  
Oct. 7 (Fri.), 09:55-10:15  
Room C (203)

Dong Gil Shin  
Pusan National University  
*Speaker*

Basic CME 필수교육  
Oct. 5 (Wed.), 11:00-11:30  
Room C (203)

*Moderator*

Podium 8  
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UDS Workshop  
Oct. 7 (Fri.), 13:00-14:30  
Room D (209)

Hong Seok Shin  
Daegu Catholic University  
*Speaker*

On-Line Symposium III: Andrology  
Oct. 5 (Wed.), 12:00-12:15  
Room A (102+103)

Ju Hyun Shin  
Chungnam National University  
*Moderator*

Nurse Forum  
Oct. 7 (Fri.), 09:15-10:40  
Room C (203)

Yu Seob Shin  
Jeonbuk National University  
*Speaker*

Plenary Session III  
Oct. 6 (Thu.), 16:30-16:45  
Room A (102+103)
Greeting Message

KUA Committee

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Speakers

Scientific Programs

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74th Annual Meeting of the Korean Urological Association

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Hwancheol Son
Seoul National University
Moderator
Ultrasound Hands-on Course for Urology Residents
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Room D (209)
On-Line Symposium III: Andrology
Oct. 5 (Wed.), 12:00-13:00
Room A (102+103)

Cheryn Song
University of Ulsan
Panel
Semi Live Surgery I
Oct. 5 (Wed.), 15:00-16:30
Room B (201+202)
Speaker
Plenary Session IV
Oct. 7 (Fri.), 09:15-09:30
Room A (102+103)

Ki Hak Song
Chungnam National University
Moderator
Podium 3
Oct. 5 (Wed.), 14:00-15:00
Room B (201+202)

Phil Hyun Song
Yeungnam University
Speaker
Basic CME 필수교육
Oct. 5 (Wed.), 11:30-12:00
Room C (203)

Sang Hoon Song
University of Ulsan
Panel
Ultrasound Hands-on Course for Urology Residents
Oct. 5 (Wed.), 10:00-12:00
Room D (209)
Moderator
Young Urologist Symposium 1
Oct. 5 (Wed.), 13:00-14:00
Room B (201+202)

Seung-Hun Song
CHA University
Panel
Semi Live Surgery II
Oct. 7 (Fri.), 16:00-17:00
Room B (201+202)

Won Song
Sungkyunkwan University
Speaker
Plenary Session IV
Oct. 7 (Fri.), 09:00-09:15
Room A (102+103)

Won Hoon Song
Pusan National University
Speaker
Young Urologist Symposium 1
Oct. 5 (Wed.), 13:30-13:45
Room B (201+202)
KUA 2022

KUA Speakers

S

Yun Seob Song
Soon Chun Hyang University
Moderator
Podium 2
Oct. 5 (Wed.), 13:00-14:00
Room D (209)

Hyun Hwan Sung
Sungkyunkwan University
Panel
Semi Live Surgery I
Oct. 5 (Wed.), 16:30-17:30
Room B (201+202)

Y

Eun Sang Yoo
Kyungpook National University
Speaker
Semi Live Surgery II
Oct. 7 (Fri.), 14:00-15:00
Room B (201+202)

Tag Keun Yoo
Eulji University
Moderator
Satellite Luncheon Symposium 4
Oct. 6 (Thu.), 12:00-12:20
Room B (201+202)

Hana Yoon
Ewha Womans University
Panel
Women’s Policy Workshop
Oct. 6 (Thu.), 13:00-14:00
Room D (209)
Semi Live Surgery II
Oct. 7 (Fri.), 14:00-15:00
Room B (201+202)

Hosong Yu
Yonsei Yu Urology Clinic
Panel
Ultrasound Hands-on Course for Urology Residents
Oct. 5 (Wed.), 10:00-12:00
Room D (209)
### On-line symposium 1 - Oncology 1
(Session title: Urothelial Cancer Update)

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<tr>
<td>09:00-09:15</td>
<td>Radical Cystectomy for High-Risk NMIBC: Who and Why?</td>
<td>Jong Jin Oh (Seoul National University)</td>
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| 09:15-09:30| Bladder preservation therapy in MIBC: Current evidence and future perspectives | Hyung Suk Kim (Dongguk University) |}
| 09:30-09:45| Should neoadjuvant chemotherapy be performed in all patients with MIBC in the era of ICI? | Won Sik Jang (Yonsei University) |}
| 09:45-10:00| Discussion                                                            |                                  |

This Symposium will be rebroadcast by online from 13:00 to 14:00 on October, 6 (Thu). At the same time, you can take classes in Room C (203).

### On-line symposium 2 - Endourology
(Session title: Challenges in PCNL)

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<th>Time</th>
<th>Topic</th>
<th>Speaker</th>
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<tr>
<td>10:00-10:15</td>
<td>What's new in the miniaturization of PCNL?</td>
<td>Won Ho Jung (Keimyung University)</td>
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<tr>
<td>10:15-10:30</td>
<td>Challenges of PCNL in obese patients</td>
<td>Joon Beom Kwon (Daegu Fatima Hospital)</td>
</tr>
<tr>
<td>10:30-10:45</td>
<td>When do we need flexible ureteroscopy for removal of big stones?</td>
<td>Sung Yong Cho (Seoul National University)</td>
</tr>
<tr>
<td>10:45-11:00</td>
<td>Discussion</td>
<td></td>
</tr>
</tbody>
</table>

This Symposium will be rebroadcast by online from 14:00 to 15:00 on October, 6 (Thu). At the same time, you can take classes in Room C (203).
Scientific Programs

**On-line symposium 3 - Andrology**
(Session title: Andrology Update)

**Room A (102+103) / 12:00~13:00**

**Moderator:** Hwancheol Son (Seoul National University)

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:00-12:15</td>
<td>Erectile dysfunction: Alternatives other than PDE5-Is</td>
<td>Hong Seok Shin</td>
<td>Daegu Catholic University</td>
</tr>
<tr>
<td>12:15-12:30</td>
<td>Premature ejaculation: Alternatives other than SSRIs</td>
<td>Woo Suk Choi</td>
<td>Konkuk University</td>
</tr>
<tr>
<td>12:30-12:45</td>
<td>Adult male hypogonadism: Alternatives other than testosterone</td>
<td>Dong Sup Lee</td>
<td>Catholic University</td>
</tr>
<tr>
<td>12:45-13:00</td>
<td>Discussion</td>
<td></td>
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</tr>
</tbody>
</table>

This Symposium will be rebroadcast by online from 12:00 to 13:00 on October, 7 (Fri).
At the same time, you can take classes in Room E (205A).

**On-line symposium 4 - Oncology 2**
(Session title: Prostate Cancer Update)

**Room A (102+103) / 13:00~14:00**

**Moderator:** Seong Soo Jeon (Sungkyunkwan University)

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:15-13:30</td>
<td>Are we ready to change management of prostate cancer based on next-generation imaging?</td>
<td>Jong-Wook Park</td>
<td>Korea Cancer Center Hospital</td>
</tr>
<tr>
<td>13:30-13:45</td>
<td>Beyond the Androgen Receptor: The Sequence, the Mutants, in the Treatment of mCRPC</td>
<td>U-Syn Ha</td>
<td>Catholic University</td>
</tr>
<tr>
<td>13:45-14:00</td>
<td>Discussion</td>
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</tr>
</tbody>
</table>

This Symposium will be rebroadcast by online from 13:00 to 14:00 on October, 7 (Fri).
At the same time, you can take classes in Room E (205A).
### Faculty CME 지도전문의교육

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Presenter</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:00-09:30</td>
<td>Revision Status and Direction of the Annual Training Curriculum of Urologic Residents</td>
<td>Gyeong Eun Min</td>
<td>Kyung Hee University</td>
</tr>
<tr>
<td>09:30-10:00</td>
<td>Evaluation of Actual Resident Training: Proposed Evaluation Criteria and Advice to Get High scores</td>
<td>Joo Yong Lee</td>
<td>Yonsei University</td>
</tr>
<tr>
<td>10:00-10:30</td>
<td>How do they do for Resident Training? Case for Large Training Hospital</td>
<td>Youngjae Im</td>
<td>Seoul National University</td>
</tr>
<tr>
<td>10:30-10:40</td>
<td>Break Time</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:40-11:10</td>
<td>Efforts for Successful Launching of OSCE in Korean Urologic Board Examination</td>
<td>Seung Hwan Lee</td>
<td>Yonsei University</td>
</tr>
<tr>
<td>11:10-13:00</td>
<td>Discussion</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 지도전문의교육 지도전문의 정의

지도전문의는 「의료법」 제77조 제1항에 따른 전문의로서 수련병원(기관)장의 지정에 따라 전공의 수련을 지도하는 사람을 말하며, 레지던트 수련병원(기관) 지정에 적용한다.

- 지도전문의는 전공의의 수련환경 개선 및 지위 향상을 위한 법률 시행규칙, 제3조에 따라 대면교육 또는 정보통신망을 활용한 온라인 교육을 받아야 한다. 다만, 수련병원(기관)장에 의하여 새로 지정된 지도전문의는 지도전문의로 지정받은 날부터 1년 이내에 대면교육으로 받아야 한다.

지도전문의교육 제이수 기간 안내

- 2012년 9월말 이전 지도전문의: 최초의 재교육 주기를 2016년 1월 1일부터 2020년 12월 31일까지이며, 이후 재교육 주기는 3년마다 입니다.
- 2012년 9월말 이후 지도전문의: 최초의 재교육 주기를 최초 교육을 받은 기준으로 5년으로 하며, 이후 재교육 주기는 3년마다 입니다.
### Young Urologist Symposium 1

**Room B (201+202) / 13:00~14:00**

**Moderator:** Sang Hoon Song (University of Ulsan)

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:00-13:15</td>
<td>Orthotopic ileal neobladder substitution for beginner</td>
<td>Myung Soo Kim</td>
<td>Ewha Womans University</td>
</tr>
<tr>
<td>13:15-13:30</td>
<td>Clinical research for young urologist</td>
<td>Jae Hoon Chung</td>
<td>Sungkyunkwan University</td>
</tr>
<tr>
<td>13:30-13:45</td>
<td>Multiparametric MRI and MRI/TRUS software fusion biopsy for prostate cancer detection</td>
<td>Won Hoon Song</td>
<td>Pusan National University</td>
</tr>
<tr>
<td>13:45-14:00</td>
<td>What are we missing? Limitation of multiparametric prostate MRI</td>
<td>Jang Hee Han</td>
<td>Seoul National University</td>
</tr>
</tbody>
</table>

### Semi Live Surgery 1

**Room B (201+202) / 15:00~17:30**

**Moderator:** Taek Won Kang (Chonnam National University)  
Jun Hyuk Hong (University of Ulsan)

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker</th>
<th>Institution</th>
</tr>
</thead>
</table>
| 15:00-16:30 | Partial nephrectomy for hilar tumor (Robot-assisted vs HALS) | Woong Kyu Han  
Jae Young Park | Yonsei University  
Korea University |
|            | Panel: Chanho Lee  
Sunghyun Paick  
Cheryn Song | (Inje University)  
(Konkuk University)  
(University of Ulsan) |
| 16:30-17:30 | Nephroureterectomy & bladder cuff resection (Single-port Robotic vs Laparoscopic) | Sung Hoo Hong  
Eu Chang Hwang | Catholic University  
Chonnam National University |
|            | Panel: Won Sik Ham  
Jong Kil Nam  
Hyun Hwan Sung | (Yonsei University)  
(Pusan National University)  
(Sungkyunkwan University) |
2022년 연수교육 지침 변경 주요 사항

회원의 전문성 및 직업윤리의식 함양을 위하여 의료법 시행규칙 제20조에 의거 필수 과목이수가 의무화 되었음.
(2018년 1월 1일부터 시행)

- 2019년 면허 신고대상자부터 적용.
- 일반과목 이수 외 필수과목 이수 2평점이 의무화되었음. (대상 : 전문의)
  (단, 3년마다 2시간 이상 이수, 면허신고자는 적년 3년간의 24평점 중 2평점을 필수교육 평점으로 이수해야 함.)
- 필수과목 교육프로그램 강의실에 별도의 입출결 관리 의무(제무시간 59분 - 평점없음 / 60분 이상 - 1점 인정 / 120분 이상 - 2점 인정)

필수과목 교육 프로그램이란?
의료윤리, 의료법령 주요 위반사례, 의료감염관리, 의약품 부작용사례, 의료분쟁사례 등 직종별 특성을 감안한 자체 교육프로그램

Satellite Luncheon Symposium 1

Room C (203) / 12:00~12:20
Moderator Jang Hwan Kim (Yonsei University)

12:00~12:20 True ultra-minimally invasive treatment alternative for BPH
Aram Kim
Konkuk University
## Scientific Programs

### Day 1  5 Wed., October

### Ultrasound Hands-on Course for Urology Residents

**Room D (209) / 09:00~12:00**

**Moderator:** Hwancheol Son (KSUU President, Seoul National University)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:00-09:10</td>
<td>Opening address</td>
</tr>
<tr>
<td>09:10-09:35</td>
<td>Principles and basics of ultrasound in Urology</td>
</tr>
<tr>
<td>09:35-10:00</td>
<td>Introduction for hands-on course for Urology Residents: Standard images of kidney and prostate in ultrasound</td>
</tr>
<tr>
<td>10:00-12:00</td>
<td>Hands-on course of ultrasound for kidney in supine position</td>
</tr>
</tbody>
</table>

**Team A1, A2, A3**

- **Panel:**
  - Hosong Yu (Yonsei Yu Urology Clinic)
  - Min Soo Choo (Seoul National University)
  - Joo Yong Lee (Yonsei University)

**Team B1, B2, B3**

- **Panel:**
  - Jae Young Park (Korea University)
  - Sang Hoon Song (University of Ulsan)
  - Young Joon Moon (Yonsei University)

**Team C1, C2, C3**

- **Panel:**
  - Young Hoon Lee (Yonsei Cham Urology Clinic)
  - Chang Ki Lee (Goldman Urology Clinic)
  - Jae Yong Jeong (Yonsei University)

### Satellite Luncheon Symposium 2

**Room D (209) / 12:00~12:20**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:00-12:20</td>
<td>Why Abiraterone and Apalutamide in mHSPC?</td>
</tr>
</tbody>
</table>

**Sung-Woo Park**

Pusan National University
Plenary Session 1

Moderator: Seong Il Seo (KUA Director of Academic Committee, Sungkyunkwan University)
Sung Kyu Hong (KUA Director of International Relations Committee, Seoul National University)

09:30-09:45 Daily highlight
Jae Duck Choi
Eulji University
Hyeon Woo Kim
Pusan National University

09:45-10:00 Tibial Nerve Stimulation: The Present and Future
Priya Padmanabhan
Beaumont Hospital, USA

10:00-10:15 Prostate MRI fusion Biopsy technology made it easy
Fernando Kim
Denver Health Medical Center, USA

10:15-10:30 From precision medicine to precision surgery: how to use medical technology to improve oncology outcome
Arnulf Stenzl
University of Tübingen Medical Center, Germany

10:30-10:45 Robotic assisted Laparoscopic repair of Vesico-vaginal fistula
Noor Ashani Md Yusoff
Hospital Kuala Lumpur, Malaysia

10:45-11:00 Does really differences exist in prostate cancer biology between Korean versus Western counterparts
Sung Kyu Hong
Seoul National University

11:00-11:15 Postprostatectomy incontinence - Revisit of cystography
Chun-Te Wu
Chang Gung Memorial Hospital, Taiwan

11:15-11:30 Current topics for urothelial cancer in Japan 2022
Hiroyuki Nishiyama
Tsukuba University, Japan

11:30-11:45 Preferences of patients with LUTS/BPO and treatment selection
Stavros Gravas
University of Cyprus, Greece

11:45-12:00 Immunotherapy for Prostate Cancer - Hope or Hype?
Christian Gratzke
Albert-Ludwigs-University Freiburg, Germany
KUA 2022

Scientific Programs

**DAY 2** 6 Thu., October

**Satellite Luncheon Symposium 3** Room A (102+103) / 12:00~12:20
Moderator: Dae Kyung Kim (Eulji University)

- **12:00-12:20** Male LUTS, The starting point of good practice: combination tamsulosin and mirabegron
  - Aram Kim
  - Konkuk University

**Plenary Session 2** Room A (102+103) / 13:00~15:00
Moderator: Seong Il Seo (KUA Director of Academic Committee, Sungkyunkwan University)
Jae Young Park (KUA Secretary of Academic Committee, Korea University)

- **13:00-13:30** Medical Metaverse
  - Sang Joon Park
  - Medical IP

- **13:30-14:00** Digital Healthcare 2022
  - Koonho Rha
  - Naver Healthcare Lab

- **14:00-14:30** Cryptocurrency based Web 3.0 and Medical AI
  - Jeongwon Ryu
  - Healcerion

- **14:30-15:00** Modernization of Japan and the role of doctors
  - Sangmok Shin
  - Kiriyama
<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker</th>
<th>University</th>
</tr>
</thead>
<tbody>
<tr>
<td>15:00-15:15</td>
<td>How to interpret PHI</td>
<td>Jeong Hyun Kim</td>
<td>Kangwon National University</td>
</tr>
<tr>
<td>15:15-15:30</td>
<td>Perioperative chemotherapy for upper tract urothelial cancer: Show me the evidence!</td>
<td>Byong Chang Jeong</td>
<td>Sungkyunkwan University</td>
</tr>
<tr>
<td>15:30-15:45</td>
<td>Oligometastatic urothelial carcinoma-when to consider curative intent treatment?</td>
<td>Seung Chol Park</td>
<td>Wonkwang University</td>
</tr>
<tr>
<td>15:45-16:00</td>
<td>Oncologic benefit of postchemotherapy RPLND in metastatic testicular cancers</td>
<td>Chang Wook Jeong</td>
<td>Seoul National University</td>
</tr>
<tr>
<td>16:00-16:15</td>
<td>Is penile rehabilitation still worthwhile for treating erectile dysfunction?</td>
<td>Sun Tae Ahn</td>
<td>Korea University</td>
</tr>
<tr>
<td>16:15-16:30</td>
<td>Cons</td>
<td>Sung Chul Kam</td>
<td>Gyeongsang National University</td>
</tr>
<tr>
<td>16:30-16:45</td>
<td>Huge BPH: Robot-assisted simple prostatectomy vs. Transurethral enucleation (HoLEP, BipoLEP, etc)</td>
<td>Jong Bo Choi</td>
<td>Ajou University</td>
</tr>
<tr>
<td>16:45-17:00</td>
<td>Robot-assisted</td>
<td>Yu Seob Shin</td>
<td>Jeonbuk National University</td>
</tr>
<tr>
<td>17:00-17:15</td>
<td>Can the active surveillance protocol from Western country applied to Korean patients?</td>
<td>Byung Hoon Kim</td>
<td>Keimyung University</td>
</tr>
<tr>
<td>17:15-17:30</td>
<td>Cons</td>
<td>Hong Koo Ha</td>
<td>Pusan National University</td>
</tr>
</tbody>
</table>
Scientific Programs

**Meet the Expert 1**

Room B (201+202) / 08:00~09:00

08:00-09:00 My Algorithms for the Management of LUTS

Kyu-Sung Lee
Sungkyunkwan University

*Learning Objectives:* We will discuss the evaluation and treatment options in a stepwise fashion focusing on behavioral modification, medical therapy, and surgical therapy for the patients with LUTS. Disease entity include LUTS/BPH, OAB, neurogenic LUTD, urinary incontinence, IC/BPS, recurrent cystitis, and pelvic organ prolapse.

**Satellite Luncheon Symposium 4**

Room B (201+202) / 12:00~12:20

12:00-12:20 Ideal LUTS&BPH treatment Focusing on Patients Aspects (HANMITAMS)

Jinkyu Oh
Gachon University
Meet the Expert 2

Room C (203) / 08:00~09:00

08:00-09:00  Science of Sexual Arousal in Men and Women
Kwangsung Park
Chonnam National University

Learning Objectives: Sexual arousal responses in men and women are moderated by neurovascular and hormonal systems and result in penile erection in men and vaginal lubrication in women. Understanding the physiology and pathophysiology of sexual arousal in both men and women will be crucial in treating patients with sexual dysfunction.

ICUrology Workshop

Room C (203) / 09:30~11:30

09:30-09:40  Registration and opening address

09:40-10:00  Current update of ICUrology
Kwang Jin Ko
Sungkyunkwan University

10:00-10:30  Issues on duplicate publication
Hye-Min Cho
KCSE Chair of Manuscript Editing Committee; InfoLumi

10:30-11:00  How to use the Publons in our journal, Journal citation
Sun Huh
KCSE·KAMJE President; Hallym University

11:00-11:20  Reviewer of the Year Award 2022 and Most Cited Article Award 2022

11:20-11:30  Photographing and closing remark

Satellite Luncheon Symposium 5

Room C (203) / 12:00~12:20

12:00-12:20  Discover the Unseen : Using NBI in real practices
Bumjin Lim
University of Ulsan
**Young Urologist Symposium 2**

**Room C (203) / 15:00~16:00**

**Moderator:** Yun-Sok Ha (Kyungpook National University)

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker</th>
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</tr>
</thead>
<tbody>
<tr>
<td>15:00-15:15</td>
<td>Mesenchymal and stem-like prostate cancer linked to therapy-induced lineage plasticity and metastasis</td>
<td>Hyunho Han</td>
<td>Yonsei University</td>
</tr>
<tr>
<td>15:15-15:30</td>
<td>Difficulty about starting a basic study on urological tumors as a clinician: especially during the COVID-19 era</td>
<td>Joongwon Choi</td>
<td>Catholic University</td>
</tr>
<tr>
<td>15:30-15:45</td>
<td>Tumor microenvironment of prostate cancer</td>
<td>Seung Hwan Jeong</td>
<td>Seoul National University</td>
</tr>
<tr>
<td>15:45-16:00</td>
<td>March off the map!</td>
<td>Aram Kim</td>
<td>Konkuk University</td>
</tr>
</tbody>
</table>
Satellite Luncheon Symposium 6

**Room D (209) / 12:00~12:20**

Moderator: Sung-Hoo Hong (Catholic University)

**12:00-12:20**

**Moving toward a new era of aRCC with 1L NIVO +IPI: recent updates of clinical data and real-world experiences**

Chang Wook Jeong
Seoul National University

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Women's Policy Workshop

**Room D (209) / 13:00~14:00**

Moderator: Sang Don Lee (Pusan National University)
Kyu Sun Cho (Seoul Top Clinic)

**13:00-13:30**

**Female and Urology: Discussion based on a public survey on current issues of KUA**

Seo Yeon Lee
Hanyang University, Myongji Hospital

**Panel:**
- Kwang Taek Kim (Gachon University)
- Sun-Ouck Kim (Chonnam National University)
- Yongwoo Kim (Suwon Well Urology Clinic)
- Jong Hyun Kim (Miz Medi Hospital)
- Minki Baek (Sungkyunkwan University)
- Hana Yoon (Ewha Womans University)

**13:30-14:00**

**Panel Discussion**
### Plenary Session 4

**Room A (102+103) / 09:00~12:00**

**Moderator**
Seong Il Seo (KUA Director of Academic Committee, Sungkyunkwan University)

<table>
<thead>
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<th>Time</th>
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<tbody>
<tr>
<td>09:00-09:15</td>
<td>Daily highlight</td>
<td>Jae Heon Kim</td>
<td>Soon Chun Hyang University</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Wan Song</td>
<td>Sungkyunkwan University</td>
</tr>
<tr>
<td>09:15-09:30</td>
<td>Survey report on the public perception of urology</td>
<td>Cheryn Song</td>
<td>University of Ulsan</td>
</tr>
<tr>
<td>09:30-09:45</td>
<td>Updates on the treatment of sexually transmitted infection (US and Korea)</td>
<td>Young-Ho Kim</td>
<td>Soon Chun Hyang University</td>
</tr>
<tr>
<td>09:45-10:00</td>
<td>Treatment of urogenital syndrome: Systemic HRT vs local HRT vs novel methods including vaginal rejuvenation</td>
<td>Young Seop Chang</td>
<td>Konyang University</td>
</tr>
<tr>
<td>10:00-10:15</td>
<td>Drugs available for female sexual dysfunction: Recent evidences</td>
<td>Su-Jin Kim</td>
<td>Hallym University</td>
</tr>
<tr>
<td>10:15-10:30</td>
<td>Down or out ?: Management of adolescent undescended testes</td>
<td>Won Yeol Cho</td>
<td>Dong-A University</td>
</tr>
<tr>
<td>10:30-10:45</td>
<td>Renal stones management using laser is best done by dusting and drain or fragmentation and retrieval</td>
<td>Bum Soo Kim</td>
<td>Kyungpook National University</td>
</tr>
<tr>
<td>10:45-11:00</td>
<td>Supine Mini PCNL - Way to go!</td>
<td>Azimdjon N. Tursunkulov</td>
<td>Akfa Medline Hospital, Uzbekistan</td>
</tr>
<tr>
<td>11:00-11:15</td>
<td>Pure ultrasound-guided radiation-free Mini PCNL in flank position</td>
<td>Nhat Minh Nguyen</td>
<td>Hue University of Medicine and Pharmacy, Vietnam</td>
</tr>
<tr>
<td>11:15-11:30</td>
<td>Surgical treatment of locally advanced and oligometastatic prostate cancer</td>
<td>David Nikoleishvili</td>
<td>American Hospital Tbilisi, Georgia</td>
</tr>
<tr>
<td>11:30-11:45</td>
<td>Surgical Advances in ED</td>
<td>Nelson Eddie Bennett</td>
<td>Northwestern University Feinberg School of Medicine, USA</td>
</tr>
<tr>
<td>11:45-12:00</td>
<td>RIRS vs Mini PCNL for Renal Stones: Which Will win the Race</td>
<td>John Douglas Denstedt</td>
<td>Schulich School of Medicine &amp; Dentistry, The University of Western Ontario, Canada</td>
</tr>
</tbody>
</table>
**Satellite Luncheon Symposium 7**

Room A (102+103) / 12:00~12:20

Moderator: Jong Bo Choi (Ajou University)

**Why start Duodart for mLUTS/BPH patients at increased risk of disease progression?**

Jun Hyun Han  
Hallym University

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**Special Lecture**

Kim, Sae Chul’s Awards

Room A (102+103) / 14:00-14:10

Moderator: Seong Il Seo (KUA Director of Academic Committee, Sungkyunkwan University)

**Special Lecture of ‘Kim, Sae Chul’s Awards’ Winner**

Ja Hyeon Ku  
Seoul National University

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**Special Lecture**

National Insurance Strategy

Room A (102+103) / 14:10-15:00

Moderator: Yong Goo Lee (Vice President, Hallym University)

**Special Lecture: National Health Insurance Policy Direction**

Joo Hun You  
Division of Health Insurance Policy, Ministry of Health and Welfare
Meet the Expert 3  
Room B (201+202) / 08:00~09:00

08:00-09:00  The role of urologist in every assigned position and situation

Kihyuck Moon  
Perfect Urology Clinic

Learning Objectives: The situations of each urologist are different especially outside of general or university hospitals. The abilities of the urologist are influenced by the facilities, equipment, colleagues and the human resources. How to make the best product and achievement in the limited situation?

Satellite Luncheon Symposium 8  
Room B (201+202) / 12:00~12:20

12:00-12:20  Do all alpha blockers have the Same Effects?

Hong Chung  
Konkuk University

Semi Live Surgery 2  
Room B (201+202) / 14:00~17:00

14:00-15:00  Laparoscopic sacrocolpopexy

Eun Sang Yoo  (Kyungpook National University)
Panel: Kyu-Sung Lee  (Sungkyunkwan University)
Hana Yoon  (Ewha Womans University)
Jae Hyun Bae  (Korea University)

15:00-16:00  Single port robot-assisted prostatectomy

Kwang Hyun Kim  (Ewha Womans University)
Panel: Sun Il Kim  (Ajou University)
Sang Hyeon Cheon  (University of Ulsan)
Young Hwii Ko  (Yeungnam University)
Jun Ho Lee  (Eulji University)
Panel: Ji-Kan Ryu  (Inha University)
Seung-Hun Song  (CHA University)
Min Chul Cho  (Seoul National University)

16:00-17:00  Microscopic varicocelectomy
Meet the Expert 4

Room C (203) / 08:00~09:00

08:00-09:00  A journey of a life as a urologist and life-time learner

Seok-Soo Byun
Seoul National University

**Learning Objectives:** I want to share my experiences of a urologist at a university hospital who wanted to be a good surgeon-scientist. It will be a good opportunity for me to give advice and courage to junior faculties who seek a better life as a surgeon-scientist. The main contents cover my careers as a uro-oncologic surgeon, translational researcher and founder of a start-up company.

Satellite Luncheon Symposium 9

Room C (203) / 12:00~12:20

12:00-12:20  The Purpose and Power of Robotics, Data and Digital

Chris Fitzpatrick
Director of Digital Product Portfolio / Intuitive Surgical
# Scientific Programs

## DAY 3  7 Fri., October

**Room C,D**

★ Room C (203)에서 실제 강의 진행되며, 좌석이 부족할 경우를 대비해 Room D (209)에서 실시간 송출 진행됩니다.

### Nurse Forum  Room C,D (203,209)  /  09:00~12:00

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker</th>
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</thead>
</table>
| 09:00-09:15 | Opening address                                         | Sun-Ouck Kim  
Director of Women’s Policy Committee, Chonnam National University                      |
| 09:15-09:35 | Congratulatory address                                  | Sang Don Lee  
KUA President, Pusan National University                                                 |
| 09:15-09:35 | Common Urology Procedures                              | Ju Hyun Shin  
(Chungnam National University)                                                          |
|        |                                                         | Won Tae Kim  
(Chungbuk National University)                                                          |
| 09:15-09:35 | Management of Foley catheter, Cystostomy, CIC           | Kwang Taek Kim  
Gachon University                                                                        |
| 09:35-09:55 | Indications for Cystoscopy and Findings                | Se Young Choi  
Chung-Ang University                                                                     |
| 09:55-10:15 | Urologic Endoscopy Room Manual                         | Myungsun Shim  
Hallym University                                                                        |
| 10:15-10:25 | Q&A                                                     |                                           |
| 10:25-10:40 | Break Time                                              |                                           |
| 10:40-11:00 | Education for Men’s Health                              | Sun Tae Ahn  
Korea University                                                                        |
| 11:00-11:20 | Management of Late Onset Hypogonadism                   | Hyun Cheol Jeong  
Hallym University                                                                       |
| 11:20-11:40 | Management of Male Infertility                          | Dong Soo Kim  
Kyung Hee University                                                                     |
| 11:40-12:00 | Q&A                                                     |                                           |
Meet the Expert 5

Room D (209) / 08:00~09:00

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:00</td>
<td>Genetics and genitourinary infections</td>
<td>Gilho Lee, Dankook University</td>
</tr>
</tbody>
</table>

Learning Objectives: In today's world, a vast range of information can be found online. Although raw information itself cannot be considered knowledge, it becomes invaluable to our understanding of the world as such information is compiled and annotated. In my presentation, I will review the current tools and technologies used to better understand the biology of urology.

UDS Workshop

Room D (209) / 13:00~16:00

Session I

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:00</td>
<td>Anatomy and physiology of the lower urinary tract</td>
<td>Kwang Jin Ko, Sungkyunkwan University</td>
</tr>
<tr>
<td>13:20</td>
<td>ICS standardisation and terminology</td>
<td>Min Soo Choo, Seoul National University</td>
</tr>
<tr>
<td>13:40</td>
<td>Basic principles of urodynamics</td>
<td>Young-Suk Lee, Sungkyunkwan University</td>
</tr>
<tr>
<td>14:00</td>
<td>Q&amp;A</td>
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<tr>
<td>14:10</td>
<td>Coffee Break</td>
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</tbody>
</table>

Session II

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>14:30</td>
<td>Overviews of urodynamics (UFM &amp; RU, CMG, PFS, V-UDS, UPP, EMG, LPP)</td>
<td>Hyeon Woo Kim, Pusan National University</td>
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<tr>
<td>14:55</td>
<td>Q&amp;A</td>
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<tr>
<td>15:00</td>
<td>Urodynamics for specific patient populations: spinal cord injury, geriatrics, pediatrics</td>
<td>Myung Joo Kim, Severance Hospital Urodynamic Nurse</td>
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<tr>
<td>15:25</td>
<td>Q&amp;A</td>
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<tr>
<td>15:30</td>
<td>Real practice of urodynamics and proper interpretation of artifacts</td>
<td>Jieun Jung, Samsung Medical Center Urodynamic Nurse</td>
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<tr>
<td>15:55</td>
<td>Q&amp;A</td>
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</tbody>
</table>
## KUA-AUA Resident Review Course

**Room 300, 3F, COEX Conference Room (South) / 09:30~17:00**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker</th>
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</thead>
<tbody>
<tr>
<td>09:00-09:30</td>
<td>Registration</td>
<td></td>
</tr>
<tr>
<td>09:30-09:35</td>
<td>Welcome Remarks</td>
<td>Sang Don Lee, MD, PhD (KUA President)</td>
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<tr>
<td></td>
<td></td>
<td>John Douglas Denstedt, MD (AUA Secretary)</td>
</tr>
<tr>
<td>09:35-10:45</td>
<td>Female Pelvic Medicine</td>
<td>Priya Padmanabhan, MD, Beaumont Hospital</td>
</tr>
<tr>
<td></td>
<td>- Overactive Bladder/Urgency Incontinence</td>
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<td></td>
<td>- Stress Urinary Incontinence</td>
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<td></td>
<td>- Pelvic Organ Prolapse</td>
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<td></td>
<td>- Vaginal Masses/Urethral Diverticulum</td>
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<tr>
<td></td>
<td>- Urinary Fistula</td>
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<tr>
<td>10:45-11:45</td>
<td>Urolithiasis</td>
<td>John Douglas Denstedt, MD, Schulich School of Medicine &amp; Dentistry, The University of Western Ontario</td>
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<tr>
<td></td>
<td>- Epidemiology, Pathophysiology</td>
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<td></td>
<td>- Evaluation and Medical Management</td>
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<tr>
<td>11:45-12:45</td>
<td>Prostate Cancer</td>
<td>Fernando Kim, MD, Denver Health Medical Center</td>
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<td></td>
<td>- Diagnosis and Screen, Staging, Imaging (including PSA Screening Controversies)</td>
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<td></td>
<td>- Treatment of Localized Cancer (U.S. Stages A and B), Watchful Waiting</td>
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<td></td>
<td>- Radiation, Interstitial Irradiation, Surgery, Cryosurgery and Hormonal Therapy</td>
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<tr>
<td></td>
<td>- Treatment of Advanced Cancer (U.S. Stages C and D) and Treatment of Radiation Failure</td>
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<tr>
<td></td>
<td>- DVT Prophylaxis</td>
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<tr>
<td>12:45-13:45</td>
<td>Lunch Break</td>
<td></td>
</tr>
<tr>
<td>13:45-14:45</td>
<td>Neurourology</td>
<td>Priya Padmanabhan, MD, Beaumont Hospital</td>
</tr>
<tr>
<td>14:45-16:00</td>
<td>Infertility/Andrology</td>
<td>Nelson Eddie Bennett, MD, Northwestern University Feinberg School of Medicine</td>
</tr>
<tr>
<td></td>
<td>- Physiology and Pathophysiology of Male Reproduction</td>
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<td></td>
<td>- Evaluation of the Infertile Male</td>
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<td></td>
<td>- Treatment of the Infertile Male (Surgical and Non-surgical)</td>
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<tr>
<td></td>
<td>- Hypogonadism</td>
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<tr>
<td></td>
<td>- Testosterone Replacement</td>
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<tr>
<td>16:00-16:15</td>
<td>Afternoon Break</td>
<td></td>
</tr>
<tr>
<td>16:15-17:00</td>
<td>Urolithiasis</td>
<td>John Douglas Denstedt, MD, Schulich School of Medicine &amp; Dentistry, The University of Western Ontario</td>
</tr>
<tr>
<td></td>
<td>- Surgical Management of Stone Disease</td>
<td></td>
</tr>
<tr>
<td>17:00</td>
<td>Closing Remarks</td>
<td>Kwanjin Park, MD, PhD, Seoul National University</td>
</tr>
</tbody>
</table>
Notice

Korean Urological Association for amyotrophic lateral sclerosis

Uro Fun Run

Date 18:00 (Thu), 6 October, 2022
Departure place COEX conference hall (1st floor in front of lobby (Outdoor))

- Participants : 50 people (first-come-first-served basis)
- Participation fee : KRW 10,000
  * On-site registration is possible at the Registration Desk.
  * 90,000 won will be donated under the name of the participant in addition to 100,000 won from the Korea Urology Association Foundation.
- How to apply : Click the “Apply” button below
- Material : Running shoes and comfortable pants
- Souvenir : Dry fit T-shirt, Sports socks (brand: Socksup)

with Sean & Jihye Park
Lunch List

- 식권은 명찰에 날짜별로 들어 있습니다. 해당 날짜 식권을 준비하여 주시기 바랍니다.
  Lunch tickets are listed by date in the name tag holder. Please prepare a ticket for the date.

- Satellite Luncheon Symposium 강의가 진행되는 강의실에서만 도시락이 제공될 예정입니다.
  Lunch boxes will be provided only in the lecture room where the Satellite Luncheon Symposium is being held.

- 강의장에서 도시락을 드시지 못하는 경우, 학술대회 강의장 근처 식당에서 식권 제시 후 식사가 가능합니다.
  If you cannot have a lunch box in the lecture room, you can eat at a restaurant near the conference hall after presenting your lunch ticket.

  - 식권 1장당 금액은 20,000원입니다. (※ 20,000원보다 초과하여 드시는 경우 추가 결제를 개인이 부담)
    Each ticket is worth 20,000KRW (* If you spend more than 20,000 won, you will have to pay an additional payment)

  - 식권 사용이 가능한 식당은 아래를 참고해 주세요.
    Please check the list of restaurant that accept the lunch tickets.

<table>
<thead>
<tr>
<th>데블스도어 (Devil's Door)</th>
<th>예가낙지마을 (Yega Octopus Maeul)</th>
<th>홍대돈부리 (Hongdae Donburi)</th>
</tr>
</thead>
<tbody>
<tr>
<td>피자, 파스타 외</td>
<td>낙지볶음덮밥 외</td>
<td>가츠동 외</td>
</tr>
<tr>
<td>코엑스 1층 북문 출입구</td>
<td>코엑스몰 지하 1층</td>
<td>코엑스몰 지하 1층</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>쇼군 (Syogun)</th>
<th>명동칼국수 (Myeongdong Noodle Soup)</th>
<th>초계국수 (Cold Chicken Noodle Soup)</th>
</tr>
</thead>
<tbody>
<tr>
<td>라면, 통밥 외</td>
<td>찻국수 외</td>
<td>초계국수 외</td>
</tr>
<tr>
<td>코엑스몰 지하 1층</td>
<td>코엑스몰 지하 1층</td>
<td>코엑스몰 지하 1층</td>
</tr>
<tr>
<td>1층 북문 출입구</td>
<td>1층 basement floor of COEX Mall</td>
<td>1층 basement floor of COEX Mall</td>
</tr>
</tbody>
</table>

| 배꼽집 (Baekkop Restaurant) | | |
|-----------------------------| | |
| 갈비탕, 평양냉면 외         | Location QR code | |
| 코엑스몰 지하 1층             | QR 코드를 스캔하면 식당의 위치를 확인하실 수 있습니다. |
| 1층 basement floor of COEX Mall | You can check the location of the restaurant by scanning the QR code. |
ABSTRACTS

KUA 2022
ABSTRACTS

5 Wed., October

Room C (203) 13:00~14:00

Podium Session 1: LUTS/BPH (1)

Moderator: Dae Kyung Kim (Eulji University), Jang Hwan Kim (Yonsei University)

O-001 Early experience of aquablation therapy in patients with benign prostatic hyperplasia in Korea
Jeongho Cho1, Seungki Min2
1Department of Urology, Goldman Urology Clinic Gangnam, 2Department of Urology, Goldman Urology Clinic Jamsil

O-002 Numerical analysis of urethral pressure in benign prostatic hyperplasia based on computational fluid dynamics
Jin Wook Kim1,2,4, JaIyoung Ryu1, Kyong Sik Jang1, In Ho Chang1, Sae Young Choi1, Jae Heon Shim1, Jung Hoon Kim1,2, Yong Seong Lee1,2, Tae Hyoun Kim1, Soon Cheol Myung1
1Department of Urology, Chung-Ang University, 2Department of Urology, Chung-Ang University Gwangmyeong Hospital, 3Department of Mechanical Engineering, Chung-Ang University, 4Department of Medical Informatics, Chung-Ang University

O-003 Clinical results of 3,014 cases of holmium laser prostate surgery in a single institution
Hyo Myoung Lee1, Min Chul Cho2, Sung Yong Cho2, Jae-Seung Paick2, Seung-June Oh1
1Department of Urology, Seoul National University Hospital, 2Department of Urology, Seoul National University College of Medicine

O-004 Do subtype-specific alpha-antagonists for benign prostatic hyperplasia still increase the risk of falls?: A nationwide Korean population-based cohort study
Chang Eil Yoon2, Seung Ah Rhew1, Hyok Jae Kwon2, Jae-Hyun Seo1, Jae Sang Han1, Jun-Pyo Myong4, U-Syn Ha1,2
1Department of Otolaryngology-Head and Neck Surgery, College of Medicine, The Catholic University of Korea, Seoul, Republic of Korea, 2Department of Urology, College of Medicine, The Catholic University of Korea, Seoul, Republic of Korea, 3Department of Cancer Research Center, College of Medicine, The Catholic University of Korea, Seoul, Republic of Korea, 4Department of Department of Occupational and Environmental Medicine, College of Medicine, The Catholic University of Korea, Seoul, Republic of Korea

O-005 Effects of periurethral prostatic calculi on luts and outcomes of laser BPH surgery in BPH patients
Yongsoo Jo1,2, Min Soo Choo1, Jeonghoon Lee1, Sangjun Yoo1, Minchul Cho1, Hyeon Jeong1, Hwancheol Son1
1Department of Urology, SMG-SNU Boramae Medical Center, 2Department of Urology, Seoul National University Hospital

O-006 Efficacy and safety of low energy holmium laser enucleation of the prostate: A prospective short- and medium-term single-blind randomized trial
Seung-June Oh1, Jungyo Suh2, Min Soo Choo3
1Department of Urology, Seoul National University Hospital, Seoul National University College of Medicine, 2Department of Urology, Asan Medical Center, University of Ulsan College of Medicine, 3Department of Urology, SMG-SNU Boramae Medical Center, Seoul National University College of Medicine

O-007 Comparison study of learning curve between holmium laser enucleation of the prostate and transurethral resection of the prostate: Considering the learning curve according to the prostate volume, which surgical method would be better for beginner urologists?
Ki Hong Kim1,2, Dae Young Lee1, Doo Sang Kim1, Chang Ho Lee1, Youn Soo Jeon2, Si Hyun Kim2, Dae Keun Kim3, Hee Jo Yang4
1Department of Urology, Department of Urology, Soonchunhyang University Cheonan Hospital, 2Department of Urology, Department of Urology, Seoul National University Hospital, 3Department of Urology, Cha Fertility Center Seoul Station, Cha University School of Medicine
O-008 The “HEMI-HOLEP” technique during holmium laser enucleation of the prostate: Efficacy and feasibility
Byung Hoon Chi, Soon Chul Myung, Tae Hyo Young Kim, In Ho Chang, Se Young Choi, Jong Hyun Tae
Department of Urology, Chungang University Hospital

O-009 Predictive factors of continuing medications for overactive bladder (OAB) symptoms 3 months after holmium laser enucleation of prostate (HOLEP)
Sung Jin Kim, Young Goo Lee, Ohseong Kwon, Sahyun Pak, Sung Gon Park, Sung Tae Cho
Department of Urology, Hallym University Kangnam Sacred Heart Hospital

O-010 Testicular volume: A predictor of maximum urinary flow rate in patients with lower urinary tract symptoms
Tae Beom Kim, Sang Jin Yoon, Han Jung, Kyung Jin Chung, Jin Kyu Oh, Kwang Taek Kim, Chang Hee Kim, Jeong Hun Kim
Department of Urology, Gachon University College of Medicine, Republic of Korea

O-011 Efficacy and safety of ‘Inverted omega symbol En-Bloc’ holmium laser prostate enucleation (HOLEP) for benign prostatic hyperplasia: A size-independent technique for surgical treatment of LUTS
Dae Hyun Kim, Chang Seok Kang, Jae Hwi Choi, Seong Uk Jeh, See Min Choi, Chun Woo Lee, Sung Chul Kam, Jeong Seok Hwa, Jae Seog Hyun
1 Department of Urology, Gyeongsang National University and Hospital, Gyeongsang National University School of Medicine, Jinju, Republic of Korea, 2 Department of Urology, Gyeongsang National University Changwon Hospital, Changwon, Republic of Korea

5 Wed., October Room D (209) 13:00~14:00
Podium Session 2: Basic Research-Cancer (1)
Moderator: Yun Seob Song (Soon Chun Hyang University), Won Tae Kim (Chungbuk National University)

O-012 Development of a drug screening model for renal cell carcinoma through bio 3D printer-based cancer-on-a-chip
Joongwon Choi1, Jung Jun Kim1, Dong Hwan Lee1, Hong Jin Suh1, Tae-Kon Hwang1, Seung-Yeop Lee2, Minnae Kim3, In Ho Chang4
1 Department of Urology, The Catholic University of Korea, Incheon St. Mary’s Hospital, Incheon, Korea, 2 Department of Urology, College of Medicine, Chung-Ang University, Seoul, Korea

O-013 Cabozantinib-loaded biodegradable poly(lactic-co-glycolic acid) nanoparticles: A novel adjuvant therapeutic strategy to inhibit post-nephrectomy metastatic relapse in high-risk localized and locally advanced renal cell carcinoma
Hye Won Lee1, Hye Seung Seo2,3, Seon-Ho Yong1, Se-Na Kim4, Cho Rim Kim5, Dae-Hwan Park6, Young Bin Choy7,8,9, Choon Gwon Park10,11,12, Seong Il Seo12
1 Department of Urology, Center for Urologic Cancer, National Cancer Center, Republic of Korea, 2 Department of Biomedical Engineering, Skku Institute for Convergence, Sungkyunkwan University (skku), Republic of Korea, 3 Department of Intelligent Precision Healthcare Convergence, Sungkyunkwan University (skku), Republic of Korea, 4 Department of Urology, Samsung Medical Center, Sungkyunkwan University School of Medicine, Republic of Korea, 5 Department of Institute of Medical & Biological Engineering, Medical Research Center, Seoul National University, Republic of Korea, 6 Department of Interdisciplinary Program In Bioengineering, College of Engineering, Seoul National University, Republic of Korea, 7 Department of Biomedical Engineering, College of Medicine, Seoul National University, Republic of Korea, 8 Department of Biomedical Institute for Convergence At Skku (ibs), Sungkyunkwan University, Republic of Korea, 9 Department of Center for Neuroscience Imaging Research, Institute for Basic Science (ibs), Republic of Korea
O-014 Tumor assembloid derived from patients with renal cell carcinoma for predicting the therapeutic response to immune checkpoint inhibitors

Eun Jee Kim1, Minkyung Kang2, Kunyoo Shin1
1Department of Biological Sciences, Seoul National University, 2Department of Urology, Sungkyunkwan University School of Medicine

O-015 The role of cytoreductive nephrectomy with immune checkpoint inhibitor therapies in metastatic renal cell carcinoma

Jee Soo Park1,2, Myung Eun Lee1, Jongchan Kim1,3, Won Sik Jang1, Young-Ran Gu1, Se Mi Park1, Kwang Suk Lee1, Sung Ku Kang1, Woong Kyu Han1, Young Deuk Choi1, Won Sik Ham1
1Department of Urology and Urological Science Institute, Yonsei University College of Medicine, 2Department of Urology, Sorokdo National Hospital, 3Department of Urology, Yongin Severance Hospital, Yongin University Health System, 4Department of Urology, Gangnam Severance Hospital, Yonsei University College of Medicine, 5Department of Urology, National Health Insurance Hospital

O-016 Efficacy of recombinant Bacillus Calmette-Guérin containing dltA in in-vivo three-dimensional bio-printed bladder cancer-on-a-chip and ex-vivo orthotopic mouse model

Joongwon Choi1, Jung Hoon Kim1, Jeung Maeng2, Su Jeong Kang2, Mininae Kim1, Young Wook Choi1, Se Young Choi2, Sung-Hwan Kim4, Tae Young Jung1, In Ho Chang2
1Department of Urology, The Catholic University of Korea, Incheon St. Mary’s Hospital, Incheon, Korea, 2Department of Urology, Chung-Ang University, College of Medicine, Seoul, Republic of Korea, 3Department of Urology, Vhs Medical Center, Seoul, Republic of Korea, 4Department of Bioengineering, Cellsmith Inc., Seoul, Republic of Korea

O-017 Sting agonist encapsulating urease-powered nanomotor for immunotherapy of bladder cancer

Seung Hwan Jeong1, Hyeong Dong Yuk, Chang Wook Jeong, Ja Hyeon Ku, Hyeong Hoe Kim, Cheol Kwak
Department of Urology, Seoul National University Hospital

O-018 Therapeutic target for HIF-2α antagonist-resistant clear cell renal cell carcinoma

Da Hyeon Son1,2, Eun Song Kim1,2, Hyeon Hoe Kim1,2, Seong Hwi Hong1, Sung Yul Park1, Hong Song Moon1,2, Young Eun Yoon1
1Department of Urology, Hanyang University College of Medicine, 2Department of Translational Medicine, Hanyang University Graduate School of Biomedical Science & Engineering

O-019 Addition of oncolytic virus is as effective as addition of cytoreductive nephrectomy to the first-line treatment of anti-PD-1/anti-CTLA-4 antibodies in the murine metastatic renal cell carcinoma model

Jee Soo Park1,2, Myung Eun Lee1, Jongchan Kim1,3, Won Sik Jang1, Young-Ran Gu1, Se Mi Park1, Kwang Suk Lee1, Sung Ku Kang1, Woong Kyu Han1, Young Deuk Choi1, Won Sik Ham1
1Department of Urology and Urological Science Institute, Yonsei University College of Medicine, 2Department of Urology, Sorokdo National Hospital, 3Department of Urology, Yongin Severance Hospital, Yongin University Health System, 4Department of Urology, Gangnam Severance Hospital, Yonsei University College of Medicine, 5Department of Urology, National Health Insurance Hospital

O-020 Comparison of three-dimensional prostate cancer cell culture using hydrogel, gene expression and resistance to anticancer drug

Won Hoon Song1, Youn Ha Lee1, So Min Ahn2, Yoon Hye Yeon Kim1, Seung Soo Lee1, Jong Kil Nam1, Sung Woo Park2, Sik Yoon2
1Department of Urology, Pusan National University Yangsan Hospital, 2Department of Anatomy, School of Medicine, Pusan National University

O-021 Immune checkpoint molecules-targeting recombinant dendritic cells for therapeutic effect on prostate cancer

Se Young Choi1, Yunlim Kim2, In Ho Chang1, Choung Soo Kim3
1Department of Urology, Chung-Ang University Hospital, Chung-Ang University College of Medicine, 2Department of Urology, Asan Medical Center, University of Ulsan College of Medicine, 3Department of Urology, Ewha Womans University Medical Center, Ewha Womans University School of Medicine
O-022 Irreversible electroporation with high-frequency pulsed electric field in a beagle prostate model 62
Seung Jeong1, Song Hee Kim2, Hongbae Kim3, Jeon Min Kang2, Yubeen Park2, Dong-Sung Won2, Ji Won Kim4, Dae Sung Ryu1, Chu Hui Zeng5, Jong Hoon Chung2,4, Jung Hoon Park2, Bumjin Lim1
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5 Wed., October
Room B (201+202) 14:00~15:00
Podium Session 3: Cancer-Prostate (1)
Moderator: Ki Hak Song (Chungnam National University), Jae Il Chung (Inje University)

O-023 Is it safe to perform MRI-guided active surveillance? Assumption based on real world data
Jang Hee Han1, Seung-Hwan Jeong1, Si Hyun Kim1, Taek Min Kim2, Sang Youn Kim2, Jeong Yeon Cho3, Kyung Chul Moon4, Hyeong Dong Yuk5, Ja Hyeon Ku6, Hyeon Hoe Kim1, Chang Wook Jeong6, Cheol Kwak1
1Department of Urology, Seoul National University Hospital, Seoul, Republic of Korea, 2Department of Radiology, Seoul National University Hospital, Seoul, Republic of Korea, 3Department of Pathology, Seoul National University Hospital, Seoul, Republic of Korea

O-024 Optimization of number of target biopsy cores per lesion for magnetic resonance imaging/ultrasound fusion targeted transrectal prostate biopsy
Gyeonghun Kim, Hyeongdong Yuk, Changwook Jeong, Cheol Kwak, Hyeonhoe Kim
Department of Urology, Seoul National University Hospital

O-025 Value of MRI in PSA gray zone: Should we perform prostate biopsy when MRI detects no lesions?
Seung-Hwan Jeong, Hyeong Dong Yuk, Chang Wook Jeong, Ja Hyeon Ku, Hyeon Hoe Kim, Cheol Kwak
Department of Urology, Seoul National University Hospital

O-026 Inter-intrareader assessments with PI-RADS version 2.1 from MRI/TRUS software fusion prostate biopsy
Won Hoon Song, Youn Ha Lee, Jae Yeon Kim, Dan Bi Lee, Seung Soo Lee, Jong Kil Nam, Sung Woo Park
Department of Urology, Pusan National University Yangsan Hospital

O-027 How far can we believe multiparametric MRI in the diagnosis of prostate cancer; Comparison with pathologic map in 333 cases
Jang Hee Han1, Seung-Hwan Jeong1, Si Hyun Kim1, Taek Min Kim2, Sang Youn Kim2, Jeong Yeon Cho3, Kyung Chul Moon4, Hyeong Dong Yuk5, Ja Hyeon Ku5, Hyeon Hoe Kim5, Cheol Kwak5, Chang Wook Jeong2
1Department of Urology, Seoul National University Hospital, Seoul, Republic of Korea, 2Department of Radiology, Seoul National University Hospital, Seoul, Republic of Korea, 3Department of Pathology, Seoul National University Hospital, Seoul, Republic of Korea

O-028 Persistent pirads 4/5 and upgrade predicts missed prostate cancer at repeat MRI-guided biopsy
Sang Hun Song1,2, Jin Noh1, Byeongdo Song1, Gyoochwan Jung1, Jung Kwon Kim1, Hakmin Lee1, Jong Jin Oh1, Sangchul Lee1, Seok-Soo Byun2, Sung Kyu Hong1, 2
1Department of Urology, Seoul National University Bundang Hospital, Seongnam, Korea, 2Department of Urology, Seoul National University College of Medicine, Seoul, Korea
ABSTRACTS

O-029 Is 12 systemic cores in transperineal biopsy sufficient for detecting clinically significant prostate cancer?
Hyeok Jae Kwon, Seung Ah Rhew, Chang Eil Yoon, Dongho Shin, Seokhwan Bang, Hyung Woo Moon, Yong Hyun Park, Hyuk Jin Cho, U-Syn Ha, Sung-Hoo Hong, Sae Woong Kim, Ji Youl Lee
Department of Urology, Seoul St. Mary’s Hospital, College of Medicine, The Catholic University of Korea, Seoul, Korea

O-030 Combined MRI and PSA strategy improves biopsy decisions compared with PSA only: Longitudinal observations of a cohort of patients with a PSA level less than 20 ng/mL
Seung Ah Rhew1, Chang Eil Yoon1, Hyeok Jae Kwon2, Moon Hyung Choi1, Yong-Hyun Park2, Sung-Hoo Hong2, Ji Youl Lee1, Young Joon Lee1, U-Syn Ha2
1Department of Radiology, College of Medicine, The Catholic University of Korea, Seoul, Republic of Korea, 2Department of Urology, College of Medicine, The Catholic University of Korea, Seoul, Republic of Korea

O-031 The effect of cancer detection rate by MRI/US fusion biopsy technique in real practice
Jae Yon Kim, Yoon Ha Lee, Dan Bee Lee, Won Hoon Song, Seung Soo Lee, Jong Kil Nam, Sung-Woo Park
Department of Urology, Pusan National University Yangsan Hospital

O-032 Importance of the ultrasound characteristics of regions of interest by MRI and the additional target biopsy around their peri-hypoechoic lesions in MR/TRUS software fusion biopsy to improve detection rate of prostate cancer
Won Hoon Song, Yoon Ha Lee, Jae Yeon Kim, Dan Bi Lee, Seung Soo Lee, Jong Kil Nam, Sung-Woo Park
Department of Urology, Department of Urology, Pusan National University Yangsan Hospital

O-033 Strategies to reduce unnecessary prostate biopsy with blood test and transrectal ultrasonography in patients with gray zone prostate specific antigen: A multicenter study
Si Hyun Kim1,4, Jang Hee Han1,4, Seung-Hwan Jeong1,4, Jae Suk Park1,4, Hyeong Dong Yuk1,4, Ja Hyeon Ku1,4, Cheol Kwak1,4, Hyeon Hoe Kim1,4, Hwanik Kim2, Gyoo-hwan Jung2, Sangchul Lee3, Seok-Soo Byun2, Sung Kyu Hong2,4, Jae Yoon Kim4, Chang Wook Jeong1,4
1Department of Urology, Seoul National University Hospital, 2Department of Urology, Hallym University Sacred Heart Hospital, Hallym University College of Medicine, *Department of Urology, Seoul National University Bundang Hospital, 4Department of Urology, Seoul National University College of Medicine, 1Department of Urology, Sanggye Paik Hospital, Inje University College of Medicine

Podium Session 4: Pediatrics
Moderator: Chang Hee Han (Catholic University), Jung Yoon Kang (EulJI University)

O-034 Prevalence and risk factors of post-pubertal hypertension following pyeloplasty at infancy
Min Hyuk Kim, Young Jae Im, Kwanjin Park
Department of Urology, Seoul National University, College of Medicine, Republic of Korea

O-035 Effect of preoperative androgen stimulation on penile size and postoperative complication rate in patients with hypospadias: A systematic review and meta-analysis
Minh-Tung Do1, Louis Kim1, Young Jae Im1,2, Kwanjin Park1,2
1Department of Urology, Seoul National University College of Medicine, 2Department of Pediatric Urology, Seoul National University Children’s Hospital
O-036 Analysis of changes in incidence and severity of hypospadias and comorbidity status of hypospadias patients in Korea - Using the Korean National Health Insurance (NHI) data
Sung Ku Kang1, Sungun Bang1,2, Suk Young Lee1, Young Sig Kim1, Yong Seung Lee2, Sang Won Han2, Sang Woon Kim*
1Department of Urology, National Health Insurance Service Ilsan Hospital, Goyang, Korea, 2Department of Urology, Severance Hospital, Urological Science Institute, Yonsei University College of Medicine, Seoul, Korea

O-037 External validation of a deep-learning model for segmentation of kidney outline and hydronephrotic area outline in kidney ultrasonography
Sang Hoon Song1, Chan Hoon Kwak1, Kyung-hyun Nam1, Kun Suk Kim1, Sang Don Lee2, Jae Min Chung3, Young In Kim4, Hyojeong Youn4, Jihoon Kweon4
1Department of Urology, Asan Medical Center, University of Ulsan College of Medicine, Seoul, Republic of Korea, 2Department of Urology, Pusan National University Yangsan Hospital, Pusan National University School of Medicine, Yangsan, Republic of Korea, 3Department of Medical Science, Asan Medical Institute of Convergence Science and Technology, Asan Medical Center, Seoul, Republic of Korea, 4Department of Convergence Medicine, Asan Medical Center, Seoul, Republic of Korea

O-038 The relationship of body mass index to penile parameters and testicular volume in adolescents: A retrospective single-center cohort study
Jae Min Chung, Sang Don Lee
Department of Urology, Pusan National University Children’s Hospital

O-039 Analysis of factors determining uroflow patterns: Illuminating the role of dual channel electromyography
Yoonhye Ji1, Ji Eun Park1, Jeoung Eun Ji1, Sang Won Han1, Yong Seung Lee2, June Seok Kim3, Gang Kya Kim4, Sang Woon Kim*
1Department of Pediatric Urology, Bladder-Urethra Rehabilitation Clinic, Severance Children’s Hospital, 2Department of Urology and Urological Science Institute, Yonsei University College of Medicine, 3Department of Urology, Gangnam Severance Hospital, Urological Science Institute, Yonsei University College of Medicine, 4Department of Urology, National Health Insurance Service Ilsan Hospital

O-040 STAC repair in primary proximal hypospadias in children
Zafar Abdullaev1,2, Saidanvar Agzamkhodjaev1,2, Ruslan Batrutdinov1, Akmal Rakhmatullaev1,2, Kobiljon Ergashev1, Asqar Soliyev1, Sarvar Eshonkulov1
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O-041 Management of primary obstructive megareter: Comparative analysis between ureteral reimplantation vs. balloon dilation
Sang Woon Kim, Sung Woo Jeong, Yong Seung Lee, Sang Won Han
Department of Urology, Yonsei University College of Medicine

O-042 Results of uroflowmetry performed with simultaneous the dual-channel EMG in patients with spina bifida with spontaneous voiding: By comparison with the voiding phase of cystometry
Jieun Park1, Yoonhye Ji1, Jeoung Eun Ji1, Sang Won Han1, Yong Seung Lee2, Dae Ho Kim3, Sang Woon Kim*
1Department of Pediatric Urology, Bladder-Urethra Rehabilitation Clinic, Severance Children’s Hospital, 2Department of Urology and Urological Science Institute, Yonsei University College of Medicine, 3Department of Urology, Gangnam Severance Hospital, Urological Science Institute, Yonsei University College of Medicine

O-043 A single-center prospective cohort study on first-morning urine osmolality change in nocturnal enuresis
Jae Min Chung, Sang Don Lee
Department of Urology, Pusan National University Yangsan Hospital
O-044  The outcome of hormonal therapy in prepubertal children with micropenis according to hcg stimulation test: A retrospective single center cohort study
Jae Min Chung, Sang Don Lee
Department of Urology, Pusan National University Children’s Hospital

O-045  Antifibrosis treatment improves detrusor overactivity and chronic bladder pain associated with neural remodeling of central nervous system in a mouse model of interstitial cystitis
Joonbeom Kwon1,2, Hye-Ri Park2, Eun-Ju Lee2, Ji-Ae Jang2, Hyun-Jung Cho2, Yeon-Joo Kim1, Kyung-Jae Hur2, Jae-Soo Kim2, Naoki Yoshimura2
1Department of Urology, Daegu Fatima Hospital, 2Department of Research Institute, Daegu Fatima Hospital, 3Department of Urology, University of Pittsburgh School of Medicine

O-046  A novel therapeutic approach: A study on the mechanism of botulinum neurotoxin-a tibial nerve perineural injection for alleviation of overactive bladder symptoms
Hyun Seok Na1, Seungbeom Kim2, Young Sam Cho3, Jin Wook Kim4, Khae Hawn Kim5
1Department of Urology, Chungnam National University Hospital, Chungnam National University College of Medicine, Daejeon, Korea, 2Department of Urology, Kangbuk Samsung Hospital, Sungkyunkwan University School of Medicine, Seoul, Korea, 3Department of Urology, Chung Ang University Hospital, Chung-Ang University School of Medicine, Seoul, Korea, 4Department of Urology, Chungnam National University Sejong Hospital, Chungnam National University College of Medicine, Sejong, Korea

O-047  Overactive bladder medication, how long should it be sustained? Mirabegron interferes the central sensitization induced by the mice model of overactive bladder
Joonbeom Kwon1,2, Eun-Ju Lee1, Hye-Ri Park2, Hyun-Jung Cho2, Ji-Ae Jang2, Ji Hyun An1, Donghwi Park2, Yeon-Joo Kim1, Kyung-Jae Hur2, Jae-Soo Kim2, Naoki Yoshimura2
1Department of Urology, Daegu Fatima Hospital, 2Department of Research Institute, Daegu Fatima Hospital, 3Department of Anesthesiology, Daegu Fatima Hospital, 4Department of Physical Medicine and Rehabilitation, University of Ulsan College of Medicine, 5Department of Urology, University of Pittsburgh School of Medicine

O-048  Therapeutic effects of axitinib, an anti-angiogenic tyrosine kinase inhibitor for targeting interstitial cystitis
Jung Hyun Shin1, Chae-Min Ryu2,3, Hwan Yeul Yu2,4, Yang Soon Park5, Juhyun Park2, Dong-Myung Shin4, Myung-Soo Choo2
1Department of Urology, Ewha Womans University Mokdong Hospital, 2Department of Urology, Asan Medical Center, Ulsan University College of Medicine, 3Department of Center for Cell Therapy, Asan Medical Center, Ulsan University College of Medicine, 4Department of Biomedical Sciences, Asan Medical Center, Ulsan University College of Medicine, 5Department of Pathology, Asan Medical Center, Ulsan University College of Medicine

O-049  Overexpression of transient receptor potential vanilloid-4 (TRPV4) in urothelium of rat urinary bladder following bladder outlet obstruction
Jaeik Song, Seong Hyeon Yu, Kyung Jin Oh, Taek Won Kang, Kwangsun Park, Sun-Ouck Kim
Department of Urology, Chonnam National University Hospital, Chonnam National University Medical School, Gwangju, Korea
O-050 Anti-oncogenic effects of dutasteride, a dual 5-alpha reductase inhibitor, in bladder cancer
Aram Kim1, Jaekwon Seok1
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O-051 Investigation on the effects of the COVID-19 in urinary and stool microbiome with the association of progression of benign prostatic hyperplasia
Jee Soo Park1,2, Jongchan Kim1,3, Won Sik Jang1, Kwang Suk Lee4, Sung Ku Kang5, Seung Hwan Lee1, Woong Kyu Han1, Young Deuk Choi1, Won Sik Ham1
1Department of Urology and Urological Science Institute, Yongsei University College of Medicine, 2Department of Urology, Yongin Severance Hospital, Yongsei University Health System, 3Department of Urology, Gangnam Severance Hospital, Yongsei University College of Medicine, 4Department of Urology, National Health Insurance Hospital

O-052 A preliminary study for identifying correlation polystyrene microplastics with sperm quality in the mouse
Jung Wan Yoo, Min Sung Song, Hoon Choi, Jae Young Park, Jae Hyun Bae, Bum Sik Tae
Department of Urology, Korea University Ansan Hospital

O-053 The efficacy and safety of a human perirenal adipose tissue-derived stromal vascular fraction in an interstitial cystitis rat model
Ji Yong Ha1, Eun Hye Lee2, So Young Chun3, Jun Nyung Lee4, Yun-Sok Ha5, Jae-Wook Chung6, Bo Hyun Yoon1, Minji Jeon2, Hyun Tae Kim3, Tae Gyun Kwon4, Eun Sang Yoo5, Bum Soo Kim1
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O-054 Prevention of urethral fibrosis induced by transforming growth factor beta 1 using selective WNT/B-catenin signaling inhibitors in a rat model
Young Jae Kim, Sae Byeok Jang, Young Dong Yu, Tae Heon Kim, Kyung Hwa Choi, Seung Ryeol Lee
Department of Urology, Cha Bundang Medical Center, Cha University School of Medicine

O-055 Metformin and sildenafil preserve against ischemia/reperfusion-induced injury in rat urinary bladders
Hyo Seok Kang, Jong Mok Park, Ju Hyun Shin, Seung Woo Yang, Ji Yong Lee, Jae Sung Lim, Ki Hak Song
Department of Urology, Chungnam National University College of Medicine, Daejeon, Korea

Fosfomycin for antibiotic prophylaxis in men undergoing a transrectal prostate biopsy: A systematic review and meta-analysis
Hui Mo Gu1, Jin Seok Gu1, Ho Seok Chung1, Seung Il Jung1, Dongdeuk Kwon1, Myung Ha Kim2, Jaeh Jung3, Seung Ji Kang4, Eu Chang Hwang1
1Department of Urology, Chonnam National University Medical School, Hwasun, Korea, 2Department of Yonsei Wonju Medical Library, Yonsei University Wonju College of Medicine, Wonju, Korea, 3Department of Urology, Yonsei University Wonju College of Medicine, Wonju, Korea, 4Department of Infectious Disease, Chonnam National University Medical School, Gwangju, Korea
O-057 Testosterone is associated with abdominal body composition derived from computed tomography: A large cross sectional study
Seong Cheol Kim1, Myeong Chan Park1, Seungbong Han2, Young-Jee Jeon3, Tae Young Lee4, Young-Min Park5, Chongsok Chae1, Ji Hyung Yoon1, Taekmin Kwon1, Sungchun Park6, Sang Hyeon Cheon7, Kyung Hyun Moon1
1Department of Urology, Ulsan University Hospital, University of Ulsan College of Medicine, 2Department of Biostatistics, Korea University College of Medicine, 3Department of Family Medicine, Ulsan University Hospital, University of Ulsan College of Medicine, 4Department of Radiology, Ulsan University Hospital, University of Ulsan College of Medicine, 5Department of Internal Medicine, Ulsan University Hospital, University of Ulsan College of Medicine

O-058 Trends of genital wart in korea according to treatment method classification; Big data analysis of health care in 2010-2019
Lee Jae Chul1, Lyu Don Hee1, Kim Eun Jae1, Bae Sangrak1, Kim Kang Seob1, Park Bong Hee1, Chung Hong2, Cho Won Yeol1, Han Chang Hee3, Choi Useok1
1Department of Urology, The Catholic University of Korea, College of Medicine, Uijeongbu St.mary’s Hospital, 2Department of Urology, Konkuk University School of Medicine, Chungju Hospital, 3Department of Urology, Donga University College of Medicine, Donga University Hospital

O-059 The older the patients the more aggressive nature of prostate cancer detected even in the same risk-stratification: A multicenter study covers a single Korean province from 2003-2021
Young Hwii Ko1, Hyun Tae Kim2, Yoon Soo Hah3, Byung Hoon Kim4, Jun Nyung Lee5, Se Yun Kwon6, Yeon-Joo Kim7, Tae-Hwan Kim8
1Department of Urology, Yeungnam University, 2Department of Urology, Kyungpook National University, 3Department of Urology, Daegu Catholic University, 4Department of Urology, Keimyung University, 5Department of Urology, Kyungpook National University Chilgok Hospital, 6Department of Urology, Dongguk University, 7Department of Urology, Daegu Fatima Hospital, 8Department of Urology, Kyungpook National University

O-060 Suprapubic cystostomy versus foley catheter: The clinical outcome of catheterization in acute prostatitis patients with acute urinary retention
Sung Jun Sou1, Hyun Seok Lee1, Chan Ho Lee2, Won Ick Seo1, Jae Il Chung1, Kweon Sik Min1, Byeong Jin Kang2
1Department of Urology, Inje University Busan Paik Hospital, 2Department of Urology, Pusan National University Hospital

O-061 Efficacy of vaccine coverage to prevent postoperative urinary tract infection after ureteroscopic lithotripsy: A randomized controlled clinical trial
Chang Seok Kang1, Seong Uk Jeh1, Dae Hyun Kim1, Jae Hwi Choi1, See Min Choi1, Sung Chul Kam2, Chunwoo Lee3, Jeong Seok Han1, Je Seog Hyun4
1Department of Urology, Gyeongsang National University Hospital, Gyeongsang National University, College of Medicine, Institute of Health Science, Jinju, Korea, 2Department of Urology, Gyeongsang National University Changwon Hospital, Changwon, Korea

O-062 Alarmins may have significant action during interstitial cystitis
George Kochiashvili, David Kochiashvili
Department of Urology, Tbilisi State Medical University

O-063 IL-33 and Gal-3 significantly increases in interstitial cystitis
George Kochiashvili
Department of Urology, Tbilisi State Medical University

O-064 Seasonal variation of genital wart from 2010 to 2021: Analysis of HIRA-NPS
Bae Sangrak1, Lee Jae Chul1, Lyu Don Hee1, Kim Eun Jae1, Kim Kang Seob2, Park Bong Hee1, Chung Hong2, Cho Won Yeol1, Han Chang Hee3, Choi Useok1
1Department of Urology, The Catholic University of Korea, College of Medicine, Uijeongbu St. Mary’s Hospital, 2Department of Urology, Konkuk University School of Medicine, Chungju, 3Department of Urology, Donga University College of Medicine
O-065 Clinical features of fosfomycin resistance in patients with urinary tract infection
Heejo Yang, Daeyoung Lee, Kihong Kim, Doosang Kim, Changho Lee, Yoursoo Jeon
Department of Urology, Soonchunhyang University, Cheonan Hospital

O-066 Risk factors for hypotestosteronemia in age-related dynamic alteration of total testosterone level
Kevin Kang1, Jinho Young Jeon1, Jongsoo Lee2, Sung Ku Kang3, Kwang Suk Lee4
1 Department of Urology, Prostate Cancer Center, Gangnam Severance Hospital, Yonsei University College of Medicine, Republic of Korea,
2 Department of Urology, Severance Hospital, Yonsei University College of Medicine, Republic of Korea,
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4 Department of Urology, National Health Insurance Service Ilsan Hospital, Republic of Korea

5 Wed., October Room D (209) 15:00–16:00

Podium Session 7: Endourology & Stone Disease (1)
Moderator: Tae Gyun Kwon (Kyungpook National University), Joo Yong Lee (Yonsei University)

O-067 The efficacy and safety of radiation-free retrograde intrarenal surgery: A prospective multicenter-based randomized controlled study
Jun-Koo Kang1, Jae-Wook Chung1, Wonho Jung2, Kyung Jin Oh3, Hyeon Woo Kim4, Dong Gil Shin5, Jee Young Lee6
1 Department of Urology, School of Medicine, Kyungpook National University, Daegu, Republic of Korea,
2 Department of Urology, Dongsan Medical Center, Keimyeung University School of Medicine, Daegu, Korea,
3 Department of Urology, Department of Urology, Chonnam National University Medical School, Gwangju, Korea,
4 Department of Urology, Pusan National University School of Medicine, Busan, Korea,
5 Department of Urology, College of Medicine, Yeungnam University, Daegu, Korea

O-068 Stone-free rate of ECIRS, PCNL, miniPCNL and SWL: A systematic review and network meta-analysis
Jae Yong Jeong1, Gang Kyu Kim1, Dae Ho Kim2, Dae Young Jun1, Sung Ku Kang3, Young Joon Moon1, Hae Do Jung4, Kang Su Cho5, Joo Yong Lee1
1 Department of Urology, Severance Hospital, Urolological Science Institute, Yonsei University College of Medicine, Seoul, Korea,
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4 Department of Urology, Inje University Ilsan Paik Hospital, Inje University College of Medicine, Goyang, Korea

O-069 A systematic review and network meta-analysis on stone-free rate of minimal invasive interventional therapy for renal stones including UMP, miniPCNL, microPCNL, RIRS and SWL
Jae Yong Jeong1, Gang Kyu Kim1, Dae Ho Kim2, Dae Young Jun1, Sung Ku Kang3, Young Joon Moon1, Hae Do Jung4, Kang Su Cho5, Joo Yong Lee1
1 Department of Urology, Severance Hospital, Urolological Science Institute, Yonsei University College of Medicine, Seoul, Korea,
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4 Department of Urology, Inje University Ilsan Paik Hospital, Inje University College of Medicine, Goyang, Korea

O-070 Silodosin versus tamsulosin for medical expulsive therapy of ureteral stones: An updated systematic review and meta-analysis of randomized controlled trials
Jae Yong Jeong1, Hae Do Jung2, Sungun Bang3, Jong Cheol Ko4, Dae Young Jun1, Sung Ku Kang4, Young Joon Moon1, Kang Su Cho5, Joo Yong Lee1
1 Department of Urology, Severance Hospital, Urolological Science Institute, Yonsei University College of Medicine, Seoul, Korea,
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3 Department of Urology, National Health Insurance Service Ilsan Hospital, Goyang, Korea,
4 Department of Urology, Inje University Ilsan Paik Hospital, Inje University College of Medicine, Goyang, Korea
O-071  Is ultrasonography for urolithiasis accurate enough for clinical management decision making?
Henry Yc Pan1,2,3, Henry Han-I Yao1,2, Yu-Min Lim1,2, Jan Fletcher3, Tony Gabbett3, Antonio De Sousa1, Shekib Shahbaz1,4, Philip Mccahy1,4
1Department of Urology, Casey Hospital, Monash Health, Melbourne, Australia, 2Department of Medicine, Monash University, Melbourne, Australia, 3Department of Diagnostic Imaging, Monash Health, Melbourne, Australia, 4Department of Surgery, Monash University, Melbourne, Australia, 5Department of Urology, Launceston General Hospital

O-072  Comparison of urolithiasis CT with CLARI CT applied to filtered back projection (FBP), statistical iterative reconstruction (IR), knowledge-based iterative model reconstruction (IMR): A physical human phantom study
Jae Hun Shim1, Jung Hoon Kim2, Jin Wook Kim2, Yong Seong Lee2, Jong Hyun Tae2, Byung Hoon Chi1, In Ho Chang2, Tae-Hyoun Kim1, Soon Chul Myung1, Se Young Choi1, Sung Bin Park1
1Department of Urology, Chung-Ang University Hospital, College of Medicine, Chung-Ang University, 2Department of Urology, Chung-Ang University Gwangmyung Hospital, Chung-Ang University College of Medicine, 3Department of Radiology, Chung-Ang University Hospital, College of Medicine, Chung-Ang University

O-073  Development of S.T.O.N.E.S. (stone size, topography, obesity, number of stones, exposure, skin to stone distance) nephrolithometry scoring in predicting the stone free rate of extracorporeal shockwave lithotripsy in uncomplicated renal stones
Eduardo Añonuevo, Kathleen Gonzales, Michael Eufemio Macalalag
Department of Surgery, Urology Service, Philippine Urological Association

O-074  Comparison of mini-percutaneous nephrolithotomy and retrograde intrarenal surgery with 1-2 cm sized renal stones
Hyong Woo Moon, Hyeok Jae Kwon, Dongho Shin, Seokhwan Bang, Yong Hyun Park, Woong Jin Bae, U-Syn Ha, Sung-Hoo Hong, Ji Youl Lee, Sae Woong Kim, Hyuk Jin Cho
Department of Urology, Seoul St. Mary’s Hospital

O-075  Comparison between multisession retrograde intrarenal surgery and percutaneous nephrolithotomy for renal stones > 3 cm
Jung Hyun Shin1, Han Kyu Chae2, Kyeng Hyun Nam3, Hyung Keun Park3
1Department of Urology, Ewha Womans University Mokdong Hospital, 2Department of Urology, Gangneung Asan Medical Center, University of Ulsan College of Medicine, 3Department of Urology, Asan Medical Center, University of Ulsan College of Medicine

O-076  Can urinary stones phantom be used as an artificial substitute for research?
Matthew Chau1, Begoña Ballesta Martinez1,2,3, Daniel Magee1, Clare Tancabel1, Manmeet Saluja1, Ivan Aw1, Tuqi Yuminaga1, Melanie Rosenberg1, Sunny Lee1, Mikhail Lozinskiy4
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O-077  Better targeting strategies during lithotripsy by in vitro and in vivo study considering respiration regularity
Hyeji Park1, Jae Suk Park2, Sunghyun Choi1, Kyeong-O Lyu2, Eunhae Lee2, Sangyup Lee2, Seong Chan Kim2, Ohbin Kwon3, Hyunjae Song4, Min Jo Choe1,2, Sung Yong Cho1,2
1Department of Urology, Seoul National University Hospital, 2Department of Urology, Seoul National University College of Medicine, 3Department of Radiology, Seoul National University College of Medicine, 4Department of Interdisciplinary Postgraduate Program In Biomedical Engineering, Jeju National University, 5Department of Electronic Engineering, Sogang University, 6Department of Medicine, School of Medicine, Jeju National University
O-078  Recurrence of interstitial cystitis/bladder pain syndrome with hunner lesion after postoperative intravesical hyaluronic acid and chondroitin sulfate instillation therapy  
Kwangjin Ko, Jungyu Kim, Sangsor Park, Hyoung Bae, Kyu-Sung Lee  
Department of Urology, Samsung Medical Center, Sungkyunkwan University School of Medicine

O-079  Analysis of the effect of nocturia time zone on quality of life; Short-term retrospective study  
Il In Park, Young Goo Lee, Ohseong Kwon, Suhyun Park, Sung Tae Cho, Sung Gon Park  
Department of Urology, Hallym University Kangnam Sacred Heart Hospital

O-080  Effect of the novel KV7 channel opener URO-K10 on the modulation of prostate smooth muscle tone  
Mee Ree Chae, Deok Hyun Han, Hyun Hwan Sung, Sung Won Lee  
Department of Urology, Sungkyunkwan University School of Medicine, Seoul, Republic of Korea

O-081  The effects of hormonal changes for BPH/LUTS in patients with metabolic syndrome  
Dong Guyn Kim1, Sung Ku Kang2, Jong Soo Lee1, Won Sik Ham1, Jeong Woo Yoo1, Kwang Suk Lee1  
1Department of Urology, Yonsei University College of Medicine, Republic of Korea,  
2Department of Urology, National Health Insurance Hospital, Republic of Korea

O-082  Impact of persistent BOO (bladder outlet obstruction) on bladder function in male BPH patients  
Sanghun Han1, Jeong Hyeon Yu1, Hwancheol Son1, Min Chul Cho1, Sangjun Yoo1, Junghoon Lee1,  
Seong Jin Jeong2, Seung-June Oh2, Min Soo Choo1  
1Department of Urology, Seoul National University Boramae Medical Center, Seoul, Korea, 2Department of Urology, Department of Urology, Seoul National University Hospital, Seoul, Korea, Department of Urology, Seoul National University Bundang Hospital, Seongnam, Korea

O-083  Men with high blood pressure is related with high nocturnal urine volume and nocturnal polyuria index  
Jin Seok Gu, Seong Hyeon Yu, Kyung Jin Oh, Taek Won Kang, Kwangsung Park, Sun-Ouck Kim  
Department of Urology, Chonnam National University Medical School, Gwangju, Republic of Korea

O-084  Can urethral pressure profile trace predict bladder outlet obstruction and prostate size in men with lower urinary tract symptoms?  
Changho Lee, Ji-Hae Bae, Ki Hong Kim, Hee Jo Yang, Doo-Sang Kim  
Department of Urology, Soonchunhyang University Cheonan Hospital

O-085  The relationship between bladder wall thickness and lower urinary tract symptoms: Does bladder wall thickness change after alpha-blocker therapy with tamsulosin?  
Hoeyeon Lee, Eichan Lim, Seong Hyeon Yu, Kyung Jin Oh, Taek Won Kang, Kwangsung Park, Sun-Ouck Kim  
Department of Urology, Chonnam National University Medical School, Gwangju, Republic of Korea
Trends and patterns of urodynamic studies and anti-incontinence operation including patterns implemented by urology and obstetrics and gynecology in Korea, 2014-2018
Dong Seob Kim1, Jung Ki Jo1, Younghun Sim1, Kyu Shik Kim1, Beom Sik Tae2, Jae Hyun Bae2
1Department of Urology, College of Medicine, Hanyang University, Seoul, Korea, 2Department of Urology, Korea University Ansan Hospital, Korea, Ansan, Korea

Impacts of % body fat on prostate volume in general population
Jooho Lee, Jung Hoon Lee, Min Soo Choo, Min Chul Cho, Hwancheol Son, Hyeong Jeong, Sangjun Yoo
Department of Urology, Boramae Medical Center

Clinical implication in men with voided volume less than 150 mL on initial uroflowmetry
Young Heun Jo1, Sung Ku Kang2, Jong Soo Lee1, Won Sik Ham1, Seung Woo Jeong4, June Seok Kim1, Kevin Kang4, Dae Ho Kim1, Jeong Woo Yoo5, Kwang Suk Lee4
1Department of Urology, Yonsei University College of Medicine, Republic of Korea, 2Department of Urology, National Health Insurance Hospital, Republic of Korea

Germline dna-repair genes and hoxb13 mutations in Korean men with metastatic prostate cancer: Data from a large Korean cohort
Sang Hun Song1,2, Changhee Ye1, Hakmin Lee1, Jong Jin Oh1, Sangchul Lee1, Sung Kyu Hong1,2, Seok Soo Byun1
1Department of Urology, Seoul National University Bundang Hospital, 2Department of Urology, Seoul National University College of Medicine

Metastasis-prone genes revealed by targeted sequencing in prostate cancer
Seung-Hwan Jeong, Hyeong Dong Yuk, Chang Wook Jeong, Ja Hyeon Ku, Hyeon Hoe Kim, Cheol Kwak
Department of Urology, Seoul National University Hospital

Prevalence of BRCA1 and BRCA2 genetic alterations in korean patients with metastatic castration-resistant prostate cancer - A single center data of 51 samples
Tae Hyun Hwang1, Hyunho Han1, Dongju Won2, Saeam Shin3, Seung-Tae Lee4, Jong Rak Choi5, Young Deuk Choi6
1Department of Urology, Urological Science Institute, Yonsei University College of Medicine, Seoul, Korea, 2Department of Laboratory Medicine, Yonsei University College of Medicine, Seoul, Korea

The change of prostate cancer risk-stratification in a single Korean province between 2003-2021: A multicenter study recruiting entire regional training hospital data
Young Hwii Ko1, Hyun Tae Kim2, Yoon Soo Hah5, Byung Hoon Kim4, Jun Nyung Lee5, Se Yun Kwon6, Yeon-Joo Kim7, Tae-Hwan Kim8
1Department of Urology, Yeungnam University, 2Department of Urology, Kyungpook National University, 3Department of Urology, Daegu Catholic University, 4Department of Urology, Keimyung University, 5Department of Urology, Kyungpook National University Chilgok Hospital, 6Department of Urology, Dongguk University, 7Department of Urology, Daegu Fatima Hospital, 8Department of Urology, Kyungpook National University
O-093 Characterization and diagnostic performance of urinary microbiome in prostate cancer
Hyun Kyu Ahn1, Myong Kim1, Hana Yoon1, Bong Suk Sim1, Donghwan Lee2, Kwang Hyun Kim1
1Department of Urology, College of Medicine, Ewha Womans University, 2Department of Statistics, Ewha Womans University

O-094 Chromosomal instability in cell-free DNA as a prognostic biomarker of metastatic hormone-sensitive prostate cancer treated with androgen deprivation therapy
Chung Un Lee, Jae Hoon Chung, Wan Song, Minyong Kang, Hyun Hwan Sung, Byong Chang Jeong, Seong Il Seo, Seong Soo Jeon, Hyun Moo Lee, Hwang Gun Jeon, Jungyu Kim
Department of Urology, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea

O-095 Ethnic-specific polygenic risk score for tumor aggressiveness and early-onset prostate cancer in Asians
Sang Hun Song1,2, Hae Sung Lee1, Byeongdo Song1, Gyoochwan Jung1, Jong Kwon Kim1, Hakmin Lee1, Jang Jin Oh2, Sangchul Lee1, Sung Kyu Hong1, Seok Soo Byun1
1Department of Urology, Seoul National University Bundang Hospital, Seongnam, Korea, 2Department of Urology, Seoul National University College of Medicine, Seoul, Korea

O-096 Explanable machine learning models for a deeper insight on treatment decision for localized prostate cancer
Jang Hee Han1, Sungyup Lee1, Byoungwha Lee1, Ock-Kee Baek1, Samuel L. Washington iii1, Annika Herlemann2, Peter E. Lonergan3, Peter R. Carroll4, Matthew R. Cooperberg5, Chang Wook Jeong1,4
1Department of Urology, Seoul National University Hospital, Seoul, Republic of Korea, 2Department of Electronics and Telecommunications Research Institute (etri), Daejeon, Republic of Korea, 3Department of Urology, Helen Diller Family Comprehensive Cancer Center, University of California, San Francisco, San Francisco, Ca, USA, 4Department of Urology, Seoul National University College of Medicine, Seoul, Republic of Korea

O-097 Prognostic value of prostate-specific antigen kinetics during treatment of advanced prostate cancer with abiraterone and enzalutamide: multicenter analysis
Byeong Jin Kang1, Hyoung Hoon Ha1, Kyung Hwan Kim1, Gwon Kyeong Lee1, Wooseop Seong1, Kyoungiha Jang2, Soodong Kim1, Hyeok Jun Goh1, Chan Ho Lee1, Ja Yoon Ku1
1Department of Urology, Pusan National University Hospital, 2Department of Urology, Dong-A University College of Medicine, 3Department of Urology, Busan Paik Hospital, College of Medicine, Inje University, 4Department of Urology, Dongnam Inst. of Radiological & Medical Sciences

O-098 Discovery of predictive marker for good response to enzalutamide in metastatic crpc: Based on multicenter real-world data
Jang Hee Han1, Chang Wook Jeong3, Dong Deuk Kwon1, Tae-Hwan Kim1, Jae Young Joung4, Chang-So Kim1, Bumjin Lim3, Tae Gyun Kwon8, Hyun Kyu Ahn1, Byoungchan Oh1, Jae Hoon Chung8, Seong Soo Jeon3, Sung Woo Park5, Ji Yeol Lee1, Dong Deuk Kwon1, Seung Hwan Lee1, Seok-Ho Kang8, Cheol Kwak1
1Department of Urology, Seoul National University Hospital, Seoul, Korea, 2Department of Urology, Chonnam National University Hwasun Hospital, Gwangju, Korea, 3Department of Urology, Kyungpook National University Hospital, Daegu, Korea, 4Department of Urology, Center for Prostate Cancer, National Cancer Center, Goyang, Korea, 5Department of Urology, Asan Medical Center, Seoul, Korea, 6Department of Urology, Kyungpook National University Chilgok Hospital, Daegu, Korea, 7Department of Urology, Gangnam Severance Hospital, Seoul, Korea, 8Department of Urology, Samsung Medical Center, Seoul, Korea, 9Department of Urology, Pusan National University Yangsan Hospital, Yangsan, Korea, 10Department of Urology, The Catholic University Seoul St. Mary’s Hospital, Seoul, Korea, 11Department of Urology, Veterans Health Service Medical Center, Seoul, Korea, 12Department of Urology, Seoul National University Bundang Hospital, Gyeonggi-Do, Korea, 13Department of Urology, Chungbuk National University Hospital, Cheongju, Korea, 14Department of Urology, Severance Hospital, Seoul, Korea, 15Department of Urology, Korea University Anam Hospital, Seoul, Korea
ABSTRACTS

O-099  A nomogram for prediction of prostate cancer using prostate health index in Koreans, prospective, multi-center study
Young Jun Boo¹, Jae Hoon Chung¹, Jeong Hyun Kim², Sang Wook Lee², Hongzoo Park⁷
Geethyun Song¹, Chung Un Lee¹, Wan Song¹, Minyong Kang¹, Hyun Hwan Sung¹, Hwang Gyun Jeon¹,
Byong Chang Jeong¹, Seong Il Seo¹, Hyun Moo Lee¹, Seong Soo Jeon¹, Junseop Kim¹
¹Department of Urology, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea,
²Department of Urology, Department of Urology, Kangwon National University School of Medicine, Chuncheon, Korea

6 Thu., October Room B (201+202) 09:30~10:30
Podium Session 10: Basic Research-Cancer (2)
Moderator: In Ho Chang (Chung-Ang University), Sungchan Park (University of Ulsan)

O-100  Non-functioning AR amplification gene therapy for prostate cancer using PSMA-PLGA nanoparticle
Seung-Hwan Jeong, Hyeong Dong Yuk, Chang Wook Jeong, Ja Hyeon Ku, Hyeon Hoe Kim, Cheol Kwak
Department of Urology, Seoul National University Hospital

O-101  Efficacy of the bispecific shRNA expressing oncolytic adenovirus gene therapy for bladder cancer: Via regulating signal pathways and enhancing tumor microenvironment immune reaction
Wootae Ha¹, Jihee Han¹, Haein Moon¹, Bom Kim¹, Jin-Woo Choi², Jungyo Suh³
¹Department of Pharmacology and Toxicology, Curigin, ²Department of Pharmacy, Kyunghee University, ³Department of Urology, Asan Medical Center

O-102  Transcriptional profiling of metastatic hormone sensitive prostate cancer and distinct molecular features associated with clinical outcomes
Sang Min Lee¹, Byula Jee¹, Jae Hoon Chung¹, Wan Song¹, Hyun Hwan Sung¹, Hwang Gyun Jeon¹,
Byong Chang Jeong¹, Seong Il Seo¹, Seong Soo Jeon¹, Hyun Moo Lee¹, Minyong Kang¹²
¹Department of Urology, Sungkyunkwan University School of Medicine, Samsung Medical Center,
²Department of Health Sciences and Technology, Samsung Advanced Institute for Health Sciences & Technology

O-103  Utility of the molecular signature for predicting recurrence and progression in non-muscle invasive bladder cancer patients: Comparisons with EORTC risk tables and CUETO scoring model
Xuan-Mei Piao¹, Young Joon Byun¹, Chuangming Zheng¹, Sung Min Moon¹, Kyeong Kim¹, Ho Won Kang¹, Won Tae Kim¹, Yong-June Kim¹, Seok-Joong Yun¹, Sang Cheol Lee², Wun-Jae Kim¹²
¹Department of Urology, College of Medicine, Chungbuk National University, ²Department of Urology, Urotech Co.

O-104  The influence of diabetes on the microbiota in prostate tissues of patients with prostate cancer
Jung Kwon Kim, Sung Kyu Hong
Department of Urology, Seoul National University Bundang Hospital

O-105  Effect of Epha2 silencing on inhibiting the progression of renal cell carcinoma in an orthotopic mouse model
Min Hyuk Kim, Junghoon Lee, Sangjun Yoo, Min Soo Choo, Min Chul Cho, Hwancheol Son, Hyeon Jeong
Department of Urology, Seoul Metropolitan Government Boramae Medical Center, Seoul National University College of Medicine
O-106  A prospective validation study of prostate cancer transcriptomic subtype - Initial experience
Dong Gyun Kim1, Hyunho Han1, Jong Soo Lee1, Kang Su Cho2, Jae Won Park1, Young Deuk Choi3
1Department of Urology, Urological Science Institute, Yonsei University College of Medicine, Seoul, Korea, 2Department of Urology, Gangnam Severance Hospital, Yonsei University College of Medicine, Seoul, Korea, 3Department of Urology, National Health Insurance Service Ilsan Hospital, Goyang, Korea

O-107  PAN-RCC molecular subtyping by kidney epithelial cell gene expression
Jong Cheol Ko1, Hyunho Han1, Hyung Ho Lee2, Jinsoo Chung2
1Department of Urology, Urological Science Institute, Yonsei University College of Medicine, Seoul, Korea, 2Department of Urology, Urologic Cancer Research Institute and Hospital of National Cancer Center, Goyang, Korea

O-108  Development of therapeutic biomarkers for oncolytic vaccinia virus using cell-line derived xenograft mouse model
Jee Soo Park1,2, Myung Eun Lee1, Jongchan Kim1,3, Won Sik Jang1, Young-Ran Gu1, Se Mi Park1, Kwang Suk Lee4, Sung Ku Kang5, Woong Kyu Han1, Young Deuk Choi1, Won Sik Ham1
1Department of Urology and Urological Science Institute, Yonsei University College of Medicine, 2Department of Urology, Sorokdo National Hospital, 3Department of Urology, Yongin Severance Hospital, Yonsei University Health System, 4Department of Urology, Gangnam Severance Hospital, Yonsei University College of Medicine, 5Department of Urology, National Health Insurance Hospital

O-109  Changes of exosomal urinary PD-L1 concentration after PD-L1 inhibitor therapy in metastatic bladder cancer patients refractory to cisplatin based chemotherapy
Kyung Hwan Kim1, Byeong Jin Kang1, Gwon Kyeong Lee1, Wooseop Seong1, Kyoungha Jang1, Ja Yoon Ku1, Hong Koo Ha1
1Department of Urology, Pusan National University Hospital, 2Department of Urology, Dongnam Inst. of Radiological & Medical Sciences

O-110  Machine learning-based gene classification to predict prognosis of NMIBC
Young Joon Byun1, Ho Sun Shon2, Xuan-Mei Piao1, Chuang-Ming Zheng1, Sung Min Moon1, Kyeong Kim1, Ho Won Kang1, Won Tae Kim1, Yong-June Kim1, Seok-Joong Yun1, Sang-Cheol Lee1, Wun-Jae Kim1,3
1Department of Urology, College of Medicine, Chungbuk National University, 2Department of Database and Bioinformatics, College of Medicine, Chungbuk National University, 3Department of Urology, Urotech Co.

6 Thu., October  Room B (201+202)  10:30~11:30
Podium Session 11: Infertility & Sexual Dysfunction / Basic Research - Infertility & Sexual Dysfunction
Moderator: Jae Seog Hyun (Gyeongsang National University), Hyun Jun Park (Pusan National University)

O-111  A dual center study of predictive factors for sperm retrieval through microdissection testicular sperm extraction and intracytoplasmic sperm injection outcomes in males with non-mosaic klinefelter syndrome
Jong Hyeun Baeck, Sae Byuk Chang, Tae Heon Kim, Seung-Ryeol Lee, Young Kwon Hong, Dong Soo Park, Young Dong Yu
Department of Urology, Cha Medical University, Bundang Cha Hospital
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<th>Abstract ID</th>
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<tr>
<td>O-112</td>
<td>Comparison of semen analysis parameters before and after vaccination against Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) - a meta-analysis and systematic review</td>
<td>Kumar Madhavan, Manoj Biswas, Devashish Kaushal</td>
<td>Department of Urology, All India Institute of Medical Sciences, Bhopal</td>
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<td>O-113</td>
<td>U-shaped curvilinear relationship between the prevalence of testosterone deficiency and low-density lipoprotein cholesterol (LDL) levels in nonstatin users</td>
<td>Jun Ho Lee, Hyuk-Dal Jung, Jae Duck Choi, Jung Yoon Kang, Tag Keun Yoo</td>
<td>Department of Urology, Nowon Eulji Medical Center, Eulji University, Seoul, Korea</td>
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<td>O-114</td>
<td>Outcomes of robotic assisted gender affirming sigmoid vaginoplasty; 1 year follow-up in Korea</td>
<td>Hyun Cheol Jeong, Su Jin Kim, Kyungtae Ko, Daeyul Yang</td>
<td>Department of Urology, Kangdong Sacred Heart Hospital</td>
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<tr>
<td>O-115</td>
<td>Management of varicocele for male infertility: Results of a global practice survey and comparison with guidelines and recommendations</td>
<td>Hyun Jun Park¹, Agarwal Ashok²</td>
<td>¹Department of Urology, Pusan National University School of Medicine, Pusan National University Hospital, ²Department of Andrology Center and American Center for Reproductive Medicine, Cleveland Clinic, Oh, USA</td>
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<td>O-116</td>
<td>An analysis of 130 infertile Korean men with Y-chromosome microdeletion</td>
<td>Tae Ho Lee¹, Dong Suk Kim¹, Dae Keun Kim², Seung-Hun Song¹</td>
<td>¹Department of Urology, Fertility Center, Cha Gangnam Medical Center, Cha University, ²Department of Urology, Cha Fertility Center Seoul Station, Cha University</td>
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<td>O-117</td>
<td>Is the effect of acute inhalation of fine dust on the testis comparable to renal failure?: Experimental model in rat</td>
<td>Jung Wan Yoo, Min Sun Song, Hoon Choi, Jae Young Park, Bum Sik Tae, Jae Hyun Bae</td>
<td>Department of Urology, Korea University Ansan Hospital</td>
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<td>O-118</td>
<td>Effect of humidifier disinfectants on sperm quality and testis; A preliminary study using a rat experiment model</td>
<td>Jung Wan Yoo, Min Sung Song, Hoon Choi, Bum Sik Tae, Jae Young Park, Jae Hyun Bae</td>
<td>Department of Urology, Korea University Ansan Hospital</td>
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<td>O-119</td>
<td>A novel therapeutic strategy for recovery from cavernous veno-occlusive dysfunction through chronic administration of hepatocyte growth factor and a JNK inhibitor in a rat model of cavernous nerve injury</td>
<td>Junghoon Lee¹, Min Chul Cho¹, Hwancheol Son¹, Soo Woong Kim²</td>
<td>¹Department of Urology, Seoul Metropolitan Government Boramoe Medical Center, Seoul National University College of Medicine, ²Department of Urology, Seoul National University Hospital, Seoul National University College of Medicine</td>
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<td>O-120</td>
<td>Heat shock protein 70 in penile neurovascular regeneration requires cystathionine gamma-lyase</td>
<td>Anita Limanjaya, Guo Nan Yin, Jiyeon Ock, Min-Ji Choi, Mi-Hye Kwon, Fang-Yuan Liu, Fitri Rahma Fridayana, Lashkari Nilofar, Jun-Kyu Suh, Ji-Kan Ryu, Jun Hyuk Choi</td>
<td>Department of Department of Urology, Inha University School of Medicine and National Research Center for Sexual Medicine, Inha University Hospital, Incheon, Republic of Korea</td>
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O-121 Latrophilin-2 is a novel receptor for leucine-rich α-2 glycoprotein 1 that rescues vascular and neurological abnormalities and restores diabetic erectile function
Guo Nan Yin, Jiyeon Ock, Anita Limanjaya, Min-Ji Choi, Mi-Hye Kwon, Fang-Yuan Liu,
Fitri Rahma Fradayana, Lashkari Niloofar, Jun-Kyu Suh, Ji-Kan Ryu, Beom Yong Rho
Department of Department of Urology, Inha University School of Medicine and National Research Center for Sexual Medicine, Inha University Hospital, Incheon, Republic of Korea

6 Thu., October Room B (201+202) 13:00~14:00
Video Session 1
Moderator: Kwanjoong Joo (Sungkyunkwan University), Seok Ho Kang (Korea University)

V-001 Robot assisted partial nephrectomy in complete endophytic renal tumor near the renal sinus
Chung Un Lee, Michal Jakun Koo, Jae Hoon Chung, Wan Song, Minyong Kang, Hyun Hwan Sung, Seong Il Seo
Department of Urology, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea

V-002 Off-clamp robotic assisted partial nephrectomy for highly complex renal tumor
Jung Jun Kim, Joongwon Choi, Hong Jin Suh, Dong Hwan Lee, Tae-Kon Hwang
Department of Urology, Incheon St. Mary’s Hospital, The Catholic University of Korea

V-003 Simultaneous bilateral radical and partial nephrectomy on modified prone position
Si Hyun Kim, Yongsoo Jo, Jang Hee Han, Seung-Hwan Jeong, Hyeong Dong Yuk, Ja Hyeon Ku, Cheol Kwak, Hyeon Hoe Kim, Chang Wook Jeong
Department of Urology, Seoul National University Hospital, Seoul National University College of Medicine

V-004 Easy and comfortable partial nephrectomy using grasping retractor
Tae Nam Kim1, Ji Eun Oh2, Kyung-Ha Jang3, Kwon Kyung Lee1, Jeong Zoo Lee1
1Department of Urology, College of Medicine, Pusan National University, 2Department of Urology, Pusan National University Hospital

V-005 Novel technique for robot-assisted radical nephrectomy with IVC thrombectomy
Seokhwan Bang, Dongho Shin, Hyong Woo Moon, Yong Hyun Park, Hyuk Jin Cho, U-Syn Ha, Ji Youl Lee, Sung-Hoo Hong
Department of Urology, Seoul St. Mary’s Hospital, Catholic University of Korea College of Medicine, Seoul, Republic of Korea

V-006 Single port robotic retroperitoneal partial nephrectomy for renal cell carcinoma in horseshoe kidney
Seokhwan Bang, Seung Ah Rhew, Chnag Eil Yoon, Hyeok Jae Kwon, Dongho Shin, Yong Hyun Park, Hyuk Jin Cho, U-Syn Ha, Ji Yeol Lee, Sung-Hoo Hong
Department of Urology, Seoul St. Mary’s Hospital, Catholic University of Korea College of Medicine, Seoul, Republic of Korea

V-007 Robotic partial nephrectomy of the horseshoe kidney: What should we watch out for?
Jinu Kim1, Youngheun Jo1, Byung Ha Chung2, Sung Ku Kang3, Woong Kyu Han1
1Department of Urology, Urological Science Institute, Yonsei University College of Medicine, Seoul, Korea, 2Department of Urology, Gangnam Severance Hospital, Yonsei University College of Medicine, Seoul, Korea, 3Department of Urology, National Health Insurance Corporation Ilsan Hospital, Goyang, Korea
V-008  
**Robot assisted nephroureterectomy with isthmusectomy in renal pelvis transition-cell carcinoma patient with horseshoe kidney**  
Joongwon Choi, Jung Jun Kim, Dong Hwan Lee, Hong Jin Suh, Tae-Kon Hwang  
Department of Urology, The Catholic University of Korea, Incheon St. Mary’s Hospital, Incheon, Korea

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**6 Thu., October**  
**Podium Session 12: Cancer - Bladder, Pelvis, Ureter & Others (1)**  
**Moderator:** Dong Hyeon Lee (Ewha Womans university), Ja Hyeon Ku (Seoul National University)

**O-122**  
Recurrence pattern after nephron-sparing surgery in patients with upper tract urothelial carcinoma  
Department of Urology, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea

**O-123**  
Total intracorporeal versus open bladder cuffing in robotic radical nephroureterectomy for upper tract urothelial carcinoma: Isolated comparison of robotic versus open distal ureter management  
Sang Hun Song, Jin Hyuck Kim, Jongho Park, Sangchul Lee, Sung Kyu Hong, Seok-Soo Byun, Jong Jin Oh  
1Department of Urology, Seoul National University Bundang Hospital, 2Department of Urology, Seoul National University College of Medicine

**O-124**  
Comparison of survival and surgical outcomes of extended and limited lymph node dissection during radical cystectomy after neoadjuvant therapy in bladder cancer patients: Super-cohort  
Si Hyun Kim, Hyo Myong Lee, Jang Hee Han, Seung-Hwan Jeong, Chang Wook Jeong, Ja Hyeon Ku, Cheol Kwak, Hyeon Hoe Kim, Hyeong Dong Yuk  
Department of Urology, Seoul National University Hospital, Seoul National University College of Medicine

**O-125**  
Comparison of clinicopathological outcomes between de novo and radiation-associated non-muscle invasive bladder cancer patients: A propensity matched study  
Young Jae Kim, Dong Soo Park, Seoung Ryeol Lee, Young Dong Yu  
Department of Urology, Bundang Cha Hospital

**O-126**  
The learning curve for robot-assisted radical cystectomy with total intracorporeal urinary diversion based on radical cystectomy pentafecta  
Tae Il Noh, Seong Woo Yun, Tae Young Park, Chang Wan Hyun, Ha Eun Kang, Sung Goo Yoon, Seung Bin Kim, Ji Sung Shim, Sung Gu Kang, Jun Cheon, Jeong Gu Lee, Seok Ho Kang  
Department of Urology, Anam Hospital, Korea University College of Medicine, Seoul, Korea

**O-127**  
Comparison of peri-operative and oncologic outcome between old versus oldest old after radical cystectomy for bladder cancer  
Department of Urology, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea
O-128  The comparative study of the prevalence and histology between primary benign bladder tumor and recurrent benign lesion after transurethral resection of malignant bladder tumor
Jaejin Baek, Taeksang Kim, Suhwan Kang
Department of Urology, Kosin University Gospel Hospital

O-129  Bladder cancer in Korea: Incidence trend and risk factors
Min Hyuk Kim1, Sangjun Yoo1, Kwang Taek Kim1, Woo Suk Choi1, Jeong Hyun Kim4, Cheol Kwak5
1Department of Urology, Boramae Medical Center, 2Department of Urology, Gachon University Gil Medical Center,
3Department of Urology, Konkuk University Medical Center, 4Department of Urology, Kangwon National University Hospital,
5Department of Urology, Seoul National University Hospital

O-130  Clinical significance of Cystitis glandularis in patients without prior history of urinary malignancy
Seungwoo Jeong1, Jinhyung Jeon1, Jee Soo Ha1, Sungun Bang3, Jong Cheol Ko1, Hyun Ho Han2,
Sung Ku Kang3, Joo Yong Lee1, Kang Su Cho1,2,4
1Department of Urology, Prostate Cancer Center, Gangnam Severance Hospital, Yonsei University College of Medicine,
Republic of Korea, 2Department of Urology, Severance Hospital, Yonsei University College of Medicine, Republic of Korea,
3Department of Urology, National Health Insurance Service Ilsan Hospital, Republic of Korea, 4Department of Center of Evidence Based Medicine, Institute of Convergence Science, Yonsei University, Republic of Korea

O-131  Clinical outcomes of patients with variant histology of urothelial carcinoma after radical cystectomy
Jae Yeon Kim, Jong Kil Nam
Department of Urology, Pusan National University Yangsan Hospital

O-132  The difference of two year recurrence rate according to anesthetic method during transurethral resection of bladder mass in patients with non-muscle invasive bladder cancer: Prospective, randomized, clinical phase ii study
Jang Hee Han, Seung-Hwan Jeong, Si Hyun Kim, Chang Wook Jeong, Cheol Kwak, Hyeon Hoe Kim,
Hyeong Dong Yuk, Ja Hyeon Ku
Department of Urology, Seoul National University Hospital, Seoul, Republic of Korea

O-133  The percutaneous nephrostomy puncture training model under ultrasound-guidance in porcine model
Jae Yong Jeong1, June Seok Kim2, Dong Gyun Kim1, Dae Young Jun1, Sung Ku Kang3, Young Joon Moon1, Hae Do Jung4, Kang Su Cho5, Joo Yong Lee1
1Department of Urology, Severance Hospital, Urological Science Institute, Yonsei University College of Medicine, Seoul, Korea, 2Department of Urology, Gangnam Severance Hospital, Urological Science Institute, Yonsei University College of Medicine, Seoul, Korea, 3Department of Urology, National Health Insurance Service Ilsan Hospital, Goyang, Korea, 4Department of Urology, Inje University Ilsan Paik Hospital, Inje University College of Medicine, Goyang, Korea

6 Thu., October
Room B (201+202) 15:00~16:00
Podium Session 13: Trauma & Others
Moderator: Hyun Su Ahn (Ajou University), Kyung Hyun Moon (University of Ulsan)
O-134  Intelligent discrimination between normal and cancerous human urothelial cells by using electrical impedance analyzed by combination of microflow cytometry and machine learning
Sunyoon Kim1, Seungsu Ra1, Kihyun Kim1, Yeongseo Ryu1, Wonhyo Kim2, Dong Gil Shin3, Jeong Zoon Lee4, Yangkyu Park5, Hyeon Woo Kim6
1 Department of Mechanical Design Engineering, Chonnam National University, 2 Department of Smart Sensor Research Center, Korea Electronics Technology Institute, 3 Department of Urology, Pusan National University Hospital

O-135  A single surgeon retrospective review of gender affirmation surgery in the Australian capital territory
Ashan Canagasingham, Alice Grant, Kieran Hart
Department of Urology, The Canberra Hospital

O-136  Prediction model for percutaneous nephrostomy-free survival for malignant ureteral obstruction in non-urological cancer
Ji Eun Heo1, Dae Young Jun1, Jin Hyung Jeon2, Sung Ku Kang3, Jongsoo Lee1, Young Deuk Choi1, Won Sik Jang1
1 Department of Urology, Yonsei University College of Medicine, 2 Department of Urology, Gangnam Severance Hospital, Yonsei University College of Medicine, 3 Department of Urology, National Health Insurance Service Ilsan Hospital

O-137  Androgen-deprivation therapy and the risk of newly developed neovascular age-related macular degeneration in patients with prostate cancer: A nationwide cohort study in Korea
Jee Soo Ha1, Hye Sun Lee2, Soyoung Jeon2, Jinhyung Jeon1, Jong Cheol Ko2, Daeho Kim1, June Seok Kim1, Byeongseon Kim3, Gang Kyu Kim4, Jae Won Park5, Min Kim1, Kang Su Cho1,6
1 Department of Urology, Prostate Cancer Center, Gangnam Severance Hospital, Yonsei University College of Medicine, Republic of Korea, 2 Department of Biostatistics Collaboration Unit, Yonsei University College of Medicine, Republic of Korea, 3 Department of Urology, Severance Hospital, Yonsei University College of Medicine, Republic of Korea, 4 Department of Urology, National Health Insurance Service Ilsan Hospital, Republic of Korea, 5 Department of Ophthalmology, Institute of Vision Research, Gangnam Severance Hospital, Yonsei University College of Medicine, Republic of Korea, 6 Department of Center of Evidence Based Medicine, Institute of Convergence Science, Yonsei University, Republic of Korea

O-138  A prospective analysis on the clinical utility of 3D printing manufacturing patient-specific surgical guide with partial nephrectomy: A pilot study
Bumjin Lim2, Sangwook Lee3, Jaeyoung Cho2, Cheryn Song2, Yoon Soo Kyung1
1 Department of Health Screening and Promotion Center, Urology, Asan Medical Center, University of Ulsan College of Medicine, Seoul, Republic, 2 Department of Urology, Asan Medical Center, University of Ulsan College of Medicine, Seoul, Republic, 3 Department of Biomedical Engineering, Anymedi Inc

O-139  Clinical values of DMSA spect in assessment of remaining cortical renal function after recovery of renal injuries
Seong Hyeon Yu, Hyun Jin Cho, Kyung Jin Oh, Sun-Ouck Kim, Kwangsung Park, Taek Won Kang
Department of Urology, Chonnam National University Hospital, Gwangju, Republic of Korea

O-140  Long-term outcomes of anastomotic urethroplasty in patients with urethral stricture
Youngjun Boo, Hyun Hwan Sung, Byoung hun Lee
Department of Urology, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea

O-141  Predisposing factors of renal impairment in aldosterone producing adenoma after laparoscopic adrenalectomy
Siwat Santhitiphong, Supachai Sathidangkung
Department of Urology, Vajira Hospital, Navaminradhiraj University
O-142  The importance of the education of urethral catheterization in male for internship in a present Korean Objective Structured Clinical Examination (OSCE) excepted the session of urethral catheterization
Rim Lee, Jong Gyun Ha, Jae Yoon Jang, Yeong Uik Kim, Jae Young Choi, Young Hwii Ko, Ki Hak Moon, Hee Chang Jung, Phil Hyun Song
Department of Urology, Yeungnam University College of Medicine, Daegu, Korea

O-143  Case series study: Penile fracture
Myagmarsuren Purevsuren, Bayarbaatar Lamid-Ochir, Munkhjargal Batgerel, Bayan-Undur Dagvadorj, Nyamsuren Davaaajav
Department of Urology Andrology Center, The First Central Hospital of Mongolia

6 Thu., October  Room B (201+202)  16:00~17:00
Podium Session 14: Cancer-Kidney (1)
Moderator: Jinsoo Chung (National Cancer Center), Chang Wook Jeong (Seoul National University)

O-144  Novel use of circulating tumor DNA to predict renal sinus fat invasion in small renal cell carcinoma
Jee Soo Park1,2, Jongchan Kim1,3, Won Sik Jang1, Kwang Suk Lee4, Sung Ku Kang5, Hongkyung Kim6, Seung-Tae Lee6,7, Jong Rak Choi6,7, Zisun Choi1, Seung Hwan Lee1, Woong Kyu Han1, Young Deuk Choi1, Won Sik Ham1
1Department of Urology and Urological Science Institute, Yonsei University College of Medicine. 2Department of Urology, Sorokdo National Hospital, 3Department of Urology, Yongin Severance Hospital, Yonsei University Health System, 4Department of Urology, Gangnam Severance Hospital, Yonsei University College of Medicine, 5Department of Urology, National Health Insurance Hospital, 6Department of Laboratory Medicine, Yonsei University College of Medicine, 7Department of Laboratory Medicine, Dxome Co., Ltd.

O-145  Prognostic value of fat loss in patients with metastatic clear cell renal cell carcinoma treated with immune checkpoint inhibitors
Jihwan Lee1, Ji Hyun Lee1, Byula Jee1, Jae-Hun Kim2, Jae-Hoon Chung1, Wan Song1, Hyun Hwan Sung1, Hwang Gyun Jeon1, Byong Chang Jeong1, Seong Il Seo1, Seong Soo Jeon1, Hyun Moo Lee1, Minyong Kang1,3
1Department of Urology, Sungkyunkwan University School of Medicine, Samsung Medical Center, 2Department of Radiology, Sungkyunkwan University School of Medicine, Samsung Medical Center, 3Department of Health Sciences and Technology, Samsung Advanced Institute for Health Sciences & Technology

O-146  Comprehensive analysis of microbiome in renal cell carcinoma: Serum, urine, and tissue
Jang Hee Han1, Yoon-Keun Kim2, Tae-Seop Shin2, Seung-Hwan Jeong1, Si Hyun Kim1, Hyeong Dong Yuk1, Ja Hyeon Ku1, Hyeon Hoe Kim1, Cheol Kwak1, Chang Wook Jeong1
1Department of Urology, Seoul National University Hospital, Seoul, Republic of Korea, 2Department of Institute of Md Healthcare Inc., Seoul, Republic of Korea

O-147  Development and validation of a machine learning-based CT radiomics model for differentiation of benign and malignant solid renal tumors
Seokkwon Bang1, Hokun Kim2, Kwang-Hyun Uhm3, Seung-Won Jung1, Sung-Jae Ko4, Sung-Hoo Hong1
1Department of Urology, Seoul St. Mary’s Hospital, Catholic University of Korea College of Medicine, Seoul, Republic of Korea, 2Department of Radiology, Seoul St. Mary’s Hospital, Catholic University of Korea College of Medicine, Seoul, Republic of Korea, 3Department of Electrical Engineering, Korea University, Seoul, South Korea
O-148 Genomic profiling of T1a cystic renal cell carcinoma in comparison with T1a clear cell renal cell carcinoma
Jee Soo Park1,2, Jongchan Kim1,3, Won Sik Jang4, Kwang Suk Lee4, Sung Ku Kang5, Hongkyung Kim5, Jae-Woo Song6, Seung Hwan Lee1, Woong Kyu Han1, Young Deuk Choi1, Won Sik Ham1
1Department of Urology and Urological Science Institute, Yonsei University College of Medicine, 2Department of Urology, Sorokdo National Hospital, 3Department of Urology, Yongin Severance Hospital, Yonsei University Health System, 4Department of Urology, Gangnam Severance Hospital, Yonsei University College of Medicine, 5Department of Urology, National Health Insurance Hospital, 6Department of Laboratory Medicine, Yonsei University College of Medicine

O-149 Combination of conventional radiology feature and radiomics feature increases diagnostic accuracy in distinguishing renal tumor
Jang Hee Han1, Ji Yeon Ko1,2, Seung-Hwan Jeong1, Si Hyun Kim1, Taek Min Kim3, Sang Youn Kim3, Jeong Yeon Cho3, Hyeong Dong Yuk1, Ja Hyeon Ku1, Hyeon Hoe Kim1, Cheol Kwak1, Young-Gon Kim2, Chang Wook Jeong1
1Department of Urology, Seoul National University Hospital, Seoul, Republic of Korea, 2Department of Radiology, Seoul National University College of Medicine, Seoul, Republic of Korea, 3Department of Transdisciplinary Department of Medicine & Advanced Technology, Seoul National University Hospital, Seoul, Republic of Korea

O-150 Albuminuria is associated with worse prognosis of kidney cancer by reflecting tumor necrosis
Seung-Hwan Jeong, Hyeong Dong Yuk, Chang Wook Jeong, Ja Hyeon Ku, Hyeon Hoe Kim, Cheol Kwak
Department of Urology, Seoul National University Hospital

O-151 Anticancer effect of GLUT1 targeting agent (STF31) and sunitinib in renal cell carcinoma
Ji-Young Lee1, Seung Hye Han1, Sung-Woo Park2
1Department of Urology, Pusan University College of Medicine, 2Department of Urology, Pusan National University Yangsan Hospital

O-152 Gene expression markers for diagnosis of clear cell renal cell carcinoma
Dae Young Jun1, Sodam Won2, Hyungho Lee2, Hyunho Han1, Jinsoo Chung2
1Department of Urology, Urological Science Institute, Yonsei University College of Medicine, Seoul, Korea, 2Department of Urology, National Cancer Center, Goyang, Korea

O-153 Computer tomography based shape of tumor contour and texture of tumor heterogeneity are independent prognostic indicators for clinical T1B-T2 renal cell carcinoma
Byeongdo Song, Jin Noh, Sang Hun Song, Gyoohwan Jung, Hakmin Lee, Jong Jin Oh, Sangchul Lee, Seok-Soo Byun, Sung Kyu Hong, Jung Kwon Kim
Department of Urology, Seoul National University Bundang Hospital

O-154 The use of PSMA PET-CT in metastatic renal cell carcinoma - Is it better than conventional CT staging?
Matthew Chau1, Katherine Ong1, Dominic Teichmann1, Dickon Hayne1,2
1Department of Urology, Fiona Stanley Hospital, Murdoch Western Australia, Australia, 2Department of Medicine, Uwa Medical School, University of Western Australia, Crawley, Western Australia, Australia, 3Department of Urology, Australia and New Zealand Urogenital and Prostate (ANZUP) Cancer Trials Group, Sydney, New South Wales, Australia
O-155 Comparison of oncologic outcome between with versus without confirmatory bone scan in men with metastatic castration-resistant prostate cancer treated with enzalutamide
Chang Wook Jeong1, Jang Hee Han1, Dong Deuk Kwon1, Tae-Hwan Kim2, Jae Young Joung2, Choung-Soo Kim3, Bumjin Lim3, Tae Gyun Kwon4, Byung Ha Chung4, Jae Hoon Chung4, Seong Soo Jeon4, Sung Woo Park5, Ji Yeol Lee6-8, Tae Young Jung9-11, Jae Hyun Ryu11-13, Sung Kyu Hong12, Seok Joong Yun14, Seung Hwan Lee15, Seok-Ho Kang16, Cheol Kwak17
1Department of Urology, Seoul National University Hospital, Seoul, Korea, 2Department of Urology, Chonnam National University Hwasun Hospital, Gwangju, Korea, 3Department of Urology, Kyungpook National University Hospital, Daegu, Korea, 4Department of Urology, Center for Prostate Cancer, National Cancer Center, Goyang, Korea, 5Department of Urology, Asan Medical Center, Seoul, Korea, 6Department of Urology, Kyungpook National University Chilgok Hospital, Daegu, Korea, 7Department of Urology, Gangnam Severance Hospital, Seoul, Korea, 8Department of Urology, Samsung Medical Center, Seoul, Korea, 9Department of Urology, Pusan National University Yangsan Hospital, Yangsan, Korea, 10Department of Urology, Seoul St. Mary Hospital, Seoul, Korea, 11Department of Urology, Veterans Health Service Medical Center, Seoul, Korea, 12Department of Urology, Seoul National University Bundang Hospital, Gyeonggi-Do, Korea, 13Department of Urology, Chungbuk National University Hospital, Cheongju, Korea, 14Department of Urology, Severance Hospital, Seoul, Korea, 15Department of Urology, Anam Hospital, Korea University College of Medicine, Seoul, Korea

O-156 Statin co-treatment provides better oncological outcome in men with metastatic castration-resistant prostate cancer treated with enzalutamide; Based on 14 multicenter data
Jang Hee Han1, Chang Wook Jeong1, Dong Deuk Kwon2, Tae-Hwan Kim3, Jae Young Joung3, Choung-Soo Kim3, Bumjin Lim3, Tae Gyun Kwon3, Byung Ha Chung3, Jae Hoon Chung3, Seong Soo Jeon3, Sung Woo Park3, Ji Yeol Lee6,8, Tae Young Jung9,11, Jae Hyun Ryu11,13, Sung Kyu Hong12, Seok Joong Yun14, Seung Hwan Lee15, Seok-Ho Kang16, Cheol Kwak17
1Department of Urology, Seoul National University Hospital, Seoul, Korea, 2Department of Urology, Chonnam National University Hwasun Hospital, Gwangju, Korea, 3Department of Urology, Kyungpook National University Hospital, Daegu, Korea, 4Department of Urology, Center for Prostate Cancer, National Cancer Center, Goyang, Korea, 5Department of Urology, Asan Medical Center, Seoul, Korea, 6Department of Urology, Kyungpook National University Chilgok Hospital, Daegu, Korea, 7Department of Urology, Gangnam Severance Hospital, Seoul, Korea, 8Department of Urology, Samsung Medical Center, Seoul, Korea, 9Department of Urology, Pusan National University Yangsan Hospital, Yangsan, Korea, 10Department of Urology, Seoul St. Mary Hospital, Seoul, Korea, 11Department of Urology, Veterans Health Service Medical Center, Seoul, Korea, 12Department of Urology, Seoul National University Bundang Hospital, Gyeonggi-Do, Korea, 13Department of Urology, Chungbuk National University Hospital, Cheongju, Korea, 14Department of Urology, Severance Hospital, Seoul, Korea, 15Department of Urology, Anam Hospital, Korea University College of Medicine, Seoul, Korea

O-157 Metabolic heterogeneity of human prostate cancer based on 18F-PSMA-1007 and 18F-FDG PET/CT and its clinicopathologic characteristics
Jin Hyoeok Choi1, Hyun Ho Han2, Dong Woo Kim1, Mi Jin Yun1, Seung Hwan Lee1
1Department of Urology, Severance Hospital, Yonsei University College of Medicine, Seoul, Korea, 2Department of Urology, Severance Hospital, Yonsei University College of Medicine, Seoul, Korea, 3Department of Nuclear Medicine, Severance Hospital, Yonsei University College of Medicine, Seoul, Korea, 4Department of Nuclear Medicine, Severance Hospital, Yonsei University College of Medicine, Seoul, Korea

O-158 Utility of bone scan in metastatic prostate cancer; Novel prognostic features discovered using deep learning system
Jang Hee Han1, Byung Woo Kim2, Sang Hyun Yoo1, Cheol Kwak1, Young-Gon Kim2, Chang Wook Jeong1
1Department of Urology, Seoul National University Hospital, Seoul, Republic of Korea, 2Department of Transdisciplinary Department of Medicine & Advanced Technology, Seoul National University Hospital, Seoul, Republic of Korea
O-159 Predicting factor of distant metastasis at the time of biochemical recurrence in patients underwent radical prostatectomy
Jea Yon Kim, Yoon Ha Lee, Dan Bee Lee, Won Hoon Song, Seung Soo Lee, Jong Kil Nam, Sung-Woo Park
Department of Urology, Pusan National University Yangsan Hospital

O-160 The impact of multiparametric magnetic resonance imaging on treatment strategy for incidental prostate cancer after holmium laser enucleation of the prostate
Department of Urology, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea

O-161 CT guided prostate biopsy in patients with absent rectum
Matthew Chau, James Anderson
Department of Urology, Royal Perth Hospital

O-162 Prospective observation study of body composition change during androgen-deprivation therapy in Korean prostate cancer: 2 year follow up
Jang Hee Han, Seung-Hwan Jeong, Si Hyun Kim, Hyeong Dong Yuk, Ja Hyeon Ku, Hyeon Hoe Kim, Cheol Kwak, Chang Wook Jeong
Department of Urology, Seoul National University Hospital, Seoul, Republic of Korea

O-163 Combination treatment of carboxyl esterase 2-overexpressing hTERT-immortalized human adipose stem cell enhances the inhibition of tumor growth by irinotecan in castration resistant prostate cancer
Jae Heon Kim, Eun Young Oh, Yong Seok Han, Sang Hun Lee, Yun Seob Song
1Department of Urology, Soonchunhyang University School of Medicine, Seoul, Republic of Korea, 2Department of Pharmacology, Ajou University School of Medicine, Suwon, Republic of Korea, 3Department of Medical Science Research Institute, Soonchunhyang University Seoul Hospital, Seoul, Republic of Korea

O-164 Gleason pattern 5 in prostate biopsy steers worse prognosis in prostate cancer with Gleason score 7
Seung-Hwan Jeong, Hyeong Dong Yuk, Chang Wook Jeong, Ja Hyeon Ku, Hyeon Hoe Kim, Cheol Kwak
Department of Urology, Seoul National University Hospital

O-165 Role of the elastography strain ratio using transrectal ultrasonography in the diagnosis of prostate cancer and clinically significant prostate cancer
Jeong Woo Yoo, Sung Ku Kang, Jong Soo Lee, Won Sik Ham, Kyo Chul Koo, Byung Ha Chung, Kwang Suk Lee
1Department of Urology, Yonsei University College of Medicine, Republic of Korea, 2Department of Urology, National Health Insurance Hospital, Republic of Korea
O-166 Clinical efficacy of neoadjuvant intravesical mitomycin-C therapy immediately before transurethral resection of bladder tumor in patients with non-muscle-invasive bladder cancer: Preliminary results of a prospective, randomized phase II study
Hye Won Lee¹, Hyung Ho Lee², Eun Young Park³, Weon Seo Park⁴, Sung Han Kim⁵, Jae Young Joung⁶, Jinsoo Chung⁷, Ho Kyung Seo¹,⁸,⁹
¹Department of Urology, Center for Urologic Cancer, National Cancer Center, Republic of Korea, ²Department of Biostatistics Collaboration Team, Research Core Center, National Cancer Center, Republic of Korea, ³Department of Pathology, Center for Urologic Cancer, National Cancer Center, Republic of Korea, ⁴Department of Division of Tumor Immunology, Research Institute and Hospital of National Cancer Center, Republic of Korea, ⁵Department of Cancer Biomedical Science, Graduate School of Cancer Science and Policy, National Cancer Center, Republic of Korea

O-167 Stage matched head-to-head comparison between urachal carcinoma and urothelial bladder cancer: TNM-STAGE based analysis from a national multicenter database
Sang Hun Song¹,², Jin Hyuck Kim³, Changhee Ye³, Jongho Park⁴, Jong Jin Oh⁵,⁶,⁷
¹Department of Urology, Seoul National University Bundang Hospital, ²Department of Urology, Seoul National University College of Medicine, ³Department of The Bladder Cancer Research Society Korean Urological Oncology Group, ⁴Department of Urology, Yonsei University College of Medicine, ⁵Department of Urology, Gangnam Severance Hospital, ⁶Yonsei University College of Medicine, ⁷Department of Urology, National Health Insurance Service Ilsan Hospital

O-168 Intravesical gemcitabine for high risk non-muscle invasive bladder cancer in Korea: A preliminary study
Ji Eun Heo¹, Young Heun Jo¹, Jin Hyung Jeon³, Sung Ku Kang³, Jee Soo Park¹, Hyun Ho Han¹, Jongsoo Lee¹, Won Sik Ham¹, Won Sik Jang¹
¹Department of Urology, Yonsei University College of Medicine, ²Department of Urology, Gangnam Severance Hospital, ³Yonsei University College of Medicine, ⁴Department of Urology, National Health Insurance Service Ilsan Hospital, ⁵Department of Urology, Sorokdo National Hospital

O-169 Development of oncolytic adenoviral vector that suppressed undruggable target gene via bispecific RNAi system in bladder cancer
Jung Ki Yoo¹, Kihwan Um¹, Dae Hoon Lee¹, Jinwoo Choi¹, Jungyo Suh³
¹Department of R&D Center, Curigin Ltd., ²Department of Pharmacology, College of Pharmacy, Kyung Hee University, ³Department of Urology, Asan Medical Center, University of Ulsan College of Medicine

O-170 Effects of intravesical BCG maintenance therapy duration on recurrence rate in high-risk non-muscle invasive bladder cancer (NMIBC): Systematic review and network meta-analysis according to EAU COVID-19 recommendations
Young Joon Moon¹, June Seok Kim², Dong Gyun Kim¹, Dae Young Jun¹, Jae Yong Jeong¹, Sung Ku Kang³, Dong Hyuk Kang³, Hae Do Jung³, Kang Su Cho², Joo Yong Lee¹
¹Department of Urology, Severance Hospital, Urological Science Institute, Yonse University College of Medicine, Seoul, Korea, ²Department of Urology, Gangnam Severance Hospital, Urological Science Institute, Yonsei University College of Medicine, Seoul, Korea, ³Department of Urology, National Health Insurance Service Ilsan Hospital, Goyang, Korea

O-171 Therapeutic efficacy of intravesical gemcitabine treatment in BCG unresponsive patients
Seung-Hwan Jeong, Hyeong Dong Yuk, Chang Wook Jeong, Cheol Kwak, Hyeon Hoe Kim, Ja Hyeon Ku
Department of Urology, Seoul National University Hospital
O-172 The early experience of pembrolizumab in bacillus Calmette-Guérin unresponsive non-muscle-invasive bladder cancer
Chung Un Lee1, Wan Song1, Minyong Kang1, Hyun Hwan Sung1, Hwang Gyun Jeon1, Seong Il Seo2, Seong Soo Jeon1, Hyun Moo Lee3, Se Hoon Park3, Byong Chang Jeong1, Youngjun Boo1
1Department of Department of Urology, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea, 2Department of Division of Hematology-Oncology, Department of Medicine, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea

O-173 Down-staging in AUA risk stratification after Intravesical Bacillus Calmette-Guerin therapy has favorable effect on recurrence free survival after 2nd line intravesical gemcitabine chemotherapy
Kyung Hwan Kim1, Byeong Jin Kang1, Gwon Kyeong Lee1, Woosooep Seong1, Kyoungha Jang1, Ja Yoon Ku2, Hong Koo Ha2
1Department of Urology, Pusan National University Hospital, 2Department of Urology, Dongnam Inst. of Radiological & Medical Sciences

O-174 Menopausal hormone therapy and the risk of urinary tract cancer: Health Insurance database in South Korea (HISK) based retrospective cohort study
Jae Yoon Kim1, Dae Yeon Cho, Chae Hyeong Park, Luck Hee Sung, Ji Hyeong Yu
Department of Urology, Sanggye Paik Hospital, Inje University College of Medicine

O-175 Effect of statin on Bacillus Calmette-Guérin instillation treatment in patients with bladder cancer
Hyeong Dong Yuk1,2, Si Hyun Kim1, Jang Hee Han1, Seung-Hwan Jeong1, Jae-Seok Park1, Chang Wook Jeong1,2, Cheol Kwak1,2, Hyeon Hoe Kim1,2, Ja Hyeon Ku1,2
1Department of Urology, Seoul National University Hospital, 2Department of Urology, Seoul National University College of Medicine.

O-176 Tubular damage marker may be a prognostic factor in upper tract urothelial cancer
Jang Hee Han, Seung-Hwan Jeong, Si Hyun Kim, Chang Wook Jeong, Cheol Kwak, Hyeon Hoe Kim, Hyeong Dong Yuk, Ja Hyeon Ku
Department of Urology, Seoul National University Hospital, Seoul, Republic of Korea

7 Fri., October Room B (201+202) 11:00~12:00
Video Session 2
Moderator: Seung Il Jung (Chonnam National University), Jinsung Park (Eulji University)

V-009 Multi-center, prospective, single arm, pivotal study to evaluate the efficacy and safety of robotic-assisted surgery system ‘easyUretero 100’ in patients in need of retrograde intrarenal surgery
Joo Yong Lee1, Joonhwan Kim2, Jungmin Han2, Byungsik Cheon2, Dong-Soo Kwon2,3, Sung Yong Cho4
1Department of Urology, Severance Hospital, Urological Science Institute, Yonsei University College of Medicine, Seoul, Korea, 2Department of R & D Center, Easyendo Surgical, Inc., Daejeon, Korea, 3Department of Mechanical Engineering, Korea Advanced Institute of Science and Technology, Daejeon, Korea, 4Department of Urology, Seoul National University Hospital, Seoul National University College of Medicine, Seoul, Korea
V-010 Pneumovesicoscopic common sheath ureteral reimplantation in a 3-year-old girl with left complete ureteral duplication presented by continuous urinary incontinence
Michael Jakun Koo, Jungyu Kim, Hoyoung Bae, Sangsoo Park, Youngjun Boo, Junseop Kim, Deok Hyun Han, Minki Baek
Department of Urology, Sungkyunkwan University School of Medicine, Samsung Medical Center

V-011 Surgical outcomes in metastatic testicular cancer patients undergoing postchemotherapeutic robot-assisted laparoscopic retroperitoneal lymph node dissection
Si Hyun Kim1,2,3, Jang Hye Han1,2,3, Yongsoo Jo1,2,3, Seung-Hwan Jeong1,2,3, Hyeong Dong Yul1,2,3, Ja Hyeon Ku1,2,3, Chool Kwak1,2,3, Hyeon Hoe Kim1,2,3, Seok-Soon Byun1,2,3, Sung Kyu Hong1,2,3, Chang Wook Jeong1,2,3
1Department of Urology, Seoul National University Hospital, 2Department of Urology, Seoul National University Bundang Hospital, 3Department of Urology, Seoul National University College of Medicine

V-012 Initial experience of minimally invasive laparoscopic technique for inguinal lymph node dissection in penile cancer
Wook Nam, Yeonuk Jung, Homin Kang, Dongsu Kim, Han Kyu Chae, Sung Jin Kim, Han Gwun Kim, Jong Yeon Park
Department of Urology, Gang Neung Asan Hospital, University of Ulsan College of Medicine

V-013 Initial experience with urethral sparing robotic-assisted simple prostatectomy: A novel approach to preserve ejaculation
Sun Tae Ahn, Wonku Hwang, Sun Burn Cho, Hyun Soo Lee, Da Eun Han, Jong Wook Kim, Mi Mi Oh, Du Geon Moon, Hong Seok Park
Department of Urology, Korea University Guro Hospital

V-014 Robotic ureteroplasty with buccal mucosa graft for the management of mid ureteral stricture
Jin Seok Kang, Jeonghyouk Choi, Taesoo Choi, Koo Han Yoo, Dong-Gi Lee, Hyung-Lae Lee, Gyeong Eun Min
Department of Urology, Kyung Hee University College of Medicine, Kyung Hee University Hospital At Gangdong, Seoul, Republic of Korea

V-015 Robotic-assisted simple prostatectomy using the Da Vinci SP system
Byunghoon Kim, Hyejin Byun, Teakjun Shin, Wonho Jung, Jiyoung Ha
Department of Urology, Keimyung University School of Medicine, Dongsan Hospital

V-016 Transurethral bladder cuff excision for laparoscopic nephroureterectomy
Il Won, Hyun Suk Yoon, Jae Won Lee, Seok Heun Jang, Jeong Hwan Son
Department of Urology, Bundang Jesaeng General Hospital
A multicenter, randomized, double-blind, placebo-controlled, parallel, bridge study to evaluate the efficacy and safety of vibegron in Korean patients with overactive bladder

**O-177**

Jung Hyun Shin1, Seong Jin Jeong2, Sun-Ok Kim3, Chul Young Oh4, Kyung Jin Chung5, Dong Gil Shin5, Tae Hyo Kim6, Kyu-Sung Lee7, Jooneom Kwon8, Ju-Hyun Shin9, Woong Jin Bae10, Myung Soo Choo11, Vibegron Study Group12

1Department of Urology, Ewha Womans University, Mokdong Hospital, 2Department of Urology, Seoul National University Bundang Hospital, 3Department of Urology, Chonnam National University Medical School, 4Department of Urology, Hallym University College of Medicine, 5Department of Urology, Gachon University Gil Medical Center, 6Department of Urology, Pusan Nation University School of Medicine, 7Department of Urology, Dong-A University College of Medicine, 8Department of Urology, Samsung Medical Center, Sungkyunkwan University School of Medicine, 9Department of Urology, Daegu Fatima Hospital, 10Department of Urology, School of Medicine, Chonnam National University Hospital, 11Department of Urology, College of Medicine, The Catholic University of Korea, 12Department of Urology, Asan Medical Center, University of Ulsan, College of Medicine, 13Department of Urology, Vibegron Study Group (Korea Continence Society)

**O-178**

Diagnosis of occult neurological disease in patients presenting with lower urinary tract symptoms

Hee Seo Son, Jang Hwan Kim

Department of Urology and Urological Science Institute, Yonsei University College of Medicine, Severance Hospital, Seoul, Republic of Korea

**O-179**

Urodynamic study in post-stroke patients: Is there any difference according to stroke type and localization of the brain lesion?

Byeongdo Song, Jongho Park, Hyunjun Park, Jun Hyeon Nam, Hae Sung Lee, Jaewon Lee, Jin Noh, Changhee Ye, Jin Hyuck Kim, Sang Hun Song, Gyooohwan Jung, Seong Jin Jeong

Department of Urology, Seoul National University Bundang Hospital

**O-180**

Evaluation of the effectiveness and its correlating factors regarding the 12-week treatment with transperineal pelvic floor electrical stimulation system in female stress urinary incontinence

Hyeon Woo Kim, Kwon Kyeong Lee, Woo Seop Seong, Kyeong Ha Jang, Dong Gil Shin, Jeong Zoo Lee

Department of Urology, Pusan National University Hospital

**O-181**

Effectiveness of transperineal pelvic floor electrical stimulation system in improving female stress urinary incontinence: A pilot study

Hyeon Woo Kim, Kwon Kyeong Lee, Woo Seop Seong, Kyeong Ha Jang, Dong Gil Shin, Jeong Zoo Lee

Department of Urology, Pusan National University Hospital

**O-182**

Longitudinal analyses of mutational subclonal architecture and tumor subtypes during tumor recurrence and progression of bladder cancers tumor progression of bladder cancers

U-Syn Ha1,4, Daeun Ryu1,2, Tae-Min Kim1,2,3

1Department of Medical Informatics, College of Medicine, The Catholic University of Korea, Seoul, Republic of Korea, 2Department of Cancer Research Institute, College of Medicine, The Catholic University of Korea, Seoul, Republic of Korea, 3Department of Biomedicine & Health Sciences, Graduate School, The Catholic University of Korea, Seoul, Republic of Korea, 4Department of Urology, College of Medicine, The Catholic University of Korea, Seoul, Republic of Korea
O-183  HER2 overexpression is poor prognostic biomarker in non-muscle invasive bladder cancer
Kyunghyun Nam1, Han Kyu Chae1, Wook Nam1, Sung Jin Kim1, Han Gwun Kim4, Dae-Woon Eom4, So Won Kim5, Jong Yeon Park1
1Department of Urology, Gangneung Asan Hospital, University of Ulsan College of Medicine, 2Department of Urology, Asan Medical Center, University of Ulsan College of Medicine, 3Department of Pathology, Asan Medical Center, University of Ulsan College of Medicine, 4Department of Pathology, Gangneung Asan Hospital, University of Ulsan College of Medicine

O-184  Deep-learning diagnostics for bladder tumor identification and grade prediction using RGB method
Jeong Woo Yoo1, Sung Ku Kang2, Jong Soo Lee3, Won Sik Ham1, Kyo Chul Koo1, Byung Ha Chung2, Kwang Suk Lee1
1Department of Urology, Yonsei University College of Medicine, Republic of Korea, 2Department of Urology, National Health Insurance Hospital, Republic of Korea

O-185  A comparison between biparametric and multiparametric mri in predicting muscle invasion by bladder cancer based on the VI-RADS
Tae Il Noh, Seong Woo Yun, Tae Young Park, Chang Wan Hyun, Ha Eun Kang, Seong Goo Yoon, Seung Bin Kim, Ji Sung Shinh, Sung Gu Kang, Jun Cheon, Jeong Gu Lee, Seok Ho Kang
Department of Urology, Korea University Anam Hospital, Korea University School of Medicine, Seoul, Korea

O-186  Accuracy of stage prediction using vesical imaging-reporting and data system (VI-RADS) before radical cystectomy for urothelial carcinoma in super-cohort
Si Hyun Kim, Jae Hyuk Chung, Jang Hee Han, Seung-Hwan Jeong, Hyeong Dong Yook, Chang Wook Jeong, Cheol Kwak, Hyeon Hoe Kim, Ja Hyeon Ku
Department of Urology, Department of Urology, Seoul National University Hospital, Seoul National University College of Medicine

O-187  CT-based radiomics for prediction of PD-L1 expression in urothelial carcinoma
Ja Yoon Ku1, Young Jun Seo1, Jung Kyung Lee1, Kyung Hwan Kim2, Hong Koo Ha2
1Department of Urology, Dongnam Institute of Radiological & Medical Sciences, 2Department of Urology, Pusan National University Hospital, Pusan National University School of Medicine

7 Fri., October Room C (203) 15:00–16:00

Oral Session 18: Cancer-Kidney (2)
Moderator: Young Sig Kim (NHIS Ilsan Hospital), Sung-Woo Park (Pusan National University)

O-188  Contradiction between computed tomography scan and magnetic resonance imaging scan in small renal mass. Which one should we trust?
Jinu Kim, Jong Soo Lee, Youngeun Jo, Woong Kyu Han
Department of Urology, Yonsei University College of Medicine

O-189  Survival pattern of metastatic clear cell RCC patients according to fuhrman grade
Joongwon Choi, Jung Jun Kim, Younghun Lee, Hong Jin Suh, Tae-Kon Hwang
Department of Urology, The Catholic University of Korea, Incheon St. Mary's Hospital, Incheon, Korea

Withdrawal
O-190 Comparative analysis of mortality and progression to end-stage renal disease (ESRD) between surgically induced-chronic kidney disease (CKD) versus medical ckd: a study using national health insurance customized database
Gyoohwan Jung1, Chang Wook Jeong2
1Department of Urology, Seoul National University Bundang Hospital, 2Department of Urology, Seoul National University Hospital

O-191 Development of a clinical decision support system for determining RCC treatment using machine learning
Won Hoon Song1, Youn Ha Lee1, Jae Yeon Kim1, Dan Bi Lee1, Seung Soo Lee1, Jong Kil Nam1, Sung Woo Park1, Meeyoung Park2
1Department of Urology, Pusan National University Yangsan Hospital, 2Department of Computer Engineering, Kyungnam University

O-192 Clinical implications for da Vinci SP partial nephrectomy in high complexity tumors; Propensity score matching analysis
Jinu Kim, Joon Chae Na, Jong Soo Lee, Won Sik Jang, Woong Kyu Han
Department of Urology, Yonsei University College of Medicine

O-193 Differential diagnosis of benign complex cystic renal mass from cystic renal cell carcinoma of ≤4 cm using plasma fibrinogen levels
Jee Soo Park1,2, Jongsoo Lee1, Jongchan Kim1,2, Won Sik Jang1, Kwang Suk Lee4, Sung Kwang5, Hongkyung Kim1, Jae-Woo Song2, Seung Hwan Lee1, Woong Kyu Han1, Young Deuk Choi1, Won Sik Ham1
1Department of Urology and Urological Science Institute, Yonsei University College of Medicine, 2Department of Urology, Sorokdo National Hospital, 3Department of Urology, Yongin Severance Hospital, Yonsei University Health System, 4Department of Urology, Gwangmyeong Severance Hospital, Yonsei University College of Medicine, 5Department of Urology, National Health Insurance Hospital, 6Department of Laboratory Medicine, Yonsei University College of Medicine

O-194 Sex difference in survival outcome of renal cell carcinoma using updated Korean renal cell carcinoma (KORCC) database
Jaewon Lee, Soek Soo Byun, Sung Kyu Hong, Sang Chul Lee, Jong Jin Oh, Hak Min Lee, Jung Kwon Kim, Sang Hun Song
Department of Urology, Bundang Seoul National University Hospital

O-195 Global research trend analysis on renal cell carcinoma over 30 years: A PRISMA-complaint bibliometric analysis
Jung Hoon Kim1, Ji Woong Hwang2
1Department of Urology, Chung-Ang University Gwangmyeong Hospital, Chung-Ang University College of Medicine, 2Department of Surgery, Chung-Ang University Gwangmyeong Hospital, Chung-Ang University College of Medicine

O-196 Long term oncological outcomes of partial nephrectomy in pathologic T3a renal cell carcinoma
Dongsu Kim, Bumjin Lim, Jungyo Suh, Dalsan You, In Gab Jeong, Cheryn Song, Bumsik Hong, Jun Hyuk Hong, Hanjong Ahn
Department of Urology, Asan Medical Center, University of Ulsan College of Medicine

O-197 Are we performing more partial nephrectomies compared to radical nephrectomies privately in Australia? Looking at the data for the last 15 years
Arya Bahadori, Gerard Bray
Department of Urology, Gold Coast University Hospital
**74th Annual Meeting of the Korean Urological Association**

**Abstracts**

**O-198**
Comparison of efficacy and safety between monofix™pdo versus V-Loc™ for resection bed suture during robot-assisted partial nephrectomy: A randomized control, multicenter, single-blinded trial

Jang Hee Han¹, Seung-Hwan Jeong¹, Gyoo-hwan Jung¹, Seok-Sooy Byun², Seong-Il Seo³, Sung-Hoo Hong⁴, Cheol Kwak¹, Chang Wook Jeong¹

¹Department of Urology, Seoul National University Hospital, Seoul, Korea, ²Department of Urology, Seoul National University Bundang Hospital, Seongnam, Korea, ³Department of Urology, Samsung Medical Center, Seoul, Korea, ⁴Department of Urology, Seoul St. Mary’s Hospital, Seoul, Korea

**Podium Session 19: Cancer-Prostate (4)**

**O-199**
Is it safe to perform focal treatment for localized prostate cancer? Based on comprehensive per lesion analysis

Jang Hee Han¹, Seung-Hwan Jeong¹, Si Hyun Kim¹, Taek Min Kim², Sang Youn Kim¹, Jeong Yeon Cho³, Kyung Chul Moon³, Hyeong Dong Yuk¹, Ja Hyeon Ku¹, Hyeon Hoe Kim¹, Cheol Kwak¹, Chang Wook Jeong¹

¹Department of Urology, Seoul National University Hospital, Seoul, Republic of Korea, ²Department of Radiology, Seoul National University Hospital, Seoul, Republic of Korea, ³Department of Pathology, Seoul National University Hospital, Seoul, Republic of Korea

**O-200**
Single-port robot-assisted radical prostatectomy: Is it here to stay?

Tuan Thanh Nguyen¹,²,³, Ryan W. Dobbs⁴, Huy Gia Vuong⁵, Khoa Quý⁶, Hanh Thi Tuyet Ngo⁷, Anh Tuan Ngo⁹, Mai Tran Thi Tuyet⁷, Trong Hieu Le⁷, Minh Sam Thai⁷, Ho Yee Tiong⁶, Se Young Choi⁷, Mohammed Shahaï⁸, David I. Lee¹

¹Department of Urology, University of California Irvine, United States, ²Department of Medicine, University of Medicine and Pharmacy At Ho Chi Minh City, Vietnam, ³Department of Urology, Cho Ray Hospital, Vietnam, ⁴Department of Urology, Cook County Health & Hospitals System, United States, ⁵Department of Health Sciences Center, Oklahoma University Health Sciences Center, United States, ⁶Department of Urology, National University Hospital, Singapore, ⁷Department of Urology, Chung-Ang University Hospital, Chung-Ang University College of Medicine, Republic of Korea, ⁸Department of Urology, King Hussein Cancer Center, Amman, Jordan

**O-201**
Partial gland ablation using high-intensity focused ultrasound versus robot-assisted radical prostatectomy: A propensity score-matched study

Gyoo-hwan Jung, Jaewon Lee, Jung Kwon Kim, Jong Jin Oh, Sangchul Lee, Seok-Sooy Byun, Sung Kyu Hong, Hakmin Lee

Department of Urology, Seoul National University Bundang Hospital

**O-202**
Modified apical dissection improves early continence and potency in robotic-assisted laparoscopic radical prostatectomy: Comparative study between modified apical dissection and anterior suspension stitch

Chang Wan Hyun¹, Ha Eun Kang¹, Seung Bin Kim¹, Tae Il Noh¹, Ji Sung Shim¹, Seok Ho Kang¹, Jun Cheon¹, Jong Hyun Tae¹, Sung Gu Kang¹

¹Department of Urology, Department of Urology, Korea University College of Medicine, Seoul, Korea, ²Department of Urology, Department of Urology, Chung-Ang University College of Medicine, Seoul, Korea

**O-203**
The feasibility of extraperitoneal spRARP: Comparative study with intraperitoneal mpRARP

Ji Hyung Yoon, Taekmin Kwon, Seong Cheol Kim, Sungchan Park, Kyung-Hyun Moon, Sang Hyeon Cheon

Department of Urology, Ulsan University Hospital, University of Ulsan College of Medicine
O-204  
Comparison of robot-assisted, laparoscopic, and open radical prostatectomy outcomes: A systematic review and network meta-analysis from KSER update series

Do Kyung Kim1, Doo Yong Chung2, Hae Do Jung3, SungHyun Paick4, Seung Hyun Jeon5, Joo Yong Lee6
1Department of Urology, Soonchunhyang University Hospital, Soonchunhyang University College of Medicine, Seoul, Korea, 
2Department of Urology, Inje University Ilsan Paik Hospital, Inje University College of Medicine, Goyang, Korea, 
3Department of Urology, Konkuk University School of Medicine, Seoul, Korea, 
4Department of Urology, Kyung Hee University School of Medicine, Seoul, Korea, 
5Department of Urology, Severance Hospital, Urological Science Institute, Yonsei University College of Medicine, Seoul, Korea

O-205  
Clinical utility of confirmatory transperineal template-guided saturation prostate biopsy after transrectal ultrasound-guided biopsy on treatment outcome of focal high-intensity focused ultrasound

Chung Un Lee, Jae Hoon Chung, Wan Song, Minyong Kang, Hyun Hwan Sung, Hwang Gyun Jeon, Byong Chang Jeong, Seong Il Seo, Seong Soo Jeon, Hyun Moo Lee, Hoyoung Bae
Department of Urology, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea

O-206  
Interim follow-up in active surveillance patients and in negative biopsy patients after transperineal biopsy

Department of Urology, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Republic of Korea

O-207  
Can combination of multiparametric magnetic resonance imaging and MRI/US fusion prostate biopsy accurately identify potential candidates for focal therapy in prostate cancer?

Young Hyo Choi, Hee Youn Kim, Seung Ju Lee
Department of Urology, St. Vincent’s Hospital, College of Medicine, The Catholic University of Korea

O-208  
Feasibility and safety of pelvic hypothermia using a rectal cooling device (bellocool™) during robot-assisted radical prostatectomy: A phase i/ii trial: Comparative analysis using contemporary, propensity score-matched cohort

Jang Hee Han1, Dae Hyoung Park2, Seung Hwan Jeong1, Si Hyun Kim1, Hyeong Dong Yuk1, Ja Hyeon Ku1, Hyeon Hoe Kim1, Cheol Kwak1, Chang Wook Jeong2
1Department of Urology, Seoul National University Hospital, Seoul, Republic of Korea, 
2Department of Urology, Inje University Sanggye Paik Hospital, Seoul, Republic of Korea

O-209  
A nationwide study of differences in surgical treatment rates and oncological outcomes for prostate cancer according to economic status and region

JooHo Lee, Sangjun Yoo, Jung Hoon Lee, Min Soo Choo, Min Chul Cho, Hwancheol Son, Hyeon Jeong
Department of Urology, Boramae Medical Center
O-210  Linear calculus density on non-contrast computed tomography as the new predictor for calcium oxalate stone
Jae Yong Jeong1, June Seok Kim2, Dong Gyun Kim1, Dae Young Jun1, Sung Ku Kang3, Young Joon Moon1, Hae Do Jung6, Kang Su Cho2, Joo Yong Lee1
1Department of Urology, Severance Hospital, Urological Science Institute, Yonsei University College of Medicine, Seoul, Korea, 2Department of Urology, Gangnam Severance Hospital, Urological Science Institute, Yonsei University College of Medicine, Seoul, Korea, 3Department of Urology, National Health Insurance Service Ilsan Hospital, Goyang, Korea, 4Department of Urology, Inje University Ilsan Paik Hospital, Inje University College of Medicine, Goyang, Korea

O-211  Pattern analysis of laser fiber degradation according to the laser setting: In vitro study of the double-firing phenomenon
Gyoohwan Jung1, Sang Won So2, Sung Yong Cho2
1Department of Urology, Seoul National University Bundang Hospital, 2Department of Urology, Seoul National University Hospital

O-212  Can convolutional neural network be applied to the prediction of urinary stone composition in single-use flexible ureteroscopic images?
Kyung Tak Oh1,2, Dae Young Jun3, Jae Young Choi1, Dae Chul Jung4, Joo Yong Lee2
1Department of Urology, Gyeonggi-Incheon Regional Military Manpower Administration, Suwon, Korea, 2Department of Urology, Severance Hospital, Urological Science Institute, Yonsei University College of Medicine, Seoul, Korea, 3Department of Urology, Yeungnam University College of Medicine, Daegu, Korea, 4Department of Radiology, Severance Hospital, Research Institute of Radiological Science, Yonsei University College of Medicine, Seoul, Korea

O-213  Predicting pure uric acid urinary stones using computed tomographical images: A combined radiomics and machine learning approach
Binh D Le1, Anh T Nguyen2, Ilwoo Park2, Jaelk Song3, Jin Seok Gu3, Kyung Jin Oh3
1Department of Biomedical Science, Chonnam National University Medical School, 2Department of Radiology, Chonnam National University Hospital, 3Department of Urology, Chonnam National University Hospital

O-214  Genotype and phenotype analyses in patients with cystine stones
Jae Yong Jeong1, Gang Kyu Kim1, Dae Ho Kim2, Dae Young Jun1, Sung Ku Kang3, Kang Su Cho2, Keum Hwa Lee3, Joo Yong Lee1
1Department of Urology, Severance Hospital, Urological Science Institute, Yonsei University College of Medicine, Seoul, Korea, 2Department of Urology, Gangnam Severance Hospital, Urological Science Institute, Yonsei University College of Medicine, Seoul, Korea, 3Department of Pediatric Nephrology, Severance Children’s Hospital, Department of Pediatrics, Yonsei University College of Medicine, Seoul, Korea

O-215  Comparison between reusable and disposable flexible ureteroscopic stone surgeries: An updated systematic review and meta-analysis
Dae Young Jun1, Gang Kyu Kim1, Dae Ho Kim2, Jae Yong Jeong1, Sung Ku Kang3, Young Joon Moon1, Hae Do Jung6, Kang Su Cho2, Joo Yong Lee1
1Department of Urology, Severance Hospital, Urological Science Institute, Yonsei University College of Medicine, Seoul, Korea, 2Department of Urology, Gangnam Severance Hospital, Urological Science Institute, Yonsei University College of Medicine, Seoul, Korea, 3Department of Urology, National Health Insurance Service Ilsan Hospital, Goyang, Korea, 4Department of Urology, Inje University Ilsan Paik Hospital, Inje University College of Medicine, Goyang, Korea
O-216 Long-term results of self-expandable covered metallic stent for benign and malignant ureteral obstruction
Kang Sup Kim, U-Syn Ha, Sung-Hoo Hong, Ji Youl Lee, Sae Woong Kim, Hyuk Jin Cho
1Department of Urology, Uijeongbu St. Mary’s Hospital, College of Medicine, The Catholic University of Korea, Seoul, Korea, 2Department of Urology, Seoul St. Mary’s Hospital, College of Medicine, The Catholic University of Korea, Seoul, Korea

O-217 Feasibility of flexible ureteroscopy for urolithiasis under local anesthesia
Hwanik Kim, Myungsun Shim, Cheol Young Oh, Jin Seon Cho, Young Jun Uhm, Woo Jin Bang
1Department of Urology, Hallym University Sacred Heart Hospital, 2Department of Urology, Hallym University College of Medicine

O-218 Comparison of perioperative outcomes between robot-assisted simple prostatectomy and urethra-sparing robot-assisted simple prostatectomy via an extraperitoneal approach
Sae Woong Choi, Chang El Yoon, Sung-Hoo Hong, Ji Youl Lee, Sae Woong Kim, Hyuk Jin Cho
1Department of Urology, Yeoido St. Mary’s Hospital, Department of Urology, The Catholic University College of Medicine, Seoul, Republic of Korea, 2Department of Urology, Seoul St. Mary’s Hospital, Department of Urology, The Catholic University College of Medicine, Seoul, Republic of Korea

O-219 Analysis of initial cases of single port robotic surgery performed in single center
Seokwhan Bang, Dongho Shin, Kyong Woo Moon, Yong Hyun Park, U-Syn Ha, Sung-Hoo Hong, Ji Youl Lee, Hyuk Jin Cho
Department of Urology, Seoul St. Mary’s Hospital, Catholic University of Korea College of Medicine, Seoul, Republic of Korea

O-220 The clinical effects of pre-stenting before retrograde intrarenal surgery on postoperative surgical outcomes
Jae Yong Jeong, June Seok Kim, Dong Gyun Kim, Dae Young Jun, Sung Ku Kang, Young Jun Uhm, Hae Do Jung, Kang Su Cho, Joo Yong Lee
1Department of Urology, Severance Hospital, Urological Science Institute, Yonsei University College of Medicine, Seoul, Korea, 2Department of Urology, Gangnam Severance Hospital, Urological Science Institute, Yonsei University College of Medicine, Seoul, Korea, 3Department of Urology, National Health Insurance Service Ilsan Hospital, Goyang, Korea, 4Department of Urology, Inje University Ilsan Paik Hospital, Inje University College of Medicine, Goyang, Korea

E-Poster (Non Discussion Poster)

NP-001 Noninvasive screening of prostate cancer: Electrical sensing and AI technologies
Jae Yi Choi, Sungwook Park, Hojun Kim, Ji Sung Shim, Sung Gu Kang, Jun Cheon, Seok Ho Kang, Kwan Hyi Lee
1Department of Center for Advanced Biomolecular Recognition, Korea Institute of Science and Technology (KIST), Seoul, Republic of Korea, 2Department of Urology, Korea University College of Medicine, Seoul, Republic of Korea, 3Department of Urology, Kangnam Severance Hospital, Yonsei University College of Medicine, Seoul, Korea

NP-002 DRG2 level in prostate cancer cell lines predicts response to PARP inhibitor
Jeong Min Lee, Won Hyek Lee, Sung Hun Lee, Sungchan Park, Seok Cheol Kim
1Department of Urology, Ulsan University Hospital, University of Ulsan College of Medicine, 2Department of Biological Sciences, University of Ulsan, 3Department of Obstetrics & Gynecology, An University Hospital, University of Ulsan College of Medicine
NP-003  Pretreatment-free diagnosis of bladder cancer by nano-naval mine from urine
Changjoon Keum, Haejin Yeom, Ji Sung Shim, Sung Gu Kang, Jun Cheon, Kwan Hyi Lee, Youngdo Jeong, Seok Ho Kang
1Department of Center for Advanced Biomolecular Recognition, Biomedical Research Division, Korea Institute of Science and Technology, Seoul, Republic of Korea, 2Department of HY-KIST Biomedical Convergence, Hanyang University, Seoul, Republic of Korea, 3Department of KU-KIST Graduate School of Converging Science and Technology, Korea University, Seoul, Republic of Korea, 4Department of Urology, Korea University College of Medicine, Seoul, Republic of Korea

NP-004  Receptor tyrosine kinase HER3 is overexpressed in clear cell renal cell carcinoma
Jihyeong Lee, Sodam Won, Hyungho Lee, Jinsoo Chung, Weon Seo Park, Hyunho Han
1Department of Urology, Seoul National University Hospital, Seoul, Korea, 2Department of Urology, National Cancer Center, Goyang, Korea, 3Department of Pathology, National Cancer Center, Goyang, Korea, 4Department of Urology, Urological Science Institute, Yonsei University College of Medicine, Seoul, Korea

NP-005  Clinical utility of urine based miRNA biomarker ‘mirCaP kit’ for prostate cancer diagnosis in patients within the PSA gray zone
Eun-Ah Kim, Young Joon Byun, Xuan-Mei Piao, Sung Min Moon, Kyeong Kim, Ho Won Kang, Won Tae Kim, Yong-June Kim, Seok-Joong Yun, Sang-Cheol Lee, Wun-Jae Kim
1Department of Urology, College of Medicine, Chungbuk National University, 2Department of Urology, Urotech Co.

NP-006  Study on the use of NanoString nCounter to analyze RNA extracted from formalin-fixed-paraffin-embedded and fresh frozen bladder cancer tissues
Chuang-Ming Zheng, Xuan-Mei Piao, Young Joon Byun, Sun Jin Song, Seon-Kyu Kim, Ho Won Kang, Won Tae Kim, Yong-June Kim, Seok-Joong Yun, Sang-Cheol Lee, Wun-Jae Kim
1Department of Urology, College of Medicine, Chungbuk National University, 2Department of Bioscience and Biotechnology, Institute of Bioscience and Biotechnology, 3Department of Urology, Urotech Co.

NP-007  Enhanced antitumor effect of the combination of Bacille Calmette-Guerin and an immune checkpoint inhibitor in bladder cancer-on-a-chip
Se Young Choi, Mirinae Kim, Su Jeong Kang, Young Wook Choi, Sejung Maeng, Sung-Hwan Kim, In Ho Chang
1Department of Urology, Chung-Ang University Hospital, College of Medicine, Chung-Ang University, 2Department of Bioengineering, Cellsmith Inc.

NP-008  PSCA (prostate stem cell antigen) as candidate prognostic biomarker for T1a clear cell renal cell carcinoma
Jee Soo Park, Myung Eun Lee, Jongchan Kim, Won Sik Jang, Young-Ran Gu, Se Mi Park, Kwang Suk Lee, Sung Ku Kang, Woong Kyu Han, Young Deuk Choi, Won Sik Ham
1Department of Urology and Urological Science Institute, Yonsei University College of Medicine, 2Department of Urology, Sorokdo National Hospital, 3Department of Urology, Yonin Severance Hospital, Yongin Severance Hospital, Yonsei University College of Medicine, 4Department of Urology, National Health Insurance Hospital

NP-009  Post-BCG urinary microbiome is related to the response to intravesical BCG therapy in patients with NMIBC
Kyungchan Min, Chuang-Ming Zheng, Young Joon Byun, Xuan-Mei Piao, Ho Won Kang, Won Tae Kim, Sang-Cheol Lee, Yong-June Kim, Sung Pil Seo, Yun-Sok Ha, Seok-Joong Yun, Hansoo Park
1Department of Biomedical Science & Engineering, Gwangju Institute of Science and Technology, 2Department of Urology, Chungbuk National University College of Medicine, 3Department of Urology, School of Medicine, Kyungpook National University
NP-010  Fluid shear stress facilitates prostate cancer metastasis through Piezo1-Src-YAP/TAZ axis
Ok-Hyeon Kim1,2, Young Wook Choi3, Soon Auck Hong4, Mineui Hong4, In Ho Chang1,2, Hyun Jung Lee1,2
1Department of Anatomy and Cell Biology, College of Medicine, Chung-Ang University, 2Department of Global Innovative Drugs, Graduate School of Chung-Ang University, 3Department of Urology, Chung-Ang University Hospital, Chung-Ang University College of Medicine, 4Department of Pathology, College of Medicine, Chung-Ang University

NP-011  Non-muscle invasive bladder cancer surveillance - A single site retrospective review
Daniel Magee, Matthew Chau, Meghan Gledhill, Manmeet Saluja
Department of Urology, Royal Perth Hospital

NP-012  Biological potential and therapeutic potential of ascaridole in the medicine for the treatment of human health complication
Dinesh Kumar Patel
Department of Department of Pharmaceutical Sciences, Sam Higginbottom University of Agriculture, Technology and Sciences, Prayagraj, India

NP-013  Biological importance and therapeutic potential of asiaticoside in the medicine for the treatment of human disorders and complications
Dinesh Kumar Patel, Kanika Patel
Department of Department of Pharmaceutical Sciences, Sam Higginbottom University of Agriculture, Technology and Sciences, Prayagraj

NP-014  Pericyte-derived heme-binding protein 1 promotes angiogenesis and improves erectile function in diabetic mice
Si Hyeon Kim, Guo Nan Yin, Jiyeon Ock, Min-Ji Choi, Mi-Hye Kwon, Fang-Yuan Liu, Fitri Rahma Fridayana, Lashkari Niloofar, Jun-Kyu Suh, Ji-Kan Ryu
Department of Department of Urology, Inha University School of Medicine and National Research Center for Sexual Medicine, Inha University Hospital, Incheon, Republic of Korea

NP-015  Paternal factors in unexplained recurrent pregnancy loss: Impact of yoga-clinical implications
Dibakar Borthakur1, Vidhu Dhawan1, Manoj Kumar2, Neena Malhotra2, Vatsla Dadhwal2, Rima Dada1
1Department of Anatomy, Lab for Molecular Reproduction and Genetics, All India Institute of Medical Sciences, New Delhi, 2Department of Obstetrics and Gynecology, All India Institute of Medical Sciences, New Delhi

NP-016  A novel therapeutic strategy using ultrasound mediated-microbubbles drug delivery system to treat prostatic hyperplasia
Hyun Seok Na, Chung Lyul Lee, Ji Yong Lee, Seung Woo Yang, Ju Hyun Shin, Jae Sung Lim, Ki Hak Song, Jong Mok Park, Yong Gil Na, Khae-Hawn Kim
Department of Department of Urology, Chungnam National University College of Medicine, Daejeon, Korea

NP-017  Is periurethral calcification of the prostate really a clinical problem for the patients with lower urinary tract symptoms in small prostate (<30 mL)?
Tae Hyung Kim, Ho Yeon Lee, Seong Hyeon Yu, Kyung Jin Oh, Taek Won Kang, Kwangsung Park, Sun-Ouck Kim
Department of Urology, Chonnam National University Medical School

NP-018  Biological significance of senegin in the medicine for the treatment of human complication including kidney disorders
Dinesh Kumar Patel, Kanika Patel
Department of Department of Pharmaceutical Sciences, Sam Higginbottom University of Agriculture, Technology and Sciences, Prayagraj
NP-019  Ureteral cancer in australia - Where are we at? a population-based study  
Brian Ng Hung Shin, Handoow Rhee, Eric Chung  
Department of Urology, Princess Alexandra Hospital

NP-020  Clinical benefits of retrograde bladder filling method prior to catheter removal after TURP for BPH: A prospective randomized trial  
Sang Hun Song1,2, Jin Hyuck Kim1, Jung Kwon Kim1, Jong Jin Oh1, Sangchul Lee1, Seong Jin Jeong1, Seok Soo Byun1, Sung Kyu Hong1,2, Hakmin Lee1  
1Department of Urology, Seoul National University Bundang Hospital, Seongnam, Korea, 2Department of Urology, Seoul National University College of Medicine, Seoul, Korea

NP-021  Preoperative chemotherapy and radical cystectomy in octogenarian patients  
Jaebeom Jun, Bumsik Hong  
Department of Urology, Asan Medical Center

NP-022  Efficacy of immediate postoperative intravesical gemcitabine instillation in non-muscle invasive bladder cancer  
Seung Yun Yi1, Se Won Jang1, Jae Hoon Kang1, Sang Hee Lee1, Oh Jun Yun1, Jae Wook Chung1, Seok Hwan Choi1, Jun Nyung Lee1, Bum Soo Kim1, Hyun Tae Kim1, Sae Hyung Kim1, Tae Hwan Kim1, Eun Sang Yoo1, Tae Gyun Kwon1, Yun Sok Ha1  
1Department of Urology, School of Medicine, Kyungpook National University, Daegu, Korea, 2Department of Radiology, School of Medicine, Kyungpook National University, Daegu, Korea

NP-023  Comparison of major complications within 90 days following radical cystectomy according to urinary diversion method  
Danbee Lee, Jong Kil Nam, Jae Yeon Kim, Yun Ha Lee, Won Hoon Song, Seung Soo Lee, Sung Woo Park  
Department of Urology, Busan National University Yangsan Hospital

NP-024  Concomitant use of retrograde pyelography and ureteroscopy increases the risk of intravesical recurrence in patients with upper tract urothelial carcinoma  
Jong Cheol Ko1, Jee Soo Ha1, Jinhyung Jeon1, Hye Sun Lee2, Juyeon Yang2, Daeho Kim1, June Seok Kim1, Kevin Kang1, Dong Gun Kim4, Jae Won Park5, Won Sik Ham3, Young Deuk Choi3, Kang Su Cho1,6  
1Department of Urology, Prostate Cancer Center, Gangnam Severance Hospital, Yonsei University College of Medicine, Republic of Korea, 2Department of Biostatistics Collaboration Unit, Yonsei University College of Medicine, Republic of Korea, 3Department of Urology, Severance Hospital, Yonsei University College of Medicine, Republic of Korea, 4Department of Urology, National Health Insurance Service Ilsan Hospital, Republic of Korea, 5Department of Urology and Urological Science Institute, Yonsei University College of Medicine, Republic of Korea, 6Department of Center of Evidence Based Medicine, Institute of Convergence Science, Yonsei University, Republic of Korea

NP-025  The nodal management of penile cancer in Western Australia  
Matthew Chau, Clare Tancabel, Sunny Lee, Mikhail Lozinsky  
Department of Urology, Royal Perth Hospital

NP-026  Issues to consider in histopathologic assessment in bladder cancer spectroscopy  
Arthur Yim, Matthew Alberto, Damien Bolton  
Department of Urology, Austin Health

NP-027  The systemic inflammation response index as a predictor of intravesical recurrence in patients with urothelial carcinoma of the upper urinary tract after radical nephroureterectomy without a history of bladder cancer  
Jianyong Liu  
Department of Urology, Beijing Hospital, National Center of Gerontology, Institute of The Geriatric Medicine, Chinese Academy of Medical Sciences, P.R.China
NP-028  The systemic inflammation response index as a predictor of intravesical recurrence in patients with urothelial carcinoma of the upper urinary tract after radical nephroureterectomy without a history of bladder cancer
Jianyong Liu
Department of Urology, Beijing Hospital, National Center of Gerontology, Institute of The Geriatric Medicine, Chinese Academy of Medical Sciences, P.R.China

NP-029  The trends and patterns of penile cancer in Western Australia
Katherine Ong, Matthew Chau, Sunny Lee, Mikhail Lozinskiy
Department of Urology, Royal Perth Hospital, Western Australia, Australia

NP-030  Synchronous ipsilateral para-testicular metastasis from renal cell carcinoma: A case report and literature review
Jennifer Xu, Sophie Tissot, Modher Al Shawi
Department of Urology, Ballarat Base Hospital

NP-031  Metastatic low grade transitional cell carcinoma of the bladder
Tzi Yu Ivan Thia
Department of Urology, Sir Charles Gairdner Hospital

NP-032  Bladder paraganglioma: A rare but important differential
Tzi Yu Ivan Thia
Department of Urology, Sir Charles Gairdner Hospital

NP-033  Neurofibroma of the urinary bladder: A case report
Jennifer Xu, Modher Al Shawi
Department of Urology, Ballarat Base Hospital

NP-034  Preoperative embolization for non-metastatic renal cell carcinoma: A propensity score matched analysis
Gyoohwan Jung, Jun Hyun Nam, Sang Hun Song, Byeongdo Song, Hakmin Lee, Sangchul Lee, Sung Kyu Hong, Seok-So So Byun, Jung Kwon Kim
Department of Urology, Seoul National University Bundang Hospital

NP-035  An analysis of national data on the risk of kidney cancer using metformin cumulative use
Dong Seob Kim, Jung Ki Jo, Hae Kyung Song, Yun Jin Kim, Younghun Sim, Kyu Shik Kim, Yong Tae Kim
1Department of Urology, College of Medicine, Hanyang University, Seoul, Korea, 2Department of Medical and Digital Engineering, Hanyang University, Seoul, Korea, 3Department of Biostatistical Consulting and Research Lab, Medical Research Collaborating Center, Hanyang University, Seoul, Korea

NP-036  Risk factors of recurrence after robot assisted laparoscopic partial nephrectomy for solitary renal cell carcinoma
Department of Urology, Department of Urology, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea

NP-037  Retroperitoneal laparoscopic radical nephrectomy for renal cell carcinoma: Indications and long-term outcome of a cohort study in Vietnam
Huy Hoang Nguyen
Department of Department of Surgical Urology, Viet Duc University Hospital, Hanoi, Vietnam
NP-038  Significance of glucose control for perioperative and long-term renal functions after nephron-sparing surgery for renal cancer in patients with diabetes
Eichan Lim, Jeok Song, Seong Hyeon Yu, Kyung Jin Oh, Sun-Ouck Kim, Kwangsoo Park, Taek Won Kang
Department of Urology, Chonnam National University Medical School, Chonnam National University Hospital, Gwangju, Korea

NP-039  When to perform preoperative chest computed tomography (CT) for renal cancer carcinoma staging: A retrospective study
Se Won Jang1, Seung Yoon Yi1, Yun-Sok Ha1, Seok Hwan Choi1, Jun Nyung Lee1, Bum Soo Kim1, Hyun Tae Kim1, See Hyung Kim2, Tae Hwan Kim1, Eun Sang Yoo1, Tae Gyun Kwon1, Jae-Wook Chung2
1Department of Urology, School of Medicine, Kyungpook National University, Daegu, Korea,
2Department of Radiology, School of Medicine, Kyungpook National University, Daegu, Korea

NP-040  An uncommon mimicker of renal malignancy: IgG4-related disease
Tzi Yu Ivan Thia
Department of Urology, Sir Charles Gairdner Hospital

NP-041  Open partial nephrectomy for a thirty-two-centimetre angiomyolipoma: Case report
Jodie McDonald1,2, Jonathan Obrien1,2,3, Brian Kelly1, Kenneth Chen1, Sheng Don4, Declan Murphy1,3, Nathan Lawrentschuk1,2
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NP-042  Spontaneous tumor regression of pulmonary metastatic renal cell carcinoma: A case report and literature review
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NP-043  Renal cell carcinoma metastasis to the maxillary sinus. A case report and literature review
Arya Bhadori, Gerard Bray
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NP-044  Right renal mass diagnosed as focal splenosis; A rare differential for a small renal mass highlighting utility of heat damaged Tc-99m RBC scintigraphy to avoid unnecessary surgery
Gerard Bray, Arya Bahadori, Roy Teng
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NP-045  MIT family translocation renal cell carcinoma: A case report and literature review
Cheng chu, Hsiao-Jen Chung
Department of Urology, Taipei Veterans General Hospital

NP-046  Symptomatic gall bladder polyp identified as solitary renal cell carcinoma metastasis 4 years after nephrectomy: A case report
Gerard Bray
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NP-047  Temporal changes of pirads scoring by radiologists and correlation to radical prostatectomy pathological outcomes: Results from a high volume institution
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NP-048  Comparison of the efficacy between sextant versus extended sextant systematic biopsy in combined biopsy for prostate cancer
Jun Seop Kim1, Chung Un Lee1, Wan Song1, Minyong Kang1, Hyun Hwan Sung1, Hwang Gyun Jeon1, Byong Chang Jeong1, Seong Il Seo1, Seong Soo Jeon1, Hyun Moo Lee1, Byung Kwan Park2, Jae Hoon Chung1
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NP-049  Index grade group is superior to composite grade group for prediction of biochemical recurrence following radical prostatectomy
Ashan Canagasingham1,3, Oliver Best1,3, Anne-Maree Haynes1, Fiona Maclean1, James Thompson7,3, Phillip Stricker2,3
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NP-050  Safety, efficacy and cost of intra-operative cell salvage during open radical prostatectomy
Jennifer Xu1, Ned Kinnear1, Lydia Johns Putra1,2
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NP-051  Clinical significance of histological confirmation of lymph node metastasis only prostate cancer through radical prostatectomy
Dongwon Kim, Bumjin Lim, Jungyo Suh, Dalsan You, In Gab Jeong, Jun Hyuk Hong, Hanjong Ahn
Department of Urology, Asan Medical Center, University of Ulsan College of Medicine, Seoul, Korea

NP-052  Factors predicting detection of clinically significant prostate cancer when performing re-biopsy with TRUS-mr fusion biopsy: Propensity score matching
Si Hyun Kim, Hye Myong Lee, Jang Hee Han, Seung-Hwan Jeong, Chang Wook Jeong, Ja Hyeon Ku, Hyeong Dong Yuk, Hyeon Hoe Kim, Cheol Kwak
Department of Urology, Seoul National University Hospital, Seoul National University College of Medicine

NP-053  Impact of the covid-19 pandemic on prostate cancer: Does it cause prostate cancer to be diagnosed at a more advanced stage?
Byeong Jin Kang, Gwon Kyeong Lee, Wooseop Seong, Kyoungha Jang, Kyung Hwan Kim, Hong Koo Ha
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NP-054  Clinical use of prostate health index for diagnosis of prostate cancer in patients with PI-RADS 3 lesions
Chung Un Lee, Jae Hoon Chung, Minyong Kang, Hyun Hwan Sung, Hwang Gyun Jeon, Byong Chang Jeong, Seong Il Seo, Seong Soo Jeon, Hyun Moo Lee, Wan Song, Sang Min Lee
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NP-055  Evolving definitions of oligometastatic prostate cancer in the era of PSMA PET
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NP-056  Frozen section utilization to omit systematic biopsy in diagnosing high risk prostate cancer
Sung Goo Yoon1, Seong Woo Yun1, Tae Young Park1, Chang Wan Hyun1, Ha Eun Kang1, Jong Hyun Tae1, Seung Bin Kim1, Tae Il Noh1, Ji Sung Shim1, Seok Ho Kang1, Jun Cheon1, Jeong Gu Lee1, Sung Gu Kang1
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NP-057  The utilization of target and systematic biopsy alone according to the PI-RADS score based on the diagnostic performance of transperineal MRI ultrasound fusion target and systematic prostate biopsy
Tae Il Noh, Tae Young Park, Ha Eun Kang, Chang Wan Hyun, Seong Woo Yun, Sung Goo Yoon, Seung Bin Kim, Ji Sung Shim, Seok Ho Kang, Jun Cheon, Jeong Gu Lee, Sung Gu Kang
Department of Urology, Anam Hospital, Korea University College of Medicine

NP-058  The comparative outcome of extraperitoneal SP RARP vs transperitoneal multiport RARP
Young Hwii Ko, Phil Hyun Song, Ki Hak Moon, Hee Chang Jung, Jae Young Choi, Yeong Uk Kim
Department of Urology, Yeungnam University

NP-059  The effects of personal and family cancer history on the diagnosis of prostate cancer and high grade disease in a multi-institutional prostate biopsy registry
Kwang Suk Lee\(^1\), Eu Chang Hwang\(^1\), Jae Hoon Jung\(^1\), Sang Hyub Lee\(^1\), Hak Min Lee\(^1\), Woong Kyu Han\(^1\)
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NP-060  Salvage stereotactic body radiation therapy for locally recurrent prostate cancer following primary radiation therapy, are benefits worth toxicity risks?: A systematic review
Gerard Bray
Department of Urology, Gold Coast University Hospital

NP-061  PSA density has a value as a predictor for clinically significant prostate cancer detection in PI-RADS 3 on MRI
Minsu Choi, Sung Hyun Bae, Hyungyu Lim, Hye Jin Byun, Teak Jun Shin, Wonho Jung, Ji Yong Ha, Byung Hoon Kim
Department of Urology, Keimyung University School of Medicine

NP-062  Magnetic Resonance Imaging/Transrectal Ultrasound fusion transperineal prostate biopsy: A promising future
Moammar Andar Roemare Siregar, Nugroho Purnomo, Kevin Leonardo, Benhard Christopher Simanjuntak
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NP-063  The prostate health index and multi-parametric MRI improve diagnostic accuracy of detecting prostate cancer in Asian population
Changhee Ye\(^1\), Danhyo Kim\(^1\), Jin-Nyoun Ho\(^1\), Hwanik Kim\(^1\), Hakmin Lee\(^1\), Seong Jin Jeong\(^1\), Sung Kyu Hong\(^1\), Seok Soo Byun\(^1\), Sungil Hwang\(^1\), Hyungwoo Ahn\(^1\), Hak Jong Lee\(^2\), Sangchul Lee\(^1\)
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NP-064  Risk analysis of metformin use in prostate cancer risk: A national population-based study
Dong Seob Kim\(^1\), Jung Ki Jo\(^1,2\), Kyu Shik Kim\(^1\), Younghun Sim\(^1\), Hae Kyung Song\(^1\), Yong Gi Heo\(^2\), Mi Jeong Kim\(^2\), Yun Jin Kim\(^3\)
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NP-065  
**Pirads 3 lesion is an independent predictor of negative biopsy in patients undergoing repeat MRI-guided biopsy**

Sang Hun Song1,2, Jaewon Lee1, Byeongdo Song1, Gyoo-hwan Jung1, Jung Kwon Kim1, Hak-min Lee1, Jong Jin Oh1, Sangchul Lee1, Seok-Soo Byun1, Sung Kyu Hong1,2

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NP-066  
**Differences in prognosis of CRPC patients according to PSA nadir and initial PSA levels**

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NP-067  
**Differentially expressed miRNA of prostate cancer tissues represents promising candidate markers for prognosis prediction**

Jae Heon Kim1,2, Kwang Woo Lee1, Ah Rim Moon1, Soo Min Suh1,2, Yon Hee Kim1, Ji Hye Lee1, Seong Ho Ryu1,2, Yun Seob Song1

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NP-068  
**Decision regret after prostate biopsy for diagnosis of prostate cancer: Multicenter study in Korea**

Hwanik Kim1, Sung Yong Cho2, Mun Su Chung3, Sun Il Kim4, Seung Hwan Lee1, Woojin Bang1, Kyo Chul Koo5, Kwang Suk Lee6, Young Jun Uhm1, Myungsun Shim1, Dae Sung Cho5, Cheol Young Oh1, Jin Seon Cho1

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NP-069  
**Effectiveness and safety report of anti-adhesion collagen type I agent for laparoscopic radical prostatectomy including robot surgery: Prospective, multicenter, single-blind randomized clinical trial**

Seokhwan Bang1, Young Hyo Choi2, Seung Ah Rhew2, Chang Eil Yoon1, Hyeok Jae Kwon1, Hyuk Jin Cho1, U-Syn Ha1, Seung-Ju Lee1, Ji Yeol Lee1, Sung-Hoo Hong1

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NP-070  
**PSMA PET guided metastasis directed therapy: Changing the treatment paradigm for oligometastatic prostate cancer**

Arthur Yim, Matthew Alberto, Damien Bolton, Marlon Perera

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NP-071  
**Skin metastasis from prostate cancer. A case report and review of the literature**

Gerard Bray

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NP-072  The highs and lows of grading of intraductal carcinoma of the prostate: A case report and literature review
Jodie McDonald1,2, Jonathan Obrien1,2,3, Brian Kelly1, Declan Murphy1,2,3, Nathan Lawrentshuck1,2,3, Renu Eapen1,2, Cathrine Mitchell4
1 Department of Cancer Surgery, Peter MacCallum Cancer Centre, 2 Department of Urology, The Royal Melbourne Hospital, 3 Department of Oncology, University of Melbourne, 4 Department of Pathology, Peter MacCallum Cancer Centre

NP-073  Correlation between histopathology grading (Gleason score) with prostate specific antigen (PSA) level in adenocarcinoma prostate patients
Darian Davin, Didit Pramudhito
Department of Surgery, Medical Faculty of Sriwijaya University

NP-074  Messenger RNA and prostate cancer
Nouha Bouayed Abdelmoula
Department of Genomics of Signalopathies At The Service of Medicine, Medical University of Sfax, Tunisia

NP-075  An artificial intelligence and human reader study on recognition of ureter stone in non-contrast CT images
Sung Ku Kang1, Won Sik Ham2, Dae Ho Kim3, Jeong Woo Yoo2, Sang Wouk Cho1,4, Hwiyoung Kim4,5, Kwang Suk Lee2
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NP-076  Supine vs prone PCNL, which approach reigns supreme in a tertiary centre?
Gerard Bray
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NP-077  Impact of preoperative ureteral stenting size on postoperative outcomes of retrograde intrarenal surgery for urolithiasis: A prospective study
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NP-078  Impact of the timing of percutaneous nephrostomy on the prognosis in patients with obstructive urolithiasis with sepsis
Ji Eun Yu, Ye Chan Joo, Young Seop Chang, Jin Bum Kim, Hong Wook Kim, Hyung Joon Kim, Dong Hoon Koh
Department of Urology, Konyang University College of Medicine

NP-079  Early experience of supine percutaneous nephrolithotomy (PCNL) under combined spinal-epidural anaesthesia
Siu Fai Ma, Vincent Law, Ting Kit Lo, Yu Kit Lee, Cheung Hing Cheng, Tsz Yeung Chan, Hin Lysander Chau, Sau Kwan Chu
Department of Surgery, Tuen Mun Hospital

NP-080  The safety of retrograde intrarenal surgery under high pressure irrigation assisted by automated irrigation pump: A prospective, observational, single-arm study
Han Kyu Chae, Jin-young Jeon, Ryu-han Kim, Jin-soo Lee, Yeon-uk Jung, Homin Kang, Dong-su Kim, Wook Nam, Han Gwun Kim, Jong Yeon Park, Sung Jin Kim
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NP-081 Trends in use of ESWL vs laser lithotripsy for management of renal stones in Australia over the last 25 years
Arya Bahadori, Gerard Bray
Department of Urology, Gold Coast University Hospital

NP-082 Stone-free rate is associated with lower pole infundibular width in mini percutaneous nephrolithotripsy for renal pelvis-lower pole stones
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1Department of Department of Surgery and Practical Surgery, Haiphong University of Medicine and Pharmacy, 2Department of Urology & Andrology Centre, 3Military Central Hospital, 4Department of Urology & Andrology Centre, 5Military Central Hospital

NP-083 Bilateral renal papillary hyperplasia: A rare cause of visible haematuria conservatively managed
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NP-084 Passing stones down under: A multicentre evaluation of acute ureteric colic in Australia
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NP-085 The rise and fall of percutaneous nephrolithotomy in Australia
Arya Bahadori, Gerard Bray
Department of Urology, Gold Coast University Hospital

NP-086 Nephrostomy encrustation as a complication in the management of nephrolithiasis during pregnancy: A mini case series
Jennifer Xu, Briony Norris, Nathan Lawrentschuck
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NP-087 Biological potential and therapeutic benefit of fraxin in the medicine for the treatment of kidney complications
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NP-088 A case of dual staghorn calculi in bifid collecting system treated with open anatrophic nephrolithotomy and pyelolithotomy
Catalina Palma, Isaac Ealing, Ross Calopedos, Marnique Basto, John Boulas
Department of Urology, Royal Prince Alfred Hospital, Sydney, Australia

NP-089 Neovaginal reconstruction by using peritoneal flap in patients with vaginal agenesis
Duc-Minh Pham
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NP-090 Is an immediate pad usage after radical prostatectomy (RP) still an usual condition even in this era?, A cohort analysis of the continence outcome after robot-assisted RP with modern anti-incontinence technique
Jung Jun Kim, Joongwon Choi, Hong Jin Suh, Dong Hwan Lee, Tae-Kon Hwang
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NP-091 Efficacy of surgical treatment for post-prostatectomy urinary incontinence: A systematic review and network meta-analysis
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NP-092 Evaluation of clinical and urodynamic predictors of failure after mid-urethral sling operation: Comparison between pure stress urinary stress incontinence group and mixed urinary incontinence group
Byeongdo Song, Jongho Park, Hyunjun Park, Jun Hyun Nam, Hae Sung Lee, Jaewon Lee, Jin Noh, Changhee Ye, Jin Hyuck Kim, Sang Hun Song, Gyoochwan Jung, Seong Jin Jeong
Department of Urology, Seoul National University Bundang Hospital

NP-093 Hysterectomy for uterine fibroids and stress urinary incontinence surgery: A nationwide cohort study
Jun Ho Lee, Hyuk-Dal Jung, Jae Duck Choi, Jung Yoon Kang, Tag Keun Yoo
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NP-094 Factors of transient urinary incontinence after holmium laser enucleation of the prostate as a palliative management for refractory bladder outlet obstruction in patients with advanced prostate cancer
Hyeon Woo Kim, Kwon Kyeong Lee, Woo Seop Seong, Kyeong Ha Jang, Tae Nam Kim, Dong Gil Shin, Jeong Zoo Lee
Department of Urology, Pusan National University Hospital

NP-095 Pelvic floor muscle exercise with or without duloxetine for postprostatectomy urinary incontinence: A retrospective, single center study
Chang Seok Kang1, Dae Hyun Kim1, Jae Hwi Choi1, Chunwoo Lee2, Seong Uk Jeh1, Sung Chul Kam2, Jeong Seok Hwa1, Jae Seog Hyun1, See Min Choi1
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NP-096 Who are in the risk of recurrence of UTI due to repeated ESBL producing Enterobacteriaceae infection? A retrospective cohort study
Hyun-Soo Lee1, Won-Ku Hwang1, Sun Bum Cho1, Da Eun Han1, Sun Tae Ahn1, Jong Wook Kim1, Hong Seok Park1, Du Geon Moon1, Min Gu Park2, Mi Mi Oh1
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NP-097 A comparative study on the urinary tests and urinary cultures for the effectiveness of Fosfomycin in catheter related urinary tract infection
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   Dinesh Kumar Patel
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NP-099 Renal mucormycosis in post-COVID patients
   Matthew Chau
   Department of Urology, North Metropolitan Health Service

NP-100 The management of persistent ureteral-ileal anastomotic leak
   Matthew Chau
   Department of Urology, Sir Charles Gairdner Hospital

NP-101 Is vitamin D deficiency associated with low testosterone levels in Asian luts patients?
   Hyo Myoung Lee, Junghoon Lee, Sangjun Yoo, Min Soo Choo, Min Chul Cho, Hyeon Jeong, Hwancheol Son
   Department of Urology, Seoul Metropolitan Government Boramae Medical Center, Seoul National University College of Medicine

NP-102 Long-term outcomes and couples’ satisfaction with redo penile prosthesis for patients with erectile dysfunction: A retrospective study in a single center
   Yeong Uk Kim, Rim Lee, Jong Gyun Ha, Jae Yoon Jang, Jae Young Choi, Young Hwii Ko, Phil Hyun Song, Hee Chang Jung, Ki Hak Moon
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NP-103 Influence of yoga on infertility - A systematic review
   Rajesh Kumar, Dibakar Borthakur, Rima Dada
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NP-104 Y chromosome microdeletion in Y microdeletion
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NP-105 COVID-19 infection linked to erectile dysfunction; A literature review examining the link and proposed mechanisms behind this phenomenon
   Gerard Bray, Arya Bahadori
   Department of Urology, Gold Coast University Hospital

NP-106 Extracorporeal shock wave therapy for erectile dysfunction; A review
   Gerard Bray
   Department of Urology, Gold Coast University Hospital

NP-107 The association of individual anatomical structural variations with voiding functions in men with benign prostatic hyperplasia/lower urinary tract symptoms
   Dae Ho Kim, Sung Ku Kang, Jong Soo Lee, Won Sik Ham, Jeong Woo Yoo, Kwang Suk Lee
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NP-108 Comparing effects of alpha-blocker management on acute urinary retention secondary to benign prostatic hyperplasia: A systematic review and network meta-analysis
   Yong Nam Gwon, Jae Joon Park, Won Jae Yang, Seung Whan Doo, Jae Heon Kim, Do Kyung Kim
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NP-109 Are outcomes and complications of holmium laser enucleation of the prostate different in men aged 75 and over? Yoon Ha Lee, Jaeyeon Kim, Danbhee Lee, Won Hoon Song, Jong Kil Nam, Jae Min Chung, Sung-Woo Park, Sang Don Lee, Seungsoo Lee Department of Urology, Pusan National University Yangsan Hospital

NP-110 Initial experience of prostatic embolization Gang Kyu Kim, Jang Hwan Kim Department of Urology, Severance Hospital, Urological Science Institute, Yonsei University College of Medicine, Seoul, Korea

NP-111 Outpatient Robot-Assisted Simple Prostatectomy: Initial short-term follow-up results Tuan Thanh Nguyen, Sohrab Naushad Ali, Nick Hassas, Joshua Tran, Erica Huang, Ryan W Dobbs, Mohammed Shahait, Thomas E Ahlering, David I Lee 1. Department of Urology, University of California Irvine, United States, 2. Department of Urology, Cook County Health & Hospitals System, United States, 3. Department of Urology, King Hussein Cancer Center, Amman, Jordan

NP-112 Relationship between urination posture and perceptual differences of gender role identity types Dong Seob Kim, Jung Ki Jo, Koun Seok Lee, Na Yeon Choi, Younghun Sim, Kyu Shik Kim, Yong Tae Kim 1. Department of Urology, College of Medicine, Hanyang University, Seoul, Korea, 2. Department of Psychiatry, Hanyang University Hospital, Seoul, Korea, 3. Department of Biostatistical Consulting and Research Lab, Medical Research Collaborating Center, Hanyang University, Seoul, Korea

NP-113 Reflections on the prevalence and treatment trends of micturition disorders using healthcare big data Young Hwan Kim, Tae Wook Kang, Hyun Chul Chung, Ki Dong Chang, Sang Baek Koh, Tae Hyoun Kim, Se Cheol Kim, Jae Hung Jung 1. Department of Urology, Yonsei University Wonju College of Medicine, Wonju, Korea, 2. Department of Preventive Medicine, Yonsei University Wonju College of Medicine, Wonju, Korea, 3. Department of Urology, College of Medicine, Chung Ang University, Seoul, Korea, 4. Department of Urology, Myong-Gi Hospital, Go Yang, Korea

NP-114 Evaluation of the efficacy of transurethral enucleation with bipolar using spatula loop by prostate volume in benign prostate hyperplasia patients Byeonggil Song, Jongho Park, Hyunjun Park, Jun Hyun Nam, Hae Sung Lee, Jaewon Lee, Jin Noh, Changhee Ye, Jin Hyuck Kim, Sang Hun Song, Kyuwhan Jung, Seong Jin Jeong Department of Urology, Seoul National University Bundang Hospital

NP-115 Impact of bladder neck invasion of tumor regarding the effectiveness and safety of holmium laser enucleation of the prostate as a palliative management for refractory bladder outlet obstruction in patients with advanced prostate cancer Hyeon Woo Kim, Kwon Kyeong Lee, Woo Seop Seong, Kyeong Ha Jang, Tae Nam Kim, Dong Gil Shin, Jeong Zoo Lee Department of Urology, Pusan National University Hospital

NP-116 Efficacy and safety of ‘En-bloc’ holmium laser prostate enucleation (HOLEP) for lower urinary tract symptoms (LUTS) with a small prostate of less than 25 mL Dae Hyun Kim, Chang Seok Kang, Jae Hwi Choi, Seong Uk Jeh, See Min Choi, Chun Woo Lee, Sung Chul Kam, Jeong Seok Hwa, Jae Seog Hyun 1. Department of Urology, Gyeongsang National University and Hospital, Gyeongsang National University School of Medicine, Jinju, Republic of Korea, 2. Department of Urology, Gyeongsang National University Changwon Hospital, Changwon, Republic of Korea
NP-117 Feasibility and safety of bipolar-plasma transurethral enucleation and resection of the prostate in ambulatory surgery mode
Zhihui Zou1, Yongtao Hu1, Ligang Zhang1, Yao Lu1, Jin Zhang1, Fang Li4, Zongyao Hao1, Chaozhao Liang1
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NP-118 Robot assisted extravesical ureteral reimplantation in infants versus children and adolescents: A comparative short-term follow-up study
Chan Hoon Kwak, Bosik Kang, Kyunghyun Nam, Jung Joo Park, Janghui Lee, Jungyo Suh, Kun Suk Kim, Sang Hoon Song
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NP-119 Comparisons of genital area lengths in boys: Association with testicular descending
Eichan Lim, Do Gyeong Lim, Seong Hyeon Yu, Kyung Jin Oh, Taek Won Kang, Kwangsun Park, Sun-Ouck Kim
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NP-120 Anterior sagittal transrectal approach for high urogenital sinus: Our preliminary results
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NP-121 The value of diagnostic laparoscopy for impalpable testis in children
Jae Seok Park, Kwanjin Park, Young Jae Im
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NP-122 Effects of desmopressin plus propiverine for the treatment of monosymptomatic primary nocturnal enuresis in children
Tae Hyung Kim, Seong Hyeon Yu, Kyung Jin Oh, Taek Won Kang, Kwangsun Park, Sun-Ouck Kim
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NP-123 Painless testicular mass in a young man: A case of cystic dysplasia of rete testes and epididymis with ipsilateral renal agenesis
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NP-124 Application 3D printing method for partial nephrectomy in Von Hippel-Lindau syndrome
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NP-125 Testosterone replacement therapy and prostate cancer; Should risk preclude prescription?
Gerard Bray
Department of Urology, Gold Coast, Australia, Gold Coast University Hospital
NP-126  Uretero-arterial fistula: A multi-disciplinary approach to diagnosis and management of a rare, life threatening condition
Catalina Palma¹, Nargus Ebrahimi¹, Jonathan Kam¹,², John Boulas¹, Scott Leslie¹,², Paul Sved¹, Arthur Vasiaras¹, Illias Drivas³, Richard Waugh³, David Eisinger¹.
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NP-127  Self-expanding large caliber ureteral stents for treatment of idiopathic ureteral stricture
Hyun Soo Lee, Wonku Hwang, Sun Bum Cho, Da Eun Han, Sun Tae Ahn, Jong Wook Kim, Mi Mi Oh, Hong Seok Park, Du Geon Moon
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NP-128  Biological potential of pectolinarin in the medicine for the management of kidney disease through their effect on enzyme systems
Dinesh Kumar Patel
Department of Department of Pharmaceutical Sciences, Sam Higginbottom University of Agriculture, Technology and Sciences, Prayagraj, India

NP-129  Percutaneous cystostomy causing suprapubic catheter ileostomy in prostate cancer patient: Case report
Department of Surgery, Tefrud Centre of Excellence in Urology and Nephrology, Institute of Urology and Nephrology, Usmanu Danfodiyo University and Teaching Hospital, Sokoto

NP-130  Intravesical recurrence according to tumor location and ureteroscopic procedure before radical nephroureterectomy in upper tract urothelial cell carcinoma patients
Gyeonghun Kim, Hyeongdong Yuk, Jahyeon Ku, Changwook Jeong, Cheol Kwak
Department of Urology, Seoul National University Hospital

NP-131  Gemcitabine-cisplatin versus MVAC chemotherapy in urothelial carcinoma: A nationwide cohort study
Se Young Choi¹, Moon Soo Ha², Jong Hyun Tae¹, Byung Hoon Chi³, In Ho Chang¹, Tae-Hyoung Kim¹, Soon Chul Myung¹, Tuan Thanh Nguyen²
¹Department of Urology, Chung-Ang University Hospital, Chung-Ang University College of Medicine, ²Department of Urology, Hyundae General Hospital, Chung-Ang University College of Medicine, ³Department of Urology, Cho Ray Hospital, University of Medicine and Pharmacy At Ho Chi Minh City

NP-132  Therapeutic potential of ginkgetin in the medicine for the treatment of urinary disorders through scientific data analysis
Dinesh Kumar Patel
Department of Department of Pharmaceutical Sciences, Sam Higginbottom University of Agriculture, Technology and Sciences, Prayagraj, Uttar Pradesh, India

NP-133  Predictive marker of the non-organ confined disease in upper urinary tract urothelial carcinoma
Sung Kyung Choi, Chan Hoon Gwak, Bumjin Lim, Cheryn Song, Dalsan You, In Gab Jeong, Jun Hyuk Hong, Choung-Soo Kim, Hanjong Ahn, Bumsik Hong, Jungyo Suh
Department of Urology, Asan Medical Center, Ulsan University College of Medicine

NP-134  To analyze the results of retrograde intrarenal surgery (RIRS) in patients with renal stone
Robin Joshi
Department of Urology Department, Kathmandu Medical College
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