The Expert-Guided Poster Tour is an innovative session type. The Tour aims to provide an interactive platform informing delegates on the real essentials and providing in-depth information on the different research projects. Poster viewing of 30 minutes after which two experts, will ask questions to individuals and groups of poster presenters.

PT058

**Novel modalities for real-time optical imaging in urological neoplasm: A systematic review**

By: Brunckhorst O.¹, Ong Q.J.¹, Elson D.², Mayer E.¹
¹St Mary’s Hospital Campus, Imperial College London, Dept. of Surgery and Cancer, London, United Kingdom, ²Imperial College London, Hamlyn Centre for Robotic Surgery, Institute of Global Health Innovation, London, United Kingdom

PT059

**Utilizing semantic segmentation method with convolutional neural net to model a partial nephrectomy simulator for 3D printing**

By: Kyung Y.S.¹, Lim B.², Choi S.Y.², Han J.H.², Lee W.², Jeong I.G.², Kim N.³, Kim C-S.²
¹Asan Medical Center, University of Ulsan College of Medicine, Dept. of Urology, Health Screening and Promotion Center, Seoul, South Korea, ²Asan Medical Center, University of Ulsan College of Medicine, Dept. of Urology, Seoul, South Korea, ³Asan Medical Center, University of Ulsan College of Medicine, Dept. of Convergence Medicine, Seoul, South Korea

PT060

**Safety, feasibility and oncologic efficacy of treatment for small renal masses using an innovative liquid nitrogen-based cryogenic device**

By: Shprits S.¹, Sachner R.², Croitoru S.², Dorfman K.², Avitan O.¹, Bahouth Z.¹, Zisman A.³, Nativ O.¹
¹Bnai Zion Medical Center, Dept. of Urology, Haifa, Israel, ²Bnai Zion Medical Center, Dept. of Radiology, Haifa, Israel, ³Assaf Harofeh Medical Center, Dept. of Urology, Be’er Ya’akov, Israel
PT061
An experimental study of the use of sodium fumarate as a nephroprotective method under warm ischemia of the kidney

By: Popov S., Guseinov R., Orlov I., Katunin A.
City Hospital Saint Luka, Dept. of Urology, Saint Petersburg, Russia

PT062
NephroCheck™ and kinetic GFR as promising markers for the early detection of acute kidney injury after partial nephrectomy: Preliminary results from a single-centre prospective study


1University of Florence, Careggi Hospital, Dept. of Urology, Florence, Italy, 2Renal and dialysis Unit, Careggi University Hospital, University of Florence, Dept. of Biomedical Experimental and Clinical Sciences 'Mario Serio', Florence, Italy, 3University of Florence, Dept. of Biomedical Experimental and Clinical Sciences 'Mario Serio', Florence, Italy, 4University of Florence, Dept. of Urology, Florence, Italy, 5Careggi University Hospital, Renal and dialysis Unit, Florence, Italy, 6AOU Careggi, University of Florence, Laboratory analysis, Florence, Italy, 7AOU Careggi, University of Florence, Dept. of Oncologic Anesthesia and Intensive Care, Florence, Italy

PT063
Obtaining a personalised 3D model of renal cell cancer with venous thrombus extension to aid in surgical planning and simulation


1Virgen del Rocio University Hospital, Dept. of Uro-Nephrology, Seville, Spain, 2Ramón y Cajal University Hospital, Dept. of Urology, Madrid, Spain, 3Virgen del Rocio University Hospital, Dept. of Radiology, Seville, Spain, 4Ramón y Cajal University Hospital, Dept. of Radiology, Madrid, Spain, 5Virgen del Rocio University Hospital, Dept. of Urology, Seville, Spain

PT064
Efficacy and safety of ultrasonic longitudinal-axis vibration for the reduction of ureteral access sheath insertion force: A randomized controlled trial in a porcine model


1Yonsei University College of Medicine, Dept. of Urology, Seoul, South Korea, 2Yonsei University College of Medicine, Dept. of Pathology, Seoul, South Korea, 3Yonsei University College of Medicine, School of Mechanical Engineering, Seoul, South Korea

PT065
Extracorporeal acoustic impact for prevention ureteral stent’s encrustation

By: Ahmetov D., Tsukanov A., Blesman A., Rogachev E., Novikov A., Negrov D.

1Omsk State Medical University, Dept. of Surgical diseases and Urology, Omsk, Russia,
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<tr>
<td>PT066</td>
<td>Impact of SuperPulse Thulium Fiber Laser settings and curve diameter on optical fiber fracture during intracorporeal lithotripsy</td>
<td>Chiron P.H.L., Doizi S., De Coninck V., Keller E.X., Berthe L., Traxer O.</td>
<td>Omsk State Medical University, Scientific and educational resource center, Omsk, Russia, Tenon Hospital, Dept. of Urology, Paris, France, Ecole Nationale Supérieure des Arts et Métiers, PIMM Laboratory, Paris, France</td>
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<td>PT067</td>
<td>Dusting efficiency comparison between Moses technology of Ho: YAG laser and superpulse thulium fiber laser</td>
<td>De Coninck V.M.J., Keller E.X., Kovalenko A., Vinnichenko V., Traxer O.</td>
<td>AZ Klina, Dept. of Urology, Brasschaat, Belgium, Tenon Hospital, Assistance-Publique Hôpitaux de Paris, Pierre et Marie Curie University, National Research Nuclear University MEPhi, Dept. of Engineering, Moscow, Russia</td>
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<td>PT068</td>
<td>Effect of fiber tip to tissue distance on resulting damage pattern: An in vitro study of four laser systems</td>
<td>Taratkin M., Enikeev D., Glybochko P., Netsch C., Becker B., Gross A.J., Rapoport L.</td>
<td>Sechenov University, Institute for Urology and Reproductive Health, Moscow, Russia, Asklepios Hospital Barmbek, Dept. of Urology, Hamburg, Germany</td>
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<td>PT069</td>
<td>Methylene blue-conjugated gold nanoparticles enhanced photoimmunotherapy for bladder cancer in T24 cell line</td>
<td>Hsu C-W., Chiu Y-C., Cheng N-C., Liao M-Y., Huang C-C.</td>
<td>Division of Urology, Department of Surgery, Zhongxiao Branch Taipei City Hospital, Dept. of Surgery, Taipei, Taiwan, Center for Micro/Nano Science and Technology and Advanced Optoelectronic Technology Center, National Cheng Kung University, Dept. of Photonics, Tainan, Taiwan, National Pingtung University, Dept. of Applied Chemistry, Pingtung, Taiwan</td>
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<td>PT070</td>
<td>Directed differentiation of feeder-free human induced pluripotent stem cells into stratified bladder urothelium</td>
<td>Suzuki K., Koyanagi-Aoi M.K-A., Uehara K.U., Hinata N.H., Fujisawa M.F., Aoi T.A.</td>
<td>Kobe University Graduate school of Medicine, Division of Urology, Kobe, Japan, Kobe University Graduate School of Science, Technology and Innovation, Division of Advanced Medical Science, Kobe, Japan, Kobe University Graduate school of Medicine, Division of Pathology, Kobe, Japan</td>
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PT071

Reducing perioperative anxiety in patients undergoing transurethral resection of bladder tumor by acupuncture treatment: A prospective randomized controlled study

By: Shprits S. 1, Meyer G. 1, Halachmi S. 1, Stoppelman N. 1, Avshalomov D. 1, Biton K. 1, Attias S. 2, Schiff E. 2, Nativ O. 1

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PT072

ACSS-eDiary to self-monitor symptomatic episodes and therapeutic outcome of uncomplicated cystitis

By: Abdufattaev U. 1, Alidjanov J.F. 2, Basitkhanov B.T. 3, Naber K.G. 4, Pilatz A. 2, Wagenlehner F.M. 2

1State Inst. Republican Specialized Scientific-Practical Medical Center of Urology, Dept. of Radiology, Tashkent, Uzbekistan, 2Justus-Liebig-University, UKGM, Dept. of Urology, Pediatric Urology and Andrology, Giessen, Germany, 3State Investment Committee of the Republic of Uzbekistan, Dept. of Energy and Chemical Industry, Tashkent, Uzbekistan, 4Technical University of Munich, Dept. of Urology, Munich, Germany

PT073

Developing a future-proof database for the European Randomized study of Screening for Prostate Cancer (ERSPC)

By: Hulsen T. 1, Van Der Linden W. 1, De Jonge C. 2, Hugosson J. 3, Auvinen A. 4, Roobol M. 5, ERSPC Consortium

1Philips Research, Dept. of Professional Health Solutions & Services, Eindhoven, The Netherlands, 2Philips Research, Dept. of Digital Platform Solutions, Eindhoven, The Netherlands, 3University of Gothenburg, Dept. of Urology, Gothenburg, Sweden, 4University of Tampere, Dept. of Epidemiology, Tampere, Finland, 5Erasmus MC, Dept. of Urology, Rotterdam, The Netherlands

PT074

A prospective randomized trial of paper versus digital PROMS follow-up in prostate cancer patients after radiation therapy: Acceptance of digital follow-up by patients

By: Myllykangas M. 1, Bergroth R.H.J. 2, Tenhunen H. 3, Hiltunen A. 3, Silander K. 3, Kouri M. 1, Rannikko A. 4

1Helsinki University Hospital, Dept. of Oncology, Helsinki, Finland, 2Helsinki University Hospital, Dept. of Urology, Helsinki, Finland, 3Aalto University, Dept. of Industrial Engineering and Management, Espoo, Finland, 4University of Helsinki, Dept. of Urology, Helsinki, Finland

PT075

A tethered laparoscopic gamma probe for radioguided surgery in prostate cancer – usability and technical feasibility evaluation in a pelvic phantom and porcine model

By: Adshead J. 1, Oldfield F. 2, Hadaschik B. 3, Everaerts W. 4, Mestre-Fusco A. 5, Newbery M. 6, Elson D. 7, Grootendorst M. 8, Vyas K. 2, Fumado L. 9, Harke N.N. 3

1The Lister Hospital, Dept. of Urology, Stevenage, United Kingdom, 2Lightpoint Medical Ltd., Dept of. Product Development, Chesham, United Kingdom, 3University Hospital Essen, Dept. of Urology, Essen, Germany, 4KU Leuven, Dept. of Urology, Leuven,
GMP-verification processes of the final product in a clinical stem cell trial to treat stress urinary incontinence

By: Prange J.A. ¹, Mohr-Haralampieva D. ¹, Alves De Sousa R.A. ¹, Schmid F. ², Eberli D. ²
¹University Zurich, Dept. of Urology, Zurich, Switzerland, ²UniversitätsSpital Zürich, Dept. of Urology, Zurich, Switzerland

Organ culture of seminiferous tubules using a modified soft agar culture system

By: Pourmand G. ¹, Gholami K. ², Koruji M. ³, Ashouri S. ², Abbasi M. ²
¹Tehran University of Medical Sciences, Urology Research Center, Tehran, Iran, ²Tehran University of Medical Sciences, Dept. of Anatomy, School of Medicine, Tehran, Iran, ³Iran University of Medical Sciences, Cellular and Molecular Research Center & Department of Anatomical Sciences, Tehran, Iran

PET/CT tracking of human muscle precursor cells and neo-vascularization for tissue engineering of skeletal muscles

By: Mohr-Haralampieva D., Salemi S., Eberli D.
University of Zurich, Dept. of Urology, Zurich, Switzerland

A novel machine-learning augmented audio-uroflowmetry – comparison with standard uroflowmetry

By: Aslim E.J. ¹, T B B. ², Ng Y.S.L. ¹, Kuo T.L.C. ¹, Chen J.S. ², Chen J. ², Ng L.G. ¹
¹Singapore General Hospital, Dept. of Urology, Singapore, Singapore, ²Singapore University of Technology and Design, Information Systems Technology and Design, Singapore, Singapore

New biomaterials alternative to small intestinal submucosa (SIS) for urethral stricture repair

By: Vulpi M. ¹, Gallo N. ², Salvatore L. ², Vitarelli A. ¹, Sallustio F. ³, Curci C. ³, Divella C. ³, Gallone A. ³, Gervaso F. ⁴, Ditonno P. ¹, Sannino A. ²
¹University of Bari, Dept. of Urology and Andrology Unit, Department of Emergency and Organ Transplantation, Bari, Italy, ²University of Salento, Dept. of Engineering for Innovation, Lecce, Italy, ³University of Bari, Dept. of Basic Medical Sciences, Neuroscience and Sense Organs, Bari, Italy, ⁴CNR Nanotech, Institute of Nanotechnology, Lecce, Italy

A new urethral catheterisation device for safe urethral catheterisation in difficult cases
PT083  A novel urinary catheter for use in haematuria

By: Kesavan A. 1, Pha M.T.N. 2
1National University Health System, Dept. of Urology, Singapore, Singapore, 2National University of Singapore, Dept. of Industrial Design, Singapore, Singapore

PT084  The screening of deep venous thrombosis in patients undergoing urological surgery

By: Tatarano S., Enokida H., Yonemori M., Eura R., Yoshino H., Nishimura H., Yamada Y., Nakagawa M.
Kagoshima University, Dept. of Urology, Kagoshima, Japan

PT085  A simple novel surgical technique for penile elongation: Compensation for tunical plication in Peyronie’s disease

By: Lee D.H., Kim S.W., Ahn S.T., Kim J.W., Moon D.G.
Korea University, College of Medicine, Dept. of Urology, Seoul, South Korea

PT086  Transgender and adolescence: Is online information accurate or misleading?

By: Dunford C., Gresty H., Takhar M., Morley R., Rashid T.
Imperial College Healthcare NHS Trust, Dept. of Urology, London, United Kingdom