

New technologies in minimally invasive techniques and new imaging techniques

Poster Session 05

Friday, 24 March
10:45 - 12:15

Location: Room Berlin, North Hall (Level 1)

Chairs: T. Ahlering, Orange (US)
H. Fukushima, Tokyo (JP)
F. Greco, Crotone (IT)

Aims and objectives of this session

To assess the horizon for new technologies for minimally invasive treatments and intraoperative imaging

Poster viewing of 20 minutes. Presentations will take place on stage. Standard presentations are 2 minutes in length, followed by 2 minutes for discussion.

- 63 **Novel three-dimensional bone 'mapping' software can help assess progression of osseous prostate cancer metastases from routine CT**
By: [Thurtle D.](#)¹, [Treece G.](#)², [Barrett T.](#)³, [Gnanapragasam V.](#)¹
Institutes:¹University of Cambridge, Dept. of Urology, Cambridge, United Kingdom, ²University of Cambridge, Dept. of Engineering, Cambridge, United Kingdom, ³University of Cambridge, Dept. of Radiology, Cambridge, United Kingdom
- 64 **Percutaneous unroofing-less invasive approach for renal cyst management**
By: [Hu J.](#), [Yu X.](#), [Wang S.](#), [Ye Z.](#)
Institutes:Tongji Hospital, Tongji Medical College, Huazhong University Of Science And Technology, Dept. of Urology, Wuhan, China
- 65 **Transurethral en bloc resection of bladder tumor with a dual channelized flexible cystoscope using an Impact Shooter: Preliminary results in human cadavers embalmed by Thiel's model**
By: [Morizane S.](#)¹, [Maeda T.](#)², [Nishikawa R.](#)¹, [Honda M.](#)¹, [Ikebuchi Y.](#)³, [Matsumoto K.](#)³, [Ueki M.](#)⁴, [Masumori N.](#)², [Fujimiya M.](#)⁵, [Takenaka A.](#)¹
Institutes:¹Tottori University, Faculty of Medicine, Dept. of Urology, Yonago, Japan, ²Sapporo Medical University School of Medicine, Dept. of Urology, Sapporo, Japan, ³Tottori University, Faculty of Medicine, Dept. of Gastroenterology, Yonago, Japan, ⁴Tottori University Hospital, Center for Promoting Next-Generation Highly Advanced Medicine, Yonago, Japan, ⁵Sapporo Medical University School of Medicine, Dept. of Anatomy, Sapporo, Japan
- 66 **3D prostate MRI reconstruction for cognitive robot assisted radical prostatectomy: Is it able to reduce the positive surgical margin rate?**
By: [Porpiglia F.](#), [Manfredi M.](#), [Checcucci E.](#), [Mele F.](#), [Bertolo R.](#), [De Luca S.](#), [Garrou D.](#), [Cattaneo G.](#), [Amparore D.](#), [Fiori C.](#)
Institutes:San Luigi Hospital, Dept. of Urology, Turin, Italy
- 67 **Evaluation of ex-vivo and in-vivo biomarkers in different stages of prostatic cancer**
By: [Theil G.](#), [Schietering C.](#), [Kersten K.](#), [Schumann A.](#), [Fornara P.](#)
Institutes:Clinic of Urology and Kidney Transplantation Center, Dept. of Martin-Luther University, Halle/Saale, Germany
- 68 **Hypothermic nerve-sparing radical prostatectomy facilitates earlier recovery of potency at one year**
By: [Ko Y-H.](#), [Skarecky D.](#), [Huynh L.](#), [Ahlering T.](#)
Institutes:University of California, Irvine, Dept. of Urology, Orange, United States of America

- 69 **Novel ex vivo endoscopic near infrared fluorescence imaging method using pHLIP®/ICG in patients undergoing radical cystectomy for urothelial carcinoma of the bladder**
 By: Brito J.¹, Golijanin B.¹, Tran T.¹, Moshnikova A.², Gershman B.¹, Engelman D.³, Reshetnyak Y.², Andreev O.², Amin A.⁴, Golijanin D.¹
 Institutes:¹Rhode Island Hospital and The Miriam Hospital, Dept. of Urology, Providence, United States of America, ²University of Rhode Island, Dept. of Physics, Kingston, United States of America, ³Yale University, Molecular Biophysics and Biochemistry, New Haven, United States of America, ⁴Rhode Island Hospital and The Miriam Hospital, Dept. of Pathology, Providence, United States of America
- 70 **Application of the radio-guided occult lesion localization (ROLL) technique for renal lumpectomy (RE-ROLL): From the laboratory to the patient**
 By: Vera Donoso C.D.¹, Betancourt-Hernandez J.¹, Martinez-Sarmiento M.¹, Monserrat-Monfort J.J.¹, Avargues-Pardo A.¹, Vera-Pinto V.², Sopena-Navales P.², Torres-Espallardo I.², Bello-Jarque P.², Boronat-Tormo F.¹
 Institutes:¹La Fe, University and Polytechnic Hospital, Dept. of Urology, Valencia, Spain, ²La Fe, University and Polytechnic Hospital, Dept. of Nuclear Medicine, Valencia, Spain
- 71 **Mini-laparoendoscopic single-site partial nephrectomy with early unclamped technique for renal tumors with intermediate PADUA score (IDEAL phase 2a)**
 By: Greco F.¹, Alba S.², Bottone F.², Mohammed N.¹, Kawan F.¹, Mirone V.³, Fornara P.¹
 Institutes:¹Martin-Luther University, Dept. of Urology, Halle Saale, Germany, ²Romolo Hospital, Dept. of Urology, Rocca Di Neto, Italy, ³Federico II University, Dept. of Urology, Naples, Italy
- 72 **Mechanical vs magnetic stone fragment retrieval. A new magnetic paint**
 By: Bozzini G.¹, Vismara R.², Redelli A.², Fiore B.², Romero Otero J.³, Provenzano M.⁴, Buffi N.⁴, Guazzoni G.F.⁴, Taverna G.¹
 Institutes:¹Humanitas Mater Domini, Dept. of Urology, Castellanza, Italy, ²Politecnico Di Milano, BioEngineering, Milan, Italy, ³Hospital 12 De Octubre, Dept. of Urology, Madrid, Spain, ⁴Humanitas University, Dept. of Urology, Rozzano, Italy
- 73 **Thulium laser vapo-enucleation of the prostate according to the mushroom technique: Preliminary results**
 By: Kara N., Codas Duarte R., Fassy Fehri H.
 Institutes:Hôpital Édouard-Herriot, Dept. of Urology, Lyon, France
- 74 **Utility of diffusion-weighted magnetic resonance imaging of testes in azoospermia: Correlation between apparent diffusion coefficient and histological patterns of spermatogenesis**
 By: Han B.H.¹, Park S.B.², Choe J.H.³, Seo J.T.⁴, Chun Y.K.⁵
 Institutes:¹Cheil General Hospital, Dankook University College Of Medicine, Dept. of Radiology, Seoul, South Korea, ²Chung-Ang University College of Medicine, Dept. of Radiology, Seoul, South Korea, ³Cheil General Hospital, Dankook University College Of Medicine, Dept. of Urology, Seoul, South Korea, ⁴Cheil General Hospital, Dankook University College of Medicine, Dept. of Urology, Seoul, South Korea, ⁵Cheil General Hospital, Dankook University College of Medicine, Dept. of Pathology, Seoul, South Korea