Urine based diagnosis of urothelial cancer

Poster Session 74

Monday 19 March
14:00 - 15:30

Location: Green Area, Room 2 (Level 0)
Chairs: L. Dyrskjøt, Aarhus (DK)
N. Tanaka, Kashihara (JP)
T.W. Todenhöfer, Tübingen (DE)

Poster viewing of 20 minutes. Presentations will take place on stage. Standard presentations are 2 minutes in length, followed by 2 minutes for discussion. Extended presentations (*) are 3 minutes in length, followed by 3 minutes for discussion.

1009 DNA methylation of a panel of genes as a urinary biomarker for diagnosis of bladder cancer

By: Georgopoulos P. 1, Apostolidis A. 1, Fragkou E. 2, Papaioannou M. 2, Ioannidis I-E. 1, Markopoulou S. 3

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1003 Prospective validation of a diagnostic urine test for bladder cancer: The HEMAturia study

By: Van Kessel K. 1, De Jong J. 1, Ziel-Van Der Made A. 1, Roshani H. 2, Haensel S. 3, Van Montfrans-Wolterbeek J. 3, Boeve E. 4, Oomens E. 5, Van Casteren N. 6, Boormans J. 7, Van Criekinge W. 8, Zwarthoff E. 1

1 Erasmus MC Cancer Institute, Erasmus Medical Center, Dept. of Pathology, Rotterdam, Netherlands, The, 2 HagaZiekenhuis, Dept. of Urology, The Hague, Netherlands, The, 3 Havenziekenhuis, Dept. of Urology, Rotterdam, Netherlands, The, 4 Franciscus Hospital, Dept. of Urology, Rotterdam, Netherlands, The, 5 Amphia Hospital, Dept. of Urology, Breda, Netherlands, The, 6 IJsselland Hospital, Dept. of Urology, Capelle a/d IJssel, Netherlands, The, 7 Erasmus MC Cancer Institute, Erasmus Medical Center, Dept. of Urology, Rotterdam, Netherlands, The, 8 MDxHealth, SEO, Irvine, United States of America

1004 Urine cell based DNA methylation classifier for monitoring bladder cancer

By: Van Der Heijden A. 1, Mengual L. 2, Ingelmo-Torres M. 2, Lozano J.J. 3, Van Rijt-Van De Westerlo C. 1, Sousa C. 2, Geavlete B. 4, Moldoveanu C. 4, Ene C. 4, Dinney C. 5, Czerniak B. 5, Schalken J. 1, Kiemeney L. 1, Ribal M. 2, Witjes A. 1, Alcaraz A. 2

1 Radboud University Medical Center, Dept. of Urology, Nijmegen, Netherlands, The, 2 Hospital Clinic, Dept. and Laboratory of Urology, Barcelona, Spain, 3 CIBERehd, Bioinformatic Platform, Barcelona, Spain, 4 Saint John Emergency Clinical Hospital, Dept.
Diagnostic predictive value of Xpert bladder cancer monitor in the follow up of patients affected by non muscle invasive bladder cancer (NMIBC)

By: D'Elia C.¹, Pycha A.², Hanspeter E.³, Trenti E.¹, Palermo S.¹, Pycha A.¹, Mian C.³

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Comprehensive genomic profiling of neuroendocrine bladder cancer pinpoints molecular origin and potential therapeutics

By: Zhang R.¹, Zhuang G.², Chen H.¹, Shen P.², Jing Y.², Xue W.¹, Huang Y.¹

¹Ren Ji Hospital, School of Medicine, Shanghai Jiao Tong University, Dept. of Urology, Shanghai, China, ²Ren Ji Hospital, School of Medicine, Shanghai Jiao Tong University, State Key Laboratory of Oncogenes and Related Genes, Renji-Med X Clinical Stem Cell Research Center, Shanghai, China

Aberrant N-glycosylation profile of serum immunoglobulins is a diagnostic biomarker of urothelial carcinomas

By: Tanaka T.¹, Yoneyama T.¹, Noro D.¹, Imanishi K.¹, Yuta K.¹, Tobisawa Y.¹, Mori K.¹, Yamamoto H.¹, Imai A.¹, Hatakeyama S.¹, Hashimoto Y.¹, Koie T.¹, Tanaka M.², Nishimura S.², Kurauchi S.³, Takahashi I.⁴, Ohyama C.¹

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MALBAC-based whole genome abnormality score (WGAS): A new concept technique shows its potential in non-invasive diagnosis of bladder cancer

By: Liu H.¹, Lin T.¹, Ouyang N.², He W.¹, Wang B.¹, Xu K.¹, Lu S.³, Huang J.¹

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A novel non-invasive aid for bladder cancer diagnosis: A prospective, multi-centre study to evaluate the ADXBLADDER test

By: Dudderidge T.¹, Nabi G.², Mom J.³, Umez-Eronini N.⁴, Hrouda D.⁵, Cresswell J.⁶, McCracken S.⁷

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| Session | Title                                                                 | Authors                                                                                                                                       | Institutions                                                                                     |
|---------|----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| 1011    | Withdrawn                                                            |                                                                                                                                             |
| 1012    | What is the role of urinary cytology as part of haematuria investigations? Results of a prospective observational study (DETECT I) | Tan W.S.¹, Feber A.², Sarpong R.¹, Jalil R.¹, Khetrapal P.¹, Rodney P.¹, Dong L.³, Rezaee S.³, Wiliams N.¹, Brew-Graves C.¹, Kelly J.¹ | Hospital, Dept. of Urology, Whitehaven, United Kingdom, The Cumberland Infirmary, Dept. of Urology, Carlisle, United Kingdom, James Cook University Hospital, Dept. of Urology, London, United Kingdom, James Cook University Hospital, Dept. of Urology, Middlesbrough, United Kingdom, Sunderland Royal Hospital, Dept. of Urology, Sunderland, United Kingdom |
| 1013    | “Sniffing bladder cancer” – detection of bladder tumours with an electronic nose and ion mobility spectrometry | Heers H.¹, Gut J.M.¹, Hegele A.¹, Hofmann R.¹, Boeselt T.², Hattesohl A.², Baumbach J.³, Koczulla A.R.² | Philipps-Universität Marburg, Dept. of Urology and Paediatric Urology, Marburg, Germany, Philipps-Universität Marburg, Dept. of Pulmonology, Marburg, Germany, Reutlingen University, Dept. of Applied Chemistry, Reutlingen, Germany |
| 1014    | Detection of urothelial carcinoma using selected urine-DNA methylation biomarkers in patients with gross hematuria | Xiong G., Guo R., Li X., Zhang K., Zhou L. | Peking University First Hospital, Dept. of Urology, Beijing, China |
| 1015    | Invasion-associated miRNA signatures as possible diagnostic biomarker of muscle invasive bladder cancer using tissue and urinary exosomes | Baumgart S.¹, Meschkat P.¹, Edelmann P.¹, Viertel C.¹, Pryanlukhin A.², Bohle R.³, Stoeckle M.¹, Hartmann A.⁴, Heinzelmann J.¹, Junker K.¹ | Saarland University Medical Center, Dept. of Urology and Pediatric Urology, Homburg, Germany, University Hospital Bonn, Dept. of Pathology, Bonn, Germany, Saarland University Medical Center, Dept. of Pathology, Homburg, Germany, University Hospital Erlangen, Dept. of Pathology, Erlangen, Germany |
| 1016    | Is the diagnostic routine evaluation necessary for patients with microscopic hematuria during anticoagulant therapy to detect urinary tract malignancy? | Moon K.H., Choi J.Y., Ko Y.H., Song P.H., Jung H.C. | Yeungnam University Medical Center, Dept. of Urology, Daegu, Korea, South |