

## Prostate biopsy: Improving safety, quality and efficacy

Poster Session 47

Sunday, 26 March  
14:00 - 15:30

**Location:** Room Munich, North Hall (Level 1)

**Chairs:** S. Kruck, Tübingen (DE)  
V. Fradet, Quebec (CA)  
R.F. Van Velthoven, Brussels (BE)

### Aims and objectives of this session

This session will evaluate, interactively discuss and critique recent submitted evidence about prostate cancer biopsy techniques and protocols. An emphasis will be placed on innovative techniques an approaches to increase procedural safety and diagnostic accuracy, and patient experience.

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

- 627 **Comparison of patient experience after transperineal template prostate biopsy with prior transrectal ultrasound guided prostate biopsy**  
By: [Bhatt N.](#), Haroon U., Akram M., Drumm J., Flood H., Giri S.  
**Institutes:**University Hospital Limerick, Dept. of Urology, Limerick, Ireland
- 628 **Complications following extended transperineal template mapping MRI/TRUS fusion biopsy of the prostate – initial experience from 421 procedures**  
By: [Gross O.](#), Kaufmann B., Mortezaei A., Maerzendorfer O., Sulser T., Eberli D.  
**Institutes:**University Hospital Zurich, Dept. of Urology, Zürich, Switzerland
- 629 **Absence of learning curve impact may let MRI-TRUS fusion guided biopsy up for early diagnosis of prostate cancer**  
By: [Lista G.](#)<sup>1</sup>, Lughezzani G.<sup>1</sup>, Lazzeri M.<sup>1</sup>, Bini V.<sup>2</sup>, Hurle R.<sup>1</sup>, Buffi N.<sup>1</sup>, Cardone P.<sup>1</sup>, Casale P.<sup>1</sup>, Pasini L.<sup>1</sup>, Zandegiacomo Dezorzi S.<sup>1</sup>, Peschechera R.<sup>1</sup>, Bozzini G.<sup>3</sup>, Maffei D.<sup>4</sup>, Guazzoni G.<sup>4</sup>  
**Institutes:**<sup>1</sup>Istituto Clinico Humanitas, Irccs, Dept. of Urology, Milan, Italy, <sup>2</sup>Università Degli Studi Di Perugia, Dept. of Medicine, Perugia, Italy, <sup>3</sup>Humanitas Mater Domini, Dept. of Urology, Varese, Italy, <sup>4</sup>Istituto Clinico Humanitas, Irccs, Humanitas University, Dept. of Urology, Milan, Italy
- 630 **Prospective comparison of a 1.5T fast magnetic resonance imaging (MRI) protocol and the 3T multi-parametric MRI ESUR protocol as triage test for men with an elevated PSA**  
By: [Vannieuwenhove S.](#)<sup>2</sup>, Thiry S.<sup>1</sup>, Annet L.<sup>2</sup>, Butoescu V.<sup>1</sup>, Lecouvet F.<sup>2</sup>, Tombal B.<sup>1</sup>  
**Institutes:**<sup>1</sup>Cliniques Universitaires Saint-Luc, Dept. of Urology, Brussels, Belgium, <sup>2</sup>Cliniques Universitaires Saint-Luc, Dept. of Radiology, Brussels, Belgium
- 631 **Antimicrobial lubricant reduces rectal bacteria at transrectal prostate biopsy. Results from a large prospective randomized trial**  
By: Salomon G.<sup>2</sup>, Prues S.<sup>2</sup>, Saul J.<sup>2</sup>, Budäus L.<sup>2</sup>, Tilki D.<sup>2</sup>, Graefen M.<sup>2</sup>, Haferkamp A.<sup>1</sup>, [Boehm K.](#)<sup>1</sup>  
**Institutes:**<sup>1</sup>University Medical Center, Johannes Gutenberg University, Dept. of Urology and Pediatric Urology, Mainz, Germany, <sup>2</sup>University Medical Center, Martini-Clinic, Hamburg, Germany
- 632 **Rectal swab cultures and targeted prophylactic antimicrobial regimes do not reduce the risk of sepsis following transrectal prostate biopsy**  
By: [Mulhem W.](#), Hadjipavlou M., Erakat M., Kenny C., Cooke A., Hammadeh M.  
**Institutes:**Queen Elizabeth Hospital, Woolwich, Dept. of Urology, London, United Kingdom
- 633 **A prospective randomized trial of povidone-iodine suppository before transrectal ultrasound**

**guided prostate biopsy**

By: Lee I.J., Lee S., Lee S.E., Chung Y.S., Song B.D., Hong S.K., Lee H., Kim T.J.

Institutes: Seoul National University Bundang Hospital, Dept. of Urology, Seongnam-Si, South Korea

634 **Prevalence and significance of fluoroquinolone-resistant bacteria carriage in patients undergoing trans rectal ultra-sonography prostate biopsy**

By: Pourmand G.<sup>1</sup>, Hasanzadeh A.<sup>2</sup>, Pourmand M.R.<sup>2</sup>, Alizadeh A.<sup>3</sup>

Institutes: <sup>1</sup>Tehran University of Medical Sciences, Urology Research Center, Tehran, Iran, <sup>2</sup>Tehran University of Medical Sciences, Dept. of Pathobiology, Tehran, Iran, <sup>3</sup>Tehran University of Medical Sciences, Dept. of Epidemiology and Biostatistics, Tehran, Iran

635 **Cribriform pattern is highly predictive factor of biochemical recurrence in positive surgical margin patients**

By: Ku J.Y., Lee C.H., Lee K., Kim K.H., Baek S.R., Park J.H., Lee J.Z., Park H.J., Han S.H., Jeong I.Y., Kwon M.J., Ha H.K.

Institutes: Pusan National University Hospital, Dept. of Urology, Busan, South Korea

636 **Role of dynamic contrast-enhanced (DCE) sequences in mpMRI prostate cancer diagnosis evaluated by 5 radiology residents**

By: Callaris G.<sup>1</sup>, Marra G.<sup>1</sup>, Oderda M.<sup>1</sup>, Giglio J.<sup>2</sup>, Misichi F.<sup>2</sup>, Cimpoesu P.<sup>2</sup>, Gentile F.<sup>2</sup>, Bergamasco L.<sup>3</sup>, Molinaro L.<sup>4</sup>, Frea B.<sup>1</sup>, Faletti R.<sup>2</sup>, Fonio P.<sup>2</sup>, Gontero P.<sup>1</sup>

Institutes: <sup>1</sup>University of Turin, Dept. of Surgical Sciences, Urology, Turin, Italy, <sup>2</sup>University of Turin, Dept. of Surgical Sciences, Radiology Unit, Turin, Italy, <sup>3</sup>University of Turin, Dept. of Surgical Sciences, Turin, Italy, <sup>4</sup>University of Turin, Dept. of Medical Sciences, Pathology Unit, Turin, Italy

637 **Cost-effectiveness analysis of magnetic resonance imaging-ultrasound fusion biopsy versus systematic transrectal ultrasound-guided biopsy in diagnosing prostate cancer**

By: Ingham M., Mossanen M., Wang Y., Chang S.

Institutes: Brigham and Women's Hospital, Harvard Medical School, Dept. of Urology, Boston, United States of America

638 **Diagnostic performance of multiparametric MRI in prostate cancer: Per core analysis of three prospective ultrasound/MRI fusion biopsy datasets**

By: Ferriero M.<sup>1</sup>, Giacobbe A.<sup>2</sup>, Papalia R.<sup>3</sup>, Collura D.<sup>2</sup>, Altobelli E.<sup>3</sup>, Mastroianni R.<sup>3</sup>, Tuderti G.<sup>1</sup>, Minisola F.<sup>1</sup>, Misuraca L.<sup>1</sup>, Guaglianone S.<sup>1</sup>, Muto G.<sup>3</sup>, Gallucci M.<sup>1</sup>, Simone G.<sup>1</sup>

Institutes: <sup>1</sup>Regina Elena National Cancer Institute, Dept. of Urology, Rome, Italy, <sup>2</sup>San Giovanni Bosco Hospital, Dept. of Urology, Turin, Italy, <sup>3</sup>Campus Bio-Medico University, Dept. of Urology, Rome, Italy

639 **Withdrawn**

By:

Institutes:

V42 **Robotic MRI/US fusion transperineal biopsy using the iSR'obot Mona Lisa: Technique, safety and accuracy**

By: Patel A.<sup>1</sup>, Servian P.<sup>1</sup>, Winkler M.<sup>1</sup>, Tiong L.C.<sup>2</sup>, Yuen J.<sup>3</sup>, Ho H.<sup>3</sup>, Chen K.<sup>3</sup>, Kruck S.<sup>4</sup>, Grummet J.<sup>5</sup>

Institutes: <sup>1</sup>Imperial Healthcare NHS Trust, Dept. of Urology, London, United Kingdom, <sup>2</sup>Ziocom Group, Singapore, Singapore, <sup>3</sup>Singapore General Hospital, Dept. of Urology, Singapore, Singapore, <sup>4</sup>University Hospital Tübingen, Dept. of Urology, Tübingen, Germany, <sup>5</sup>Monash University, Dept. of Urology, Melbourne, Australia