

Infertility: Basic to clinical

Poster Session 43

Sunday, 26 March
14:00 - 15:30

Location: Room Berlin, North Hall (Level 1)

Chairs: G.R. Dohle, Rotterdam (NL)
Z. Kopa, Budapest (HU)
P. Verze, Naples (IT)

Aims and objectives of this session

This session will introduce the audience to the newest pre-clinical and clinical developments in male factor infertility.

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.

- 575 **Single nucleotide polymorphisms within the novel testis-specific Haspin gene encoding a serine/threonine protein kinase in human male infertility**
By: Miyagawa Y.¹, Soda T.¹, Ueda N.¹, Fukuhara S.¹, Kiuchi H.¹, Tsujimura A.², Tanaka H.³, Nonomura N.¹
Institutes:¹Osaka University Graduate School of Medicine, Dept. of Urology, Suita, Japan, ²Juntendo University Urayasu Hospital, Dept. of Urology, Urayasu, Japan, ³Nagasaki International University, Faculty of Pharmaceutical Sciences, Sasebo, Japan
- 576 **Does detection of DDX4 mRNA in cell free seminal plasma represents a reliable non-invasive germ cell marker in patients with non-obstructive azoospermia?**
By: Abdallah W.², Hashad D.³, Abdelmaksoud R.², Hashad M.M.E.¹
Institutes:¹University of Alexandria, Dept. of Urology, Alexandria, Egypt, ²University of Alexandria, Dept. of Dermatology, Venereology and Andrology, Alexandria, Egypt, ³University of Alexandria, Dept. of Clinical Pathology, Alexandria, Egypt
- 577 **Therapeutic effect of RIPK1 inhibitor in testicular ischemia-reperfusion**
By: Ohira S.¹, Hara R.¹, Tone S.², Nagai A.¹
Institutes:¹Kawasaki Medical School, Dept. of Urology, Kurashiki City, Japan, ²Graduate School of Tokyo Denki University, Dept. of Life Science and Engineering, Hatoyama-Cho, Japan
- *578 **Formation of the human sperm reservoir and its major players**
By: Bour S.¹, Paschold R.¹, Alba-Alejandre I.², Becker A.¹, Stief C.¹, Koelle S.³, Trottmann M.¹
Institutes:¹University of Munich, Dept. of Urology, Munich, Germany, ²University of Munich, Dept. of Gynecology, Munich, Germany, ³University College Dublin, Dept. of Developmental Biology, Dublin, Ireland
- 579 **Effect of electromagnetic wave from cellular phone on the spermatogenesis: Development of an experimental model**
By: Oh J.J., Kim K., Kook H.R., Kim T.J., Lee I.J., Song B.D., Jung Y.S., Lee D.H., Byun S-S., Lee S.E., Lee S., Hong S.K.
Institutes:Seoul National University Bundang Hospital, Dept. of Urology, Seongnam, South Korea
- 580 **Effects of smoking on the glycocalix of human spermatozoa**
By: Paschold R., Bour S., Becker A., Stief C., Trottmann M.
Institutes:Ludwig-Maximilians-University Munich, Dept. of Urology, Munich, Germany
- 581 **Oxidative stress alterations in the epididymis and testis in a nicotine-exposed rat model**

By: Tsounapi P.¹, Honda M.¹, Dimitriadis F.², Shimizu S.³, Kawamoto B.¹, Kimura Y.¹, Hikita K.¹, Saito M.³, Sofikitis N.², Takenaka A.¹

Institutes:¹Tottori University Faculty of Medicine, Dept. of Urology, Yonago, Japan, ²University of Ioannina School of Medicine, Dept. of Urology, Ioannina, Greece, ³Kochi Medical School, Dept. of Pharmacology, Nankoku, Japan

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Heavy cigarette smoking is the most detrimental factor for sperm DNA fragmentation – results of a cross-sectional study in primary infertile men

By: Boeri L.¹, Pederzoli F.², Ventimiglia E.², Capogrosso P.², Cazzaniga W.², Frego N.², Oreggia D.², Scano R.³, Montanari E.¹, Gaboardi F.³, Montorsi F.², Salonia A.²

Institutes:¹IRCCS Fondazione Ca' Granda - Ospedale Maggiore Policlinico, Dept. of Urology, Milan, Italy, ²IRCCS San Raffaele Hospital/ University Vita-Salute San Raffaele, Division of Oncology, Unit of Urology, Milan, Italy, ³IRCCS San Raffaele Hospital, Division of Oncology, Unit of Urology, Milan, Italy

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Clinical and experimental studies suggest a novel cause of male infertility: Deficiency in expression of sperm phospholipase C

By: Dimitriadis F.¹, Tsounapi P.², Vlachopoulou E.³, Matthaïou I.³, Zachariou A.³, Giannakis J.³, Takenaka A.², Sofikitis N.³

Institutes:¹Aristotle University, Dept. of Urology, Thessaloniki, Greece, ²Tottori University, Dept. of Urology, Yonago, Japan, ³Ioannina University, Dept. of Urology, Ioannina, Greece

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The evolving profile of comorbidities in infertile men: Results from a 10-years follow-up cohort study

By: Ventimiglia E.¹, Cazzaniga W.¹, Pederzoli F.¹, Frego N.¹, Chierigo F.¹, Capogrosso P.¹, Boeri L.², Alfano M.³, Scano R.³, Mirone V.⁴, Montorsi F.¹, Salonia A.¹

Institutes:¹IRCCS San Raffaele Hospital/ University Vita-Salute San Raffaele, Dept. of Oncology and Urology; URI, Milan, Italy, ²IRCCS Ca' Granda Hospital Maggiore Policlinico, Dept. of Urology, Milan, Italy, ³IRCCS San Raffaele Hospital, Dept. of Oncology and Urology; URI, Milan, Italy, ⁴University of Naples Federico II, Dept. of Urology, Naples, Italy

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Male infertility is a risk for depression and low self-esteem: Prospective, case-control, clinical study

By: Basar M.M.², Kendirci M.¹, Alkan E.², Semiz A.², Sirin H.³, Balbay D.²

Institutes:¹Istinye University, Faculty of Medicine, Liv Hospital Ulus, Dept. of Urology, Istanbul, Turkey, ²Memorial Sisli Hospital, Dept. of Urology, Istanbul, Turkey, ³Arnavutköy State Hospital, Dept. of Urology, Istanbul, Turkey

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Male infertility is associated with altered treatment course of men with cancer

By: Eminaga O.¹, Shufeng L.², Brooks J.², Eisenberg M.²

Institutes:¹Univeristy Hospital of Cologne, Dept. of Urology, Cologne, Germany, ²Stanford University, School of Medicine, Stanford, United States of America

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How realistic is endoscopic vasectomy? An ex-vivo study on feasibility and certainty of endoluminal occlusion of porcine vas deferens

By: Schlager D.¹, Maas J.M.¹, Spittau B.², Leiber C.¹, Wetterauer U.¹, Diemer T.³, Weidner W.³, Schönthaler M.¹, Miernik A.¹

Institutes:¹University Medical Center Freiburg, Dept. of Urology, Freiburg, Germany, ²University Medical Center Freiburg, Dept. of Anatomy, Freiburg, Germany, ³University Hospital Giessen, Dept. of Urology, Pediatric Urology and Andrology, Giessen, Germany

15:17 - 15:24

Summary

Z. Kopa, Budapest (HU)