Infertility: Basic to clinical
Poster Session 43

**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.**

---

**Abstracts:**

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:**
- Osaka University Graduate School of Medicine, Dept. of Urology, Suita, Japan, ¹
- Juntendo University Urayasu Hospital, Dept. of Urology, Urayasu, Japan, ²
- Nagasaki International University, Faculty of Pharmaceutical Sciences, Sasebo, Japan, ³

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:**
- University of Alexandria, Dept. of Urology, Alexandria, Egypt, ¹
- University of Alexandria, Dept. of Dermatology, Venereology and Andrology, Alexandria, Egypt, ²
- University of Alexandria, Dept. of Clinical Pathology, Alexandria, Egypt, ³

577

**Therapeutic effect of RIPK1 inhibitor in testicular ischemia-reperfusion**

**By:** Ohira S.¹, Hara R.¹, Tone S.², Nagai A.¹

**Institutes:**
- Kawasaki Medical School, Dept. of Urology, Kurashiki City, Japan, ¹
- Graduate School of Tokyo Denki University, Dept. of Life Science and Engineering, Hatoyama-Chō, 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.², Trottmann M.¹

**Institutes:**
- University of Munich, Dept. of Urology, Munich, Germany, ¹
- University of Munich, Dept. of Gynecology, Munich, Germany, ²
- University College Dublin, Dept. of Developmental Biology, Dublin, Ireland

579

**Effect of electromagnetic wave from cellular phone on the spermatogenesis: Development of an experimental model**


**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**
582

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.1, Capogrosso P.1, Cazzaniga W.2, Frego N.2, Oreggia D.2, Scano R.1, Montanari E.1, Gaboardi F.2, Montorsi F.2, Salonia A.1

Institutes:1 IRCCS 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

583

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


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

584

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:1 IRCCS 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

585

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:1 Istinye 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

586

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

By: Eminaga O.1, Shufeng L.2, Brooks J.3, Eisenberg M.3

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

587

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:1 University 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)