

6th European Congress of Andrology, Megaron Moussikis, Athens, Greece
Scientific Programme

Wednesday 29.09.10

Nikos Skalkotas Auditorium

10:00–12:00

Satellite event 1: Osteoporosis in the male

Chairpersons • G. P. Lyritis (GRE), S. Tournis (GRE)
The emerging role of estrogens in male bone fragility • L. Gennari (ITA)
Osteoporotic vertebral fractures in males • G. P. Lyritis (GRE)
Management of osteoporosis in the male • P. D. Papapetrou (GRE)

12:00–14:00

Symposium 1: Erectile dysfunction

Chairpersons • S. Francavilla (ITA), D. Hatzichristou (GRE)
Is erectile dysfunction an indicator of poor health? • D. Hatzichristou (GRE)
Nerve-preserving prostatectomy • M. Trottmann (GER)
Extra-gonadal functions of PDE5-inhibitors • M. Maggi (ITA)

Hall A

12:00–14:00

Selected oral presentations 1 (O1-1–O1-12)

Chairpersons • P. Saunders (UK), L. Kontogeorgos (GRE)

O1-01

Glutathione peroxidase 5 controls spermatozoa integrity and embryo viability

E. CHABORY, R. CADET, F. SAEZ, P. VERNET and J. R. DREVET
GREd, CNRS UMR 6247 – INSERM U931 – Clermont Université, 24, avenue des
Landais 63177 Aubière cedex, France

O1-02

An in vivo study on adjuvin and blood-testis barrier dynamics

I. KOPERA¹, L. SU², B. BILINSKA¹, C. Y. CHENG² and D. D. MRUK²
¹Department of Endocrinology and Tissue Culture, Institute of Zoology, Jagiellonian
University, Krakow, Poland; ²Population Council, Center for Biomedical Research, New York, USA

O1-03

Testosterone substitution inhibits the development of experimental autoimmune orchitis in rat

M. FIJAK¹, E. SCHNEIDER¹, G. SCHULER², M. WYGRECKA³, J. GROMOLL⁴ and
A. MEINHARDT¹
¹Department of Anatomy and Cell Biology; ²Clinic for Obstetrics, Gynecology and Andrology
of Large and Small Animals; ³Department of Biochemistry, Faculty of
Medicine, Justus-Liebig-University, Giessen, Germany; ⁴Centre of Reproductive
Medicine and Andrology, University of Muenster, Germany

O1-04

Sex steroid receptors in male human bladder: expression and biological function

A. K. CHAVALMANE¹, P. COMEGLIO¹, A. MORELLI¹, S. FILIPPI¹, B. FIBBI¹,
L. VIGNOZZI¹, E. SARCHIELLI², M. MARCHETTA¹, P. FAILLI³, P. SANDNER⁴,
F. SAAD⁴, M. GACCI⁵, G. B. VANNELLI² and M. MAGGI¹
¹Sexual Medicine and Andrology Unit, Department of Clinical Physiopathology; ²Department
of Anatomy, Histology and Forensic Medicine; ³Department of Pharmacology, University
of Florence, Florence, Italy; ⁴Bayer Schering Pharma, Germany; ⁵Department of Urology,
University of Florence, Florence, Italy

O1-05

**Testosterone partially ameliorates metabolic profile and erectile responsiveness to PDE5 inhibitors
in an animal model of male metabolic syndrome**

S. FILIPPI¹, L. VIGNOZZI¹, A. MORELLI¹, A. K. CHAVALMANE¹, E. SARCHIELLI²,
F. SAAD³, P. SANDNER⁴, G. B. VANNELLI², E. MANNUCCI⁵ and M. MAGGI¹
¹Sexual Medicine and Andrology Unit Department of Clinical Physiopathology; ²Department
of Anatomy, Histology and Forensic Medicine, University of Florence, Florence, 50139, Italy;
³Scientific Affairs Men's Healthcare, Bayer Schering Pharma AG, Berlin, Germany; ⁴Bayer Schering
Pharma AG, Global Drug Discovery, Wuppertal, Germany; ⁵Diabetes Section Geriatric Unit, Department
of Critical Care, University of Florence, Florence, 50139, Italy

- 01-06 **Farnesoid x receptor activation ameliorates erectile function in animal models of metabolic syndrome and diabetes**
L. VIGNOZZI¹, A. MORELLI¹, S. FILIPPI¹, P. COMEGLIO¹, A. K. CHAVALMANE¹, M. MARCHETTA^{1,3}, R. YEHIELY-COHEN¹, G. B. VANNELLI², L. ADORINI⁴ and M. MAGGI¹
¹Sexual Medicine and Andrology Unit, Department of Clinical Physiopathology; ²Department of Anatomy, Histology and Forensic Medicine, University of Florence, Italy; ³I.N.B.B. (Istituto Nazionale Biostrutture e Biosistemi), Viale Medaglie d'Oro 305-00136 Rome, Italy; ⁴Intercept Italia, Perugia, Italy
- 01-07 **ERA expression is deregulated in the prostate of castrated rats: hints for a potential role in male hypogonadism**
G. LAVRANOS and R. ANGELOPOULOU
Department of Histology and Embryology, Medical School, Athens University, Greece
- 01-08 **Array-CGH analysis in patients with maturation arrest of spermatogenesis**
K. STOUFFS^{1,3}, D. VANDERMAELEN^{1,3}, A. MASSART^{1,3}, H. TOURNAYE^{2,3}, I. LIEBAERS^{1,3} and W. LISSENS^{1,3}
¹Centre for Medical Genetics, Universitair Ziekenhuis Brussel; ²Centre for Reproductive Medicine, Universitair Ziekenhuis Brussel; ³Department of Embryology and Genetics, Vrije Universiteit Brussel, Laarbeeklaan 101, 1090 Brussels, Belgium
- 01-09 **Copy number variants as novel genetic cause of spermatogenic failure and male infertility**
F. TÜTTELMANN¹, S. KLIESCH², J. GROMOLL², M. SIMONI³, B. DWORNICZAK¹, P. WIEACKER¹ and A. RÖPKE¹
¹Institute of Human Genetics, University of Münster, Germany; ²Centre of Reproductive Medicine and Andrology, University of Münster, Germany; ³Department of Medicine, Endocrinology, Metabolism and Geriatrics, University of Modena and Reggio Emilia, Italy
- 01-10 **A uropathogenic Escherichia coli (UPEC) virulent factor activates calcineurin dependent nuclear factor activated T cells (NFAT) signaling pathway in testicular macrophages**
S. BHUSHAN¹, Y. LU¹, S. TCHATALBACHEV², Z. MIKULSKI¹, H. HOSSAIN², J. KLUG¹, T. CHAKRABORTY² and A. MEINHARDT¹
¹Department of Anatomy and Cell Biology; ²Department of Medical Microbiology, Justus-Liebig-University Giessen, Giessen, Germany
- 01-11 **Uropathogenic Escherichia coli (UPEC) cause impairment of spermatogenesis by apoptosis of testicular cells in rats**
Y. N. LU¹, S. BHUSHAN¹, S. TCHATALBACHEV², M. FIJAK¹, J. KLUG¹, G. SCHULER³, T. CHAKRABORTY² and MEINHARDT¹
¹Department of Anatomy and Cell Biology; ²Department of Medical Microbiology; ³Clinic for Obstetrics, Gynecology and Andrology of Large and Small Animals, Justus-Liebig-University Giessen, Giessen, Germany
- 01-12 **TSPY1 and spermatogenesis**
C. GIACHINI¹, F. NUTI¹, I. LAFACE¹, G. BALERZIA², G. FORTI¹, C. TYLER-SMITH³ and C. KRAUSZ¹
¹Andrology Unit, Department of Clinical Physiopathology, University of Florence, Viale Pieraccini 6, Florence, Italy; ²Division of Endocrinology, Institute of Internal Medicine Polytechnic University of Marche, Ancona, Italy; ³The Wellcome Trust Sanger Institute, Wellcome Trust Genome Campus, Hinxton, UK
- 14:00–14:30 **Break**
Nikos Skalkotas Auditorium
- 14:30–16:30 **Post-graduate event 1: Diagnosis of male infertility – State of the art**
Chairpersons • G. Forti (ITA), E. Nieschlag (GER)
Semen analysis: WHO update • C. Barratt (UK)
The role of DNA fragmentation • A. Borini (ITA)
Genetic analysis • C. Krausz (ITA)
Metabolomics • B. Le Bizec (FRA)
- Hall A
- 14:30–16:30 **Post-graduate event 2: Assessment of male reproductive function in laboratory animals**
Chairpersons • B. Bilinska (POL), T. Zeginiadou (GR)
Morphological and imaging analysis • P. Saunders (UK)
Fertility testing • P. Sipilä (FIN)
Reproductive hormone analysis • M. Tena-Sempere (ESP)
Effect of genetic manipulation on male fertility • M. Poutanen (FIN)
- 16:30–17:00 **Break**
Nikos Skalkotas Auditorium
- 17:00–18:30 **Post-graduate event 3: Imaging of reproductive tract in man**
Chairpersons • A. Lenzi (ITA), E. A. Jannini (ITA)
Ultrasonography: Testis and accessory glands • A. M. Isidori (ITA)
Invasive diagnostic tests: a dilemma between appropriateness and ethics • A. Fabbri (ITA)
Histopathology of the testis • W. Schulze (GER)

Hall A

17:00–18:30 Post-graduate event 4: Reproductive toxicology in animals

Chairpersons • B. Jegou (FRA), R. Sharpe (UK)

Fetal gonadal assay • B. Jegou (FRA)*Multi-generation tests* • S. Christiansen (DAN)*Omics in Reproductive toxicology* • M. Primig (FRA)**18:30–19:00 Break**

Nikos Skalkotas Auditorium

19:00–19:30 Opening Ceremony**19:30–20:15 Plenary lecture 1**

Chairperson • F. Wu (UK)

EAA Presidential lecture: Androgen action in the testis • G. Verhoeven (BEL)**20:15 Welcome reception**

Thursday 30.09.10

Nikos Skalkotas Auditorium

09:00–10:30 **Symposium 2: Obesity and testicular function**
 Chairpersons • C. Mallidis (GER), S. Nicopoulou (GRE)
Relationship to fertility • H. W. G. Baker (AUS)
Relationship to hypogonadism • C. Foresta (ITA)
Relationship to male puberty • A. Juul (DAN)

Hall A

09:00–10:30 **Symposium 3: Hot topics in andrology**
 Chairpersons • A. Meinhardt (GER), D. G. Goulis (GRE)
Xenostrogens and male infertility: role of the miRNAs • M. Benahmed (FRA)
Does varicocele repair result in more spontaneous pregnancies? • G. Dohle (GER)
 Debate moderator • J. Aitken (AUS)
New WHO manual for semen analysis – A debate • N. Skakkebaek (DAN), H. M. Behre (GER)

Nikos Skalkotas Auditorium

10:30–11:00 **Plenary lecture 2**
 Chairperson • E. Baldi (ITA)
ASA lecture: Different approaches in genomic analysis • D. Carrell (USA)

11:00–11:30 **Break**

11:30–13:30 **Symposium 4: Developmental disorders of the penis**
 Chairpersons • J. Toppari (FIN), C. Dacou-Voutetakis (GRE)
Ontogeny • R. Sharpe (UK)
Effects of chemical exposures • K. Main (DAN)
Micropenis • I. Hughes (UK)
Hypospadias • N. Kalfa (FRA)

Hall A

11:30–13:30 **Selected oral presentations 2 (O2-13–O2-24)**
 Chairpersons • Giwercman (SWE), J. Papadimas (GRE)

O2-13 **Immunocytochemical detection of mitochondrial succinate dehydrogenase in asthenozoospermia**
 R. TOMAR, A. K. JAIN and N. K. MOHANTY
 Institute of Pathology (ICMR) Safdarjang Hospital, New Delhi-110029, India

O2-14 **The presence and characterizations of cell-free mRNA, microRNA and DNA in human seminal plasma**
 H. LI^{1,2}, H. GUAN^{1,2}, S. HUANG¹, C. GUO¹ and C. XIONG^{1,2}
¹Family Planning Research Institute and Center of Reproductive Medicine, Tongji Medical College, Huazhong University of Science and Technology, Wuhan, China; ²Tongji Reproductive Medicine Hospital, Wuhan, China

O2-15 **The effect of freezing – thawing procedure on sperm DNA fragmentation**
 K. CHATZIMELETIOU, P. D. KANTARTZI, D. G. GOULIS, I. PAPANIMAS and B. C. TARLTAZI
 Section of Reproductive Medicine, First Department of Obstetrics & Gynecology, Aristotle University, Thessaloniki, Greece

O2-16 **Protamine/DNA ratios and DNA damage in sperm prepared for ART from infertile men**
 J. CASTILLO¹, L. SIMON², S. DE MATEO¹, SEM LEWIS² and R. OLIVA¹
¹Faculty of Medicine, University of Barcelona and Hospital Clinic, Barcelona, Spain; ²School of Medicine, Centre for Public Health Queens University Belfast, UK

O2-17 **Immunophenotypic characterization of seminal macrophages in ejaculates from subfertile men and relationship with sperm quality and DNA fragmentation**
 F. PELLICCIONE¹, A. D'ANGELI¹, G. CORDESCHI¹, B. CINQUE², S. FALONE³, G. IACUTONE¹, F. AMICARELLI³ and S. FRANCAVILLA¹
¹Department of Internal Medicine, University of L'Aquila, L'Aquila; ²Department of Health Sciences, University of L'Aquila, L'Aquila; ³Department of Basic and Applied Biology, University of L'Aquila, L'Aquila, Italy

O2-18 **Inhibition of Circulating Angiogenic Cells by serum from men with erectile dysfunction is related to endothelial cell activation**
 F. PELLICCIONE¹, A. D'ANGELI¹, S. FALONE², I. SARIGIANNIDIS¹, A. MICILLO¹ and S. FRANCAVILLA¹
¹Department of Internal Medicine; ²Department of Basic and Applied Biology, University of L'Aquila, L'Aquila, Italy

O2-19 **Subpopulations of human sperm with functional mitochondria have higher fertilization potential**
 A. AMARAL¹, A. P. SOUSA^{1,2} and J. RAMALHO-SANTOS¹
¹Center for Neuroscience and Cell Biology, Department of Life Sciences, University of Coimbra, 3001-401 Coimbra, Portugal; ²Human Reproduction Service, University Hospitals of Coimbra, Coimbra, Portugal

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- O2-20 **Vitamin D and sperm function: CYP24A1 may serve as a novel marker of semen quality**
M. BLOMBERG JENSEN¹, A. JØRGENSEN¹, J. E. NIELSEN¹, P. BJERRUM², T. E. JESSEN¹, J. H. PETERSEN³, S. BANGSBØLL⁴, E. RAJPERT-DE MEYTS¹, A. NYBOE ANDERSEN⁴, N. E. SKAKKEBÆK¹, A. JUUL¹, H. LEFFERS¹, S. DISSING⁵ and N. JØRGENSEN¹
¹Department of Growth and Reproduction, Rigshospitalet; ²Department of Clinical Biochemistry Holbæk hospital; ³Department of Biostatistics University of Copenhagen; ⁴Fertility Clinic Rigshospitalet; ⁵Department of Physiology University of Copenhagen, Denmark
- O2-21 **Energetic metabolism and human sperm motility: impact of CB1 receptor activation**
A. BARBONETTI^{1,2}, M. R. C. VASSALLO¹, D. FORTUNATO¹, S. FRANCAVILLA¹ and F. FRANCAVILLA¹
¹Andrologic Unit, Department of Internal Medicine, University of L'Aquila, Italy; ²IRCCS San Raffaele, Sulmona, Italy
- O2-22 **Confocal Raman microspectroscopy, the future for semen analysis?**
C. MALLIDIS¹, J. WISTUBA¹, B. BLEISTEINER², P. GROß, F. WÜBBELING⁴, C. FALLNICH³, M. BURGER⁴ and S. SCHLATT¹
¹Centre for Reproductive Medicine and Andrology, University of Münster; ²Horiba Jobin Yvon GmbH, Bensheim; ³Institute of Applied Physics, University of Münster; ⁴Mathematics Institute, University of Münster, Germany
- O2-23 **Light microscopic and ultrastructural analysis of spermatozoa in asthenozoospermic men**
S SH HAYAT¹, E. E. BRAGINA^{1,2} and L. F. KURILO¹
¹Research Centre for Medical Genetics, Russian Academy of Medical Sciences (RAMS), Moscow, Russia; ²A.N. Belozersky Institute of Physico-Chemical Biology, Moscow State University, Moscow, Russia
- O2-24 **Comparison of global sperm DNA methylation in fertile and infertile men: preliminary results**
J. ERENPREISS and I. TSAREV
Riga Stradins University, Andrology Laboratory, Riga, Latvia
- 13:30–15:00 **Long break**
- Nikos Skalkotas Auditorium
- 15:00–17:00 **Symposium 5: Testicular and prostate cancer**
Chairpersons • J. E. Damber (SWE), Ch. Asvestis (GRE)
Genetics • T. Visakorpi (FIN)
Genetic and environmental factors • K. Hemminki (GER)
Testicular carcinoma in situ and incidentalomas • S. Kliesch (GER)
Update on management of prostate cancer • A. Jungwirth (A)
- Hall A
- 15:00–17:30 **Selected oral presentations 3 (O3-25 – O3-36)**
Chairpersons • J. Slowikowska (POL), E. Koukkou (GRE)
- O3-25 **Stable sperm counts during the last 10 years in southernmost Sweden**
J. AXELSSON^{1,2}, L. RYLANDER², A. RIGNELL-HYDBOM² and A. GIWERCMAN^{1,3}
¹Reproductive Medicine Centre, Skåne University Hospital, Malmö, Sweden; ²Division of Occupational and Environmental Medicine, Lund University, Lund, Sweden; ³Department of Clinical Sciences, Malmö, Lund University, Malmö, Sweden
- O3-26 **The effect of marriage in sex attitudes and stress levels in the population**
K. BENETATOU¹, M. S. VENETIKOU^{1,2}, G. VITZILEOS³, T. LAMBOU⁴, N. VAIDAKIS⁵, C. DARVIRI^{3,1} and G. CHROUSSOS^{1,6}
¹Biomedical Research Foundation, Academy of Athens; ²Department of Essential Medical Lessons, SEYP, ATEI, Athens; ³Department of Health Visitors (Community Nursing), SEYP, ATEI, Athens; ⁴Department of Urology, Thriassio Hospital, Elefsina, Attica; ⁵Department of Psychiatry, Aiginition Hospital, University of Athens Medical School; ⁶A Paediatric Clinic, University of Athens Medical School, Greece
- O3-27 **Benign prostate hyperplasia and prostate cancer: a newly discovered route for testosterone to reach the prostate directly from the testes. novel pathophysiological mechanism**
Y. GAT and M. GORNISH
Condensed Matter Physics, Sub-Micron, Weizmann Institute of Science, Rehovot, Israel
- O3-28 **Does microsurgical testicular spermatozoal extraction (M-TESE) improve the spermatozoal yield in the patient with hypergonadotropic azoospermia? A comparison between standard- and M-TESE**
F. GOTTARDO, M. ZITZMANN and S. KLIESCH
Centre for Reproductive Medicine and Clinical Andrology, University of Münster, Germany
- O3-29 **The risk of androgen deficiency and lipid abnormalities in infertile men with non-obstructive azoospermia and previous testicular sperm extraction**
M. NAUMOVSKA^{1,2}, A. GIWERCMAN² and Y. L. GIWERCMAN¹
¹Department of Clinical Sciences, Lund University, Malmö, Sweden; ²Reproductive Medicine Centre, Skåne University Hospital Malmö, Sweden

- O3-30 **One in two couples consulting for male infertility will succeed in their parenthood project: results of a large retrospective study in 2138 couples**
M. WALSCHAERTS¹, L. BUJAN¹, F. ISUS¹, J. PARINAUD², R. MIEUSSET¹ and P. THONNEAU¹
¹University Paul Sabatier, Toulouse III, Human Fertility Research Group (EA 3694), France; ²Paule de Viguier University Hospital, ART Center, Toulouse, France
- O3-31 **Relationships between testosterone and severity indices in male patients with chronic obstructive pulmonary diseases**
A. MANCINI¹, G. M. CORBO¹, R. INCHINGOLO¹, A. DI MARCO BERARDINO¹, S. RAIMONDO¹, R. FESTA², S. VALENTE¹ and A. PONTECORVI¹
¹Department of Internal Medicine, Catholic University, Rome, Italy; ²Department of Molecular Pathology, Marche Polytechnic University, Ancona, Italy
- O3-32 **Inhibin B and Anti-Müllerian Hormone as markers of persistent spermatogenesis in men with non-obstructive azoospermia: a meta-analysis of diagnostic accuracy studies**
K. A. TOULIS, P. K. ILIADOU, C. TSAMETIS, G. MINTZIORI, C. A. VENETIS, B. C. TARLATZIS, I. PAPANIMAS and D. G. GOULIS
Unit of Reproductive Endocrinology, First Department of Obstetrics and Gynecology, Aristotle University, Thessaloniki, Greece
- O3-33 **Dynamic endocrine test of Inhibin B and Anti-Müllerian Hormone in men with non-obstructive azoospermia**
C. TSAMETIS, G. MINTZIORI, P. K. ILIADOU, K. A. TOULIS, B. C. TARLATZIS, I. PAPANIMAS and D. G. GOULIS
Unit of Reproductive Endocrinology, First Department of Obstetrics and Gynecology, Aristotle University, Thessaloniki, Greece
- O3-34 **Semen analysis by electron and fluorescence microscopy in a case of partial hydatidiform mole reveals a high incidence of abnormal morphology, diploidy and tetraploidy**
K. CHATZIMELETIOU¹, A. SIONGA², L. OIKONOMOU², S. CHARALAMPIDOU³, P. D. KANTARTZI¹, V. ZOURNATZI³, D. PANIDIS³, D. G. GOULIS¹, I. PAPANIMAS¹ and B. C. TARLATZIS¹
¹Section of Reproductive Medicine, First Department of Obstetrics & Gynecology, Aristotle University, Thessaloniki, Greece; ²Laboratory of Histology and Embryology, Aristotle University Medical School, Thessaloniki, Greece; ³Unit of Endocrinology and Human Reproduction, Second Department of Obstetrics & Gynecology, Aristotle University, Thessaloniki, Greece
- O3-35 **Oxidative stress and fracture risk in male middle-aged patients: preliminary data**
A. MANCINI¹, F. C. TAMBURRELLI², S. RAIMONDO¹, A. SILVESTRINI³, C. A. LOGROSCINO², R. FESTA⁴, E. MEUCCI³ and A. PONTECORVI¹
¹Department of Internal Medicine, Catholic University, Rome, Italy; ²Department of Spine Surgery, Catholic University, Rome, Italy; ³Institute of Biochemistry and Clinical Biochemistry, Catholic University, Rome, Italy; ⁴Department of Molecular Pathology, Marche Polytechnic University, Ancona, Italy
- O3-36 **A question must be asked to parents of child with Klinefelter's Syndrome: "Does he have any brothers or sisters?"**
C. W. BAK^{1,2}, S. H. SONG^{1,2}, T. K. YOON³, K. M. KANG⁴, Y. S. CHOI⁴ and S. H. SHIM⁴
¹Andrology Unit, Fertility Center of CHA Gangnam Medical Center, CHA University; ²Department of Urology, CHA Gangnam Medical Center, CHA University; ³Department of Obstetrics and Gynecology, Fertility Center of CHA Gangnam Medical Center, CHA University; ⁴Genetic Laboratory, Fertility Center of CHA Gangnam Medical Center, CHA University, Seoul, Korea
- 17:00–17:30 **Break**
- Nikos Skalkotas Foyer
- 17:30–19:00 **Poster tour**
Chairpersons • A. Abrahamian-Michalaki (GRE), C. Mavrommatis (GRE)
- P-01 **Androgen deficiency and insulin resistance in obese male patients**
S. H. JANJGAVA, E. GIORGADZE, K. ASATIANI, L. UCHAVA, N. TSAGARELI, N. SVANI, M. KORINTELI, T. DOLIASHVILI, T. ZEREKIDZE and N. JIQRAULI
Tbilisi, Georgia
- P-02 **Post-testicular cholesterol homeostasis controls spermatozoa fertilizing ability**
A. OUVRIER¹, G. ALVES¹, G. MARCEAU¹, R. CADET¹, F. BRUGNON², A. KOCER¹, J. M. A. LOBACCARO¹, F. SAEZ¹ and J. R. DREVET¹
¹GrED, UMR CNRS 6247-INSERM U931 - Clermont Université, 24 avenue des Landais, BP80026, 63171 Aubiere cedex, France; ²CECOS CHU Clermont-Ferrand, France
- P-03 **Pathology of post-inflammation stage of autoimmune orchitis induced by immunization with syngeneic testicular germ cells alone in mice**
M. NAITO, S. HIRAI, H. TERAYAMA, N. QU and M. ITOH
Department of Anatomy, Tokyo Medical University, 6-1-1 Shinjuku, Shinjuku-ku, Tokyo 160-8402, Japan
- P-04 **Isolated low follicle stimulating hormone (FSH) as a sole anomaly among infertile Egyptian males: prevalence and semen parameters**
N. SALAMA
Department of Urology, Alexandria School of Medicine, Alexandria, Egypt
- P-05 **Exposure to a conventional mobile phone may end with azoospermia: a case report in a rabbit model**
N. SALAMA¹, T. KISHIMOTO¹, A. KUWAHARA² and H. KANAYAMA¹
¹Department of Urology, Tokushima School of Medicine, Tokushima; ²Gynecology, Tokushima School of Medicine, Tokushima, Japan

- P-06 **Effect of local administration of recombinant human fibroblast growth factor-2 during distraction osteogenesis on the rabbit testis: histological study**
N. SALAMA
Department of Urology, Alexandria School of Medicine, Alexandria, Egypt
- P-07 **The sex hormones and the expression of insulin receptors**
A. V. PECHERSKY, YU. A. DOMBROVSKAYA, O. V. PECHERSKAYA and B. T. MOROZ
St. Petersburg Medical Academy of Postgraduate Studies, St. Petersburg, Russia
- P-08 **The development of metabolic syndrome and the partial androgen deficiency among aging men**
A. V. PECHERSKY¹, V. F. SEMIGLAZOV², V. I. MAZUROV¹, A. I. KARPISHENKO³,
V. I. PECHERSKY⁴, N. N. ZYBINA⁵, N. I. DAVYDOVA⁵, V. YU. KRAVTZOV⁵, S. N. PROSHIN⁵,
M. G. SKOROBOGATIKH⁵ and O. B. LORAN⁶
¹*St. Petersburg Medical Academy of Post-Graduation Studies, St. Petersburg;* ²*Professor N.I. Petrov Scientific Research Institute of Oncology, St. Petersburg;* ³*Russian Military-Medical Academy, St. Petersburg;* ⁴*P.F. Lestgaf State University of Sport and Physical Culture, St. Petersburg;* ⁵*All-Russian Center of Emergency and Radiation Medicine of the Russian Emergency Situations Ministry, St. Petersburg, Russia;* ⁶*Russian Medical Academy of Post-Graduate Studies, Moscow, Russia*
- P-09 **The breach of regeneration among men of older age groups and the androgen deficiency**
A. V. PECHERSKY¹, V. I. PECHERSKY², M. V. ASEEV³, A. V. DROBLENKOV⁴ and V. F. SEMIGLAZOV⁵
¹*Medical Academy of Post-Graduate Studies, St. Petersburg;* ²*State Academy of Physical Education in the name of P.F. Lestgaf, St. Petersburg;* ³*Ott's Institute of Obstetric and Gynecology, St. Petersburg;* ⁴*Central Administrative Board of Public Health Services "Bureau of Judicial-Medical Examination of St. Petersburg", St. Petersburg;* ⁵*N.N. Petrov Scientific-Research Institute of Oncology, St. Petersburg, Russia*
- P-10 **Evaluation of erectile dysfunction in permanent pacemaker implanted patients with cardiac rhythm disorder prediagnosis**
L. SAGNAK¹, H. ERSOY¹, N. KARAKOYUNLU¹, S. MURAT², U. OZOK¹, H. TOPALOGU¹, U. OZTURK¹ and R. AKDEMIR²
¹*Diskapi Yildirim Beyazit Education and Research Hospital, Urology Clinics, Ankara;* ²*Diskapi Yildirim Beyazit Education and Research Hospital, Cardiology Clinic, Ankara, Turkey*
- P-11 **Hormonal, vascular and psychological variables in diabetics with erectile dysfunction**
M. S. VENETIKOU^{1,2,5}, K. BENETATOU¹, K. ALOUMANIS², G. VITZILEOS³,
K. DELITHODORIS³, L. PAPAGIANNOPOULOU³, T. LAMBOU^{4,5} and D. GIZANI⁵
¹*Biomedical Research Foundation, Academy of Athens;* ²*Department of Essential Medical Lessons SEYP, ATEL, Athens;* ³*Department of Health Visitors (Community Nursing), SEYP, ATEL, Athens;* ⁴*Department of Urology, Thriassio Hospital, Elefsina, Attica;* ⁵*The Athens Sex Institute, Athens*
- P-12 **Brain activations in patients with psychogenic erectile dysfunction: a fMRI study**
E. D. DI PIERRO¹, G. PARADISO GALATIOTO¹, N. CERA², G. PACE¹, G. MASELLI¹,
L. BERGAMASCO¹, A. DEL ROSSO¹, G. SEPEDE³, F. GAMBÌ³, M. G. PERRUCCI¹, A. MERLA²,
A. TARTARO² and C. DEL GRATTA²
¹*Cattedra di Urologia University degli Studi di L'Aquila (U. O. di Urologia e Andrologia, Pres. Osp. di Teramo), Italia;* ²*ITAB – University "G. d'Annunzio" Chieti – Pescara, Italia;* ³*Dip. di Oncologia e Neuroscienze, University "G. d'Annunzio" di Chieti – Pescara, Chieti, Italia*
- P-13 **Isolation of proteins from ejaculated and capacitated sperms by various extraction approaches**
M. ZIGO^{1,2}, V. JONAKOVA¹ and P. POSTLEROVA¹
¹*Institute of Biotechnology, Academy of Sciences of the Czech Republic, Václavská 1083, 142 20, Prague 4, Czech Republic;* ²*Department of Biochemistry, Faculty of Science, Charles University, Albertov 2030, 128 40, Prague 2, Czech Republic*
- P-14 **Short-term outcomes of penile girth augmentation using injection of autologous fat: is it effective?**
S. H. CHO¹, H. N. LEE¹, J. Y. LEE², S. Y. PARK² and T. H. CHANG¹
¹*Gilman Urology Hospital, Hanyang University College of Medicine, Seoul;* ²*Department of Urology, Hanyang University College of Medicine, Seoul, Korea*
- P-15 **Minimally invasive technique for adult buried penis lead to longer penile length**
T. K. YUN¹, H. S. JEON¹, J. Y. KIM¹ and D. W. SOHN²
¹*Manomedi Urology Clinics, Seoul;* ²*The Catholic University of Korea, Seoul, Korea*
- P-16 **Suprapubic skin advancement with ligamentolysis in young men who have lack of penile remnant skin**
T. K. YUN¹, H. S. JEON¹, J. Y. KIM¹ and D. W. SOHN²
¹*Manomedi Urology Clinics, Seoul;* ²*The Catholic University of Korea, Seoul, Korea*
- P-17 **New surgical technique for decreasing postoperative complications in penile augmentation**
T. K. YUN¹, H. S. JEON¹, J. Y. KIM¹ and D. W. SOHN²
¹*Manomedi Urology Clinics, Seoul Korea;* ²*The Catholic University of Korea, Seoul, Korea*
- P-18 **Free testosterone level in ultrafiltered serum as indicator of androgen insufficiency in men with erectile dysfunction**
M. V. KORYAKIN¹, G. V. KATSYA², N. M. MALYSHEVA², S. V. BARBASHOV¹ and N. P. GONCHAROV²
¹*National Centre for Human Reproduction;* ²*Endocrinology Research Centre, Moscow, Russia*

- P-19 **Comparison of free testosterone levels measured in ultrafiltered serum to calculated testosterone in men with terato- and oligozoospermia**
M. V. KORYAKIN¹, G. V. KATSYA², A. D. DOBRACHEVA², N. M. MALYSHEVA², S. V. BARBASHOV¹ and N. P. GONCHAROV²
¹National Centre for Human Reproduction; ²Endocrinology Research Centre, Moscow, Russia
- P-20 **Study of acrosin inhibitor along the boar epididymis**
N. DAVIDOVÁ^{1,2}, A. DOROSH¹, V. JONÁ KOVÁ 1 and P. POSTLEROVÁ 1
¹Laboratory of Diagnostics for Reproductive Medicine, Institute of Biotechnology, Academy of Sciences of the Czech Republic, v.v.i., Prague, Czech Republic; ²Department of Biochemistry, Faculty of Science, Charles University, Prague, Czech Republic
- P-21 **Scanning electron microscopic investigation of abnormal sperm cells in cases of pathology of the male reproductive system**
I. N. ILIEVA¹, S. I. IVANOVA¹, P. D. TZVETKOVA¹, I. CHAVDAROV¹ and M. K. BOJILOVA-KIRKOVA²
¹Department of Experimental Morphology, Institute of Experimental Morphology and Anthropology with Museum, BAS, Sofia, Bulgaria; ²Centre for Clinical Research "CibaLab", Sofia, Bulgaria
- P-22 **Azoospermia and round sperm cells in causes with inflammatory and vascular diseases**
S. K. IVANOVA, P. D. TZVETKOVA and I. N. ILIEVA
Department of Experimental Morphology, Institute of Experimental Morphology and Anthropology with Museum, BAS, Sofia, Bulgaria
- P-23 **Associations between semen quality and lower urinary tract symptoms in ageing male**
K. AUSMEES¹, M. ZARKOVSKI², G. TIMBERG³, P. KORROVITS¹ and M. PUNAB¹
¹Andrology Centre, Tartu University Hospital, Estonia; ²Clinic of Surgery, Tartu University Hospital, Estonia; ³West-Tallinn Central Hospital, Estonia
- P-24 **Total prostate volume as risk factor for semen pathologies in ageing male**
K. AUSMEES¹, M. ZARKOVSKI², G. TIMBERG³, P. KORROVITS¹ and M. PUNAB¹
¹Andrology Centre, Tartu University Hospital, Estonia; ²Clinic of Surgery, Tartu University Hospital, Estonia; ³West-Tallinn Central Hospital, Estonia
- P-25 **Distribution of lymphatic capillaries in the murine testis**
S. HIRAI, M. NAITO, H. TERAYAMA, Q. NING and M. ITOH
Department of Anatomy, Tokyo Medical University, 6-1-1, Shinjuku, Shinjuku-ku, Tokyo 160-8402, Japan
- P-26 **Transplantation of xenogeneic germ cells into immune privileged testes**
N. QU, J. LI, M. NAITO, H. TERAYAMA, S. HIRAI, S. KAWATA and M. ITOH
Department of Anatomy, Tokyo Medical University, Tokyo, Japan
- P-27 **Morphological and molecular findings of human ejaculated spermatozoa during bacteria experimental infection**
M. FRACZEK¹, M. PIASECKA², D. GACZARZEWICZ³, A. SZUMALA-KAKOL¹, A. KAZIENKO², S. LENARD⁵, M. LASZCZYNSKA² and M. KURPISZ¹
¹Institute of Human Genetics, Polish Academy of Sciences, Poznan; ²Laboratory of Histology and Developmental Biology, Pomeranian Medical University, Szczecin; ³Department of Animal Reproduction, Westpomeranian University of Technology, Szczecin; ⁴Unit of Microbiology, Hospital Medical College, Poznan; ⁵Institute of Materials Engineering, Westpomeranian University of Technology, Szczecin, Poland
- P-28 **Priapus is happier with Venus than with Bacchus**
V. BODDI¹, G. CORONA^{1,4}, M. MONAMI², A. D. FISHER¹, E. BANDINI¹, C. MELANI³, D. BALZI¹, A. SFORZA⁴, V. PATUSSI⁵, G. FORTI¹, E. MANNUCCI² and M. MAGGI¹
¹Andrology Unit, Department of Clinical Physiopathology, University of Florence, Florence; ²Diabetes Section Geriatric Unit, Department of Critical Care, University of Florence, Florence; ³Epidemiological Unit, Azienda Sanitaria Locale 10, Florence; ⁴Endocrinology Unit, Maggiore-Bellaria Hospital, Bologna, Italy; ⁵Regional Unit for Alcoholism, Florence, Italy
- P-29 **A simply-induced model of autoimmune orchitis by intraperitoneal fixation of donor's testis, epididymis and vas deference**
H. TERAYAMA, S. HIRAI, M. NAITO, N. QU, M. KITAOKA, S. KAWATA, Y. OGAWA and M. ITOH
Department of Anatomy, Tokyo Medical University, 6-1-1 Shinjuku Shinjuku-ku Tokyo, 160-8402, Japan
- P-30 **High prevalence of biochemical signs of hypogonadism among men from infertile couples**
A. WIHL, S. JARKMAN, B. LARSSON and A. GIWERCMAN
Reproductive Medicine Center, Skåne University Hospital, Malmö, Sweden
- P-31 **Benefits of Gonal-F treatment in patients with gonadal dysfunction**
M. AJINA, S. JALLAD, F. ATIG, S. IBALA, M. MEHDI, M. BIBI, M. ZAOUALI and A. SAAD
Unit of Reproductive Medicine, University Farhat Hached Hospital, Sousse, Tunisia
- P-32 **Intra individual variation of semen parameters in infertile men undergoing repeated ICSI cycles**
S. JALLAD, F. ATIG, S. IBALA, M. MEHDI, M. MOHAMED, H. KHAÏRI, A. SAAD and M. AJINA
Unit of Reproductive Medicine, University Farhat Hached Hospital, Sousse, Tunisia
- P-33 **Impact of seminal plasma magnesium, calcium and zinc on semen parameters of infertile men**
F. ATIG², S. JALLAD², S. IBALA², M. MEHDI², A. KERKENI¹, A. OTHMANE¹, A. SAAD² and M. AJINA²
¹Laboratory of Biophysics of Medicine University Habib Bourguiba Monastir, Tunisia; ²Unit of Reproductive Medicine, University Farhat Hached Hospital, Sousse, Tunisia

- P-34 **Effects of antioxidant therapy on sperm parameters of infertile men undergoing ICSI procedure**
F. ATIG, S. JALLAD, S. IBALA, M. MEHDI, H. KHÄIRI, A. SAAD and M. AJINA
Unit of Reproductive Medicine, University Farhat Hached Hospital, Sousse, Tunisia
- P-35 **Genetic and clinical aspects of azoospermia and severe oligozoospermia in Greek infertile men**
E. EVGENI¹, G. LYMBEROPOULOS¹ and C. ASVESTIS²
¹*Seminology Laboratory, Athens Greece;* ²*Athenian group for the study of Andrological diseases*
- P-36 **Low testosterone is associated with an increased risk of major cardiovascular events lethality in subjects with erectile dysfunction**
G. CORONA^{1,4}, G. RASTRELLI¹, M. MONAMI², V. BODDI¹, A. D. FISHER¹, G. DE VITA¹,
C. MELANI³, D. BALZI¹, A. SFORZA⁴, G. FORTI¹, E. MANNUCCI² and M. MAGGI¹
¹*Andrology Unit, University of Florence, Florence;* ²*Diabetes Section, Geriatric Unit, University of Florence, Florence;* ³*Epidemiological Unit, Azienda Sanitaria Locale 10, Florence Italy;* ⁴*Endocrinology Unit, Maggiore-Bellaria Hospital, Bologna, Italy*
- P-37 **Premature and delayed ejaculation: two ends of a single continuum influenced by hormonal milieu**
G. CORONA^{1,5}, G. RASTRELLI¹, E. A. JANNINI², F. LOTTI¹, V. BODDI¹, G. DE VITA¹, G. FORTI¹, A. LENZI³,
E. MANNUCCI⁴ and M. MAGGI¹
¹*Andrology Unit and Endocrinology, University of Florence, Florence;* ²*School of Sexology, University of L'Aquila, L'Aquila, Italy;*
³*Department of Medical Pathophysiology (DFM-Fisiopatologia Medica), Sapienza University, Rome, Italy;* ⁴*Diabetes Section, Geriatric Unit, University of Florence, Florence, Italy;* ⁵*Endocrinology Unit, Maggiore-Bellaria Hospital, Bologna, Italy*
- P-38 **Prolactin levels independently predict major cardiovascular events in patients with erectile dysfunction**
G. CORONA^{1,4}, G. RASTRELLI¹, V. BODDI¹, M. MONAMI², C. MELANI³, D. BALZI³, A. SFORZA⁴,
G. FORTI¹, E. MANNUCCI² and M. MAGGI¹
¹*Andrology Unit and Endocrinology, University of Florence, Florence;* ²*Diabetes Section Geriatric Unit, University of Florence, Florence;* ³*Epidemiological Unit, Azienda Sanitaria Locale 10, Florence;* ⁴*Endocrinology Unit, Maggiore-Bellaria Hospital, Bologna, Italy*
- P-39 **Psychobiological correlates of women's sexual interest as perceived by patients with erectile dysfunction**
G. CORONA¹, G. RASTRELLI¹, E. BANDINI¹, A. D. FISHER¹, V. BODDI¹, G. BALERCIÀ²,
A. SFORZA³, G. FORTI¹, E. MANNUCCI⁴ and M. MAGGI¹
¹*Andrology Unit, University of Florence, Florence;* ²*Endocrinology Unit, Polytechnic University of Marche, Ancona, Italy;* ³*Endocrinology Unit, Maggiore-Bellaria Hospital, Bologna, Italy;* ⁴*Diabetes Section, Geriatric Unit, University of Florence, Florence, Italy*
- P-40 **Accuracy of Hoffman-based optic system for the selection of morphologically normal spermatozoa in assisted reproduction techniques**
S. ROVIRA, O. CAIRÓ, A. BRASSESCO, F. DEL RIO, M. RODRÍGUEZ, L. PRATS, R. LAFUENTE and M. BRASSESCO
Centro de Infertilidad y Reproducción Humana (CIRH), Clínica Corachan, Barcelona, Spain
- P-41 **Pulse pressure independently predicts major cardiovascular events in younger but not in older subjects with erectile dysfunction**
G. CORONA^{1,4}, M. MONAMI², V. BODDI¹, G. RASTRELLI¹, C. MELANI³, D. BALZI¹, A. SFORZA⁴,
G. FORTI¹, E. MANNUCCI² and M. MAGGI¹
¹*Andrology Unit, University of Florence, Florence;* ²*Diabetes Section Geriatric Unit, University of Florence, Florence;* ³*Epidemiological Unit, Azienda Sanitaria Locale 10, Florence;* ⁴*Endocrinology Unit, Maggiore-Bellaria Hospital, Bologna, Italy*
- P-42 **Does male's age affect results (fertilization, development and embryo quality)?**
L. PRATS, M. RODRÍGUEZ, R. LAFUENTE, O. CAIRO, S. ROVIRA, F. DEL RIO, A. BRASSESCO,
M. GOMEZ and M. BRASSESCO
Centro de Infertilidad y Reproducción Humana (CIRH), Clínica Corachan, Barcelona, Spain
- P-43 **SSRI-induced sexual dysfunction**
G. CORONA^{1,4}, V. RICCA², E. BANDINI¹, E. MANNUCCI³, F. LOTTI¹, V. BODDI¹, G. RASTRELLI¹,
A. SFORZA⁴, C. FARAVELLI², G. FORTI¹ and M. MAGGI¹
¹*Andrology Unit, University of Florence, Florence;* ²*Psychiatry Unit, University of Florence, Florence;* ³*Diabetes Section, Geriatric Unit, University of Florence, Florence, Italy;* ⁴*Endocrinology Unit 4, Maggiore-Bellaria Hospital, Bologna, Italy*
- P-44 **Testosterone and metabolic syndrome: a meta-analysis study**
G. CORONA^{1,4}, M. MONAMI², G. RASTRELLI¹, A. AVERSA³, A. SFORZA⁴, A. LENZI³, G. FORTI¹,
E. MANNUCCI² and M. MAGGI¹
¹*Andrology Unit and Endocrinology;* ²*Diabetes Section Geriatric Unit, University of Florence, Florence, Italy;* ³*Department of Medical Pathophysiology (DFM-Fisiopatologia Medica), Sapienza University, Rome, Italy;* ⁴*Endocrinology Unit, Maggiore-Bellaria Hospital, Bologna, Italy*
- P-45 **Testosterone and type diabetes mellitus: a meta-analysis study**
G. CORONA^{1,4}, M. MONAMI², G. RASTRELLI¹, A. AVERSA³, A. SFORZA⁴, A. LENZI³, G. FORTI¹,
E. MANNUCCI² and M. MAGGI¹
¹*Andrology Unit and Endocrinology, University of Florence, Florence;* ²*Diabetes Section, Geriatric Unit, University of Florence, Florence, Italy;* ³*Department of Medical Pathophysiology (DFM-Fisiopatologia Medica), Sapienza University, Rome, Italy;* ⁴*Endocrinology Unit, Maggiore-Bellaria Hospital, Bologna, Italy*

- P-46 **The age related decline of testosterone is associated with different specific symptoms and signs in patients with sexual dysfunction**
G. CORONA^{1,5}, G. RASTRELLI¹, E. MANNUCCI², V. RICCA³, F. LOTTI¹, V. BODDI¹, E. BANDINI¹, G. BALERCIA⁴, G. FORTI¹ and M. MAGGI¹
¹Andrology Unit, University of Florence, Florence; ²Diabetes Section Geriatric Unit, University of Florence, Florence; ³Psychiatry Unit, University of Florence, Florence, Italy; ⁴Endocrinology Unit, Polytechnic University of Marche, Ancona, Italy; ⁵Endocrinology Unit, Maggiore-Bellaria Hospital, Bologna, Italy
- P-47 **The effect of statin therapy on testosterone levels in subjects consulting for erectile dysfunction**
G. CORONA^{1,3}, V. BODDI¹, G. BALERCIA², G. RASTRELLI¹, G. DE VITA¹, A. SFORZA³, G. FORTI¹, E. MANNUCCI⁴ and M. MAGGI¹
¹Andrology Unit, University of Florence, Florence; ²Endocrinology Unit, Polytechnic University of Marche, Ancona, Italy; ³Endocrinology Unit, Maggiore-Bellaria Hospital, Bologna, Italy; ⁴Diabetes Section Geriatric Unit, University of Florence, Florence, Italy
- P-48 **The relationship of testosterone to PSA in men with sexual dysfunction**
G. CORONA^{1,3}, G. RASTRELLI¹, V. BODDI¹, F. LOTTI¹, M. GACCI², M. CARINI², G. DE VITA¹, A. SFORZA³, G. FORTI¹, E. MANNUCCI⁴ and M. MAGGI¹
¹Andrology Unit, University of Florence, Florence, Italy; ²Department of Urology, University of Florence, Florence, Italy; ³Endocrinology Unit, Maggiore-Bellaria Hospital, Bologna, Italy; ⁴Diabetes Section, Geriatric Unit, University of Florence, Florence, Italy
- P-49 **Effect of Tadalafil onto human skeletal muscle cell metabolism**
C. CRESCIOLI¹, P. BONINI², M. SOTTILI², N. STURLI², P. SGRO¹, G. B. VANNELLI², F. ROMANELLI³, A. LENZI³ and L. DI LUIGI¹
¹Department of Health Sciences, University of Rome Foro Italico, Rome; ²Excellence Center for Research, Transfer and High Education (DENOthe), University of Florence, Florence, Italy; ³Department of Medical Physiopathology, Sapienza University of Rome, Rome, Italy
- P-50 **Mutational study of HSPA2 gene in infertile patients and controls**
R. AZPIAZU¹, M. JODAR¹, J. CÀMARA¹, J. ORIOLA¹, J. L. BALLESCA² and R. OLIVA¹
¹Faculty of Medicine, University of Barcelona and Hospital Clínic, Barcelona, Spain; ²Clinic Institut of Gynaecology, Obstetrics and Neonatology, Hospital Clínic, Barcelona, Spain
- P-51 **³D-culture systems to define early germ cell differentiation in vitro**
J. B. STUKENBORG, L. LANDREH, M. HOU and O. SÖDER
Department of Women's and Children's Health, Pediatric Endocrinology, Karolinska Institutet and University Hospital, Stockholm, Sweden
- P-52 **Epididymo-orchitis affects parenchime ultrastructure of the testis and changes semen parameters in men**
A. M. SPASKA and B. V. GRYTSULIAK
Precarpathian University n. a. V. Stefanyk, Ivano-Frankivsk, Ukraine
- P-53 **Sexual functioning of Lithuanian post-menopausal women and relation with partners' somatic and sexual health**
G. JONUSIENE¹, B. ZILAITIENE¹, V. ADOMAITIENE¹, R. ANIULIENE¹ and J. BANCROFT²
¹Kaunas University of Medicine, Kaunas, Lithuania; ²The Kinsey Institute for Research in Sex, Gender and Reproduction, Indiana University, Indiana, United States
- P-54 **Up regulation of nitric oxide nitric-oxide synthase system in the testis of rats with autoimmune orchitis**
S. JARAZO DIETRICH, P. JACOBO, C. PEREZ, L. LUSTIG and M. S. THEAS
Institute for Research in Reproduction, School of Medicine, University of Buenos Aires, Buenos Aires, Argentina
- P-55 **Changes in the expression of adherens and gap junction molecules in the testis of rats undergoing autoimmune orchitis**
C. V. PÉREZ, C. M. SOBARZO, P. V. JACOBO, M. S. THEAS, B. DENDUCHIS and L. LUSTIG
Institute for Research in Reproduction, School of Medicine, University of Buenos Aires, Argentina
- P-56 **The use of sperm pooling for severe male factor infertility with intrauterine tuboperitoneal insemination**
L. MAMAS, E. MAMAS, F. ROMIOU, E. NIKITOS and J. KALOGIROU
Neogenesis IVF Centre, Athens, Greece
- P-57 **Correlation between sperm concentration and sperm DNA fragmentation**
P. D. KANTARTZI, K. CHATZIMELETIOU, D. G. GOULIS, A. LAMBROPOULOS, I. PAPADIMAS and B. C. TARLTAZIS
Section of Reproductive Medicine, First Department of Obstetrics & Gynecology, Aristotle University, Thessaloniki, Greece
- P-58 **Subfertile men with varicocele do not have significantly higher sperm DNA fragmentation levels than fertile controls**
P. D. KANTARTZI, K. CHATZIMELETIOU, D. G. GOULIS, A. LAMBROPOULOS, I. PAPADIMAS and B. C. TARLTAZIS
Section of Reproductive Medicine, First Department of Obstetrics & Gynecology, Aristotle University, Thessaloniki, Greece
- P-59 **Study on the different expression of heme oxygenase enzyme in human testis of fertile and infertile men**
Y. CHI¹, W. XIANG^{1,2}, H. GUAN^{1,2}, H. LI^{1,2}, C. XIONG^{1,2} and Y. GU³
¹Family Planning Research Institute and Center of Reproductive Medicine, Tongji Medical College, Huazhong University of Science and Technology, Wuhan, China; ²Tongji Reproductive Medicine Hospital, Wuhan, China; ³Medical College, University of Birmingham, Birmingham, UK

- P-60 **The association between varicocele, premature ejaculation and prostatitis symptoms: possible mechanisms**
F. LOTTI¹, G. CORONA^{1,6}, M. MANCINI², C. BIAGINI³, G. M. COLPI², S. DEGLI INNOCENTI¹, E. FILIMBERTI¹, M. GACCI⁴, C. KRAUSZ¹, A. SFORZA⁵, G. FORTI¹, E. MANNUCCI⁵ and M. MAGGI¹
¹Sexual Medicine and Andrology Unit, Department of Clinical Physiopathology, University of Florence, Florence, Italy; ²Andrology and Urology Unit, San Paolo Hospital, Milan, Italy; ³Alliance Medical SRL, Prato, Italy; ⁴Department of Urology, University of Florence, Florence, Italy; ⁵Diabetes Section, Geriatric Unit, Department of Critical Care, University of Florence, Florence, Italy; ⁶Endocrinology Unit, Maggiore-Bellaria Hospital, Bologna, Italy
- P-61 **Reproductive hormones and prolonged exposure to hypoxia during high-altitude trekking: correlation with body composition changes**
F. PELLICIONE¹, V. VERRATTI², A. D'ANGELI¹, G. IACUTONE¹, A. DE GREGORIO¹ and S. FRANCAVILLA¹
¹Department of Internal Medicine, University of L'Aquila, L'Aquila; ²Department of Basic and Applied Medical Sciences, G. D'Annunzio University, Chieti, Italy
- P-62 **Survey of status and requirement about sexual behavior and contraception among unmarried college/university students in China**
Y. ZHOU¹, X. PANG^{1,2}, H. GUAN^{1,2}, H. LI^{1,2} and C. XIONG^{1,2}
¹Family Planning Research Institute and Center of Reproductive Medicine, Tongji Medical College, Huazhong University of Science and Technology, Wuhan, China; ²Tongji Reproductive Medicine Hospital, Wuhan, China
- P-63 **Use of antioxidants decreases the presence of vacuoles in the sperm nucleus determined by high magnification microscopy**
R. LAFUENTE, G. LÓPEZ, A. MONQAUT and M. BRASSESCO
Centro de Infertilidad y Reproducción Humana (CIRH), Clínica Corachan, Barcelona, Spain
- P-64 **Role of PDE-5 inhibitors in delayed ejaculation**
J. Y. HONG¹, S. H. SONG^{2,3}, T. K. YOON⁴, S. H. SHIM⁵, Y. S. CHOI⁵ and C. W. BAK^{2,3}
¹Andrology Unit, Bundang CHA Medical Center, CHA University; ²Andrology Unit, Fertility Center, CHA Gangnam Medical Center, CHA University; ³Department of Urology, CHA Gangnam Medical Center, CHA University; ⁴Fertility Center, CHA Gangnam Medical Center, CHA University; ⁵Department of Biomedical Science, CHA Gangnam Medical Center, CHA University, Seoul, Korea
- P-65 **Male sexuality and cardiovascular risk. A cohort study in patients with erectile dysfunction**
G. CORONA^{1,4}, G. RASTRELLI¹, M. MONAMI², V. BODDI¹, F. LOTTI¹, G. DE VITA¹, C. MELANI³, D. BALZI¹, A. SFORZA⁴, G. FORTI¹, E. MANNUCCI² and M. MAGGI¹
¹Andrology Unit, University of Florence, Florence; ²Diabetes Section, Geriatric Unit, University of Florence, Florence; ³Epidemiological Unit, Azienda Sanitaria Locale 10, Florence, Italy; ⁴Endocrinology Unit, Maggiore-Bellaria Hospital, Bologna, Italy
- P-66 **Dehydroepiandrosterone and 7 α -hydroxydehydroepiandrosterone differentially regulate 11 β -hydroxysteroid dehydrogenase 1 in rat Leydig cells**
Y. HUANG¹, Y. CHU², G. HU³, H. ZHOU³, G. LIANG³, D. O. HARDY⁴, Q. Q. LIAN³, R. S. GE⁴
¹Jinan University, Guangzhou, China; ²Mudanjiang Medical University, Mudanjiang, China; ³Wenzhou Medical College, Wenzhou, China; ⁴Population Council, New York, USA
- P-67 **Higher free glucocorticoid levels are correlated with multiple lesions of Leydig cell steroidogenesis in male rats during psychosocial stress**
R. S. GE¹, Q. LIAN², K. YUAN², Y. ZHANG³, Y. CHU³, B. B. CHEN², C. M. SOTTAS¹ and D. O. HARDY¹
¹Population Council, New York, USA; ²Wenzhou Medical College, Wenzhou, China; ³Mudanjiang Medical University, Mudanjiang, China
- P-68 **Place of ART in the treatment of male infertility in patients with hypogonadotropic hypogonadism (HH): about 14 cases**
E. SZERMAN¹, A. CLERGEAU¹, C. JOLLY¹, M. JOUBERT² and Y. REZNIK²
¹Biology of Reproduction, Spermiologie-CECOS; ²Endocrinology CHU Av Cote de Nacre 14033 CAEN Cedex, France
- P-69 **Further insights into the role of T22²P variant of RXFP2 in non-syndromic cryptorchidism in two mediterranean populations**
E. ARS^{1,2}, D. LO GIACCO^{1,2}, L. BASSAS², F. NUTI⁴, O. RAJMIL², P. RÚIZ¹, J. M. GARAT³, E. RUIZ-CASTANÉZ and C. KRAUSZ^{2,4}
¹Molecular Biology Laboratory, Fundació Puigvert, Universitat Autònoma de Barcelona, Barcelona, Spain; ²Andrology Service, Fundació Puigvert, Universitat Autònoma de Barcelona, Barcelona, Spain; ³Paediatric Urology Division, Urology Service, Fundació Puigvert, Barcelona, Universitat Autònoma de Barcelona, Spain; ⁴Andrology Unit, Department of Clinical Physiopathology, Center of Research, Transfer and Higher Education on Chronic, Inflammatory, Degenerative and Neoplastic Disorders, University of Florence, Florence, Italy
- P-70 **Reliability of flow-cytometry for the quantitation of antibody load on sperm surface**
A. BARBONETTI¹, V. DI CLEMENTE¹, M. R. C. VASSALLO¹, D. FORTUNATO¹, F. SCIARRETTA¹, G. FELZANI² and FRANCAVILLA¹
¹Department of Internal Medicine, University of L'Aquila, Italy; ²IRCCS San Raffaele Sulmona, Italy
- P-71 **Investigation on mechanisms causing sperm DNA fragmentation**
M. MURATORI¹, S. MARCHIANI¹, L. TAMBURRINO¹, L. BETTI², B. OLIVITO², C. AZZARI², G. FORTI¹ and E. BALDI¹
¹Department of Clinical Physiopathology, Sexual Medicine and Andrology Unit, Center of Excellence for Research, Transfer and High Education "DeNothe", University of Florence, Florence, Italy; ²Department of Pediatrics, Anna Meyer Children's Hospital and University of Florence, Florence, Italy

- P-72 **8-hydroxy-guanosine (8-OH-G) in human sperm: relationship with semen quality and sperm DNA fragmentation (DF)**
L. TAMBURRINO, S. MARCHIANI, M. MURATORI, G. FORTI and E. BALDI
Department of Clinical Physiopathology, Sexual Medicine and Andrology Unit, Center of Excellence for Research, Transfer and High Education "DeNothe", University of Florence, Florence, Italy
- P-73 **SUMO1-ylation of human spermatozoa and its relation with semen quality**
S. MARCHIANI¹, L. TAMBURRINO¹, L. GIULIANO¹, D. NOSI², V. SARLI¹, L. GANDINI³, P. PIOMBONI⁴, G. BELMONTE¹, G. FORTI¹, E. BALDI¹ and M. MURATORI¹
¹*Department of Clinical Physiopathology, Sexual Medicine and Andrology Unit, Center of Excellence for Research, Transfer and High Education "DeNothe", University of Florence;* ²*Department of Anatomy, Histology & Forensic Medicine, University of Florence, Italy;* ³*Department of Medical Pathophysiology, University of Rome La Sapienza, Rome, Italy;* ⁴*Department of Biomedical Sciences, University of Siena, Italy*
- P-74 **Correlation between microalbuminuria, retinopathy and erectile dysfunction in patients with diabetes mellitus type II**
C. KOMNINOS, M. KARAVITAKIS, V. ACHTSIDIS, V. SIMAIOFORIDIS, S. KONTOS, G. LEFAKIS, V. POLITIS, S. KORITSIADIS and G. DOUMANIS
Andrology Clinic, Urology department of General Hospital Nikaia "Saint Panteleimon", Piraeus, Greece
- P-75 **Satisfaction degree after 16 – dots plication technique for corporoplasty**
J. SARQUELLA¹, C. PALMA^{1,2}, M. F. PERAZA¹, C. ROJAS¹, M. SOBRÓ N², J. SÁNCHEZ¹, A. VÁZQUEZ¹, H. SUÁREZ¹ and E. RUIZ-CASTAÑ É 1
¹*Servicio de Andrología, Fundació Puigvert, Barcelona, Spain;* ²*Universidad de Chile. Barcelona, Spain*
- P-76 **Utility of computed tomography angiography and vascular 3D reconstruction for diagnosis of post traumatic high flow priapism: case report**
H. J. SUÁREZ, O. RAJMIL, J. SARQUELLA, M. F. PERAZA, C. PALMA, A. VAZQUEZ, T. MARTIN and C. QUINTIAN
Fundació Puigvert. Andrology and Radiology Service, Barcelona, Spain
- P-77 **Identification of X-linked genetic factors involved in male infertility with a high resolution array-CGH**
C. GIACHINI¹, E. ROSSI², D. LO GIACCO³, E. ARS³, O. ZUFFARDI² and G. FORTI¹, C. KRAUSZ¹
¹*Andrology Unit, Department of Clinical Physiopathology, University of Florence, Florence, Italy;* ²*Medical Genetics, University of Pavia, Pavia, Italy;* ³*Andrology Service, Fundació Puigvert, Barcelona, Spain*
- P-78 **Localization of the human GAPDHS protein to the postacrosomal sperm head region**
A. DOROSH, L. DED, J. JELINKOVA and J. PEKNICOVA
Laboratory of Diagnostics for Reproductive Medicine, Institute of Biotechnology AS CR, v. v. i., Prague, Czech Republic
- P-79 **Reinke's crystals: are they related to cryptorchidism?**
D. JEŽ EK¹, V. KOZINA¹, D. GEIST², L. KUBINOVA³, H. J. KARNTHALER² and L. J. BANEK¹
¹*School of Medicine, University of Zagreb, Dept. Histology and Embryology, Zagreb, Croatia;* ²*University of Vienna, Institute of Materials Physics, Vienna, Austria;* ³*Academy of Sciences of the Czech Republic, Institute of Physiology, Department of Biomathematics, Prague, Czech Republic*
- P-80 **No variation among European semen quality during the last decade: a study on 27.942 male partners from couples undergoing oocyte donation**
E. SELLÉ S¹, N. GARRIDO², A. PELLICER² and M. MUÑOZ¹
¹*IVI-Alicante, Spain;* ²*IVI-Valencia, Spain*
- P-81 **Male infertility and seminoma in supernumerary scrotal testes**
J. K. WOLSKI^{1,6}, W. GRAJKOWSKA², K. SIKORA³, M. LIGA³, T. SZYDELKO⁴, D. STARCZEWSKI⁵, P. WIECHNO⁶ and T. DEMKOW⁶
¹*Fertility Clinic Novum, Andrology Unit, Warsaw, Poland;* ²*The Children's Memorial Health Institute, Department of Pathology, Warsaw, Poland;* ³*Maria Skłodowska-Curie Memorial Cancer Center, Department of Pathology, Warsaw, Poland;* ⁴*Silesian Piast University of Medicine, Department of Urology and Oncological Urology, Wrocław, Poland;* ⁵*Fertility Clinic Novum, Anesthesiology Unit, Warsaw, Poland;* ⁶*Maria Skłodowska-Curie Memorial Cancer Center, Department of Urology-Oncology, Warsaw, Poland*
- P-82 **Cardiovascular risk factors in males**
K. ALEXANDRAKI^{1,2}, S. ANTONIOU¹, N. APOSTOLOPOULOS³, A. ZILOS¹, G. KALTSAS¹ and V. SYRIOU¹
¹*Division of Endocrinology, Department of Pathophysiology, Laiko General Hospital, School of Medicine, National & Kapodistrian University of Athens, Athens, Greece;* ²*Department of Endocrinology, St. Bartholomew's Hospital, London, UK;* ³*Department of Obstetrics and Gynaecology, Queen's Hospital, Romford, UK*
- P-83 **Meiotic abnormalities in infertile males are not linked to adverse reproductive outcome**
L. BASSAS¹, C. PALMA¹, S. EGOZCUE³, J. SARQUELLA¹, A. MATA², A. VIVES¹, A. GARCÍA², P. VISCASILLAS⁴ and O. RAJMIL¹
¹*Andrology Service, Barcelona;* ²*Laboratory of Andrology and Embryology, Fundació Puigvert, Barcelona;* ³*Egozcue Genetics, Barcelona;* ⁴*Service de Gynecology, HSCSP, Barcelona, Spain*
- P-84 **Latent needs in andrological education: investigating trends across Europe**
G. LAVRANOS and R. ANGELOPOULOU
Department of Histology and Embryology, Medical School, Athens University, Greece

- P-85 **Effect of estrogens on boar sperm capacitation in vitro**
L. DED¹, P. DOSTALOVA¹, A. DOROSH¹, K. DVORAKOVA-HORTOVA² and J. PEKNICOVA¹
¹Laboratory of Diagnostics for Reproductive Medicine, Institute of Biotechnology, Academy of Sciences of the Czech Republic, v. v. i., Prague, Czech Republic; ²Department of Zoology, Faculty of Science, Charles University, Prague, Czech Republic
- P-86 **TMPRSS2:ERG fusion and SPINK1 expression in endocrine treated prostate cancer**
K. A. LEINONEN¹, T. T. TOLONEN^{1,2}, H. BRACKEN¹, U- H. STENMAN³, T. L. J. TAMMELA⁴, O. R. SARAMÄKI¹ and T. VISAKORPI¹
¹Institute of Medical Technology, University of Tampere and Tampere University Hospital, Tampere, Finland; ²Department of Pathology, Vaasa Central Hospital, Vaasa, Finland; ³Department of Clinical Chemistry, Helsinki University Central Hospital, Helsinki, Finland; ⁴Department of Urology, Tampere University Hospital, Tampere, Finland
- P-87 **An evaluation of prostate cancer gene 3 (PCA3) in patients with suspected prostate cancer**
A. H. L. WONG, H. ATTAR and J. GELISTER
Urology Department, Barnet and Chase Farm Hospitals NHS Trust
- P-88 **Synchronic and diachronic analysis of the folk theory of human reproduction: a uro- anthropological perspective**
D. SANTOS, J. M. GÓMEZ, M. JIMÉNEZ, L. M. HERRANZ, P. GARRIDO, C. SUÁREZ and M. FERNÁNDEZ
Department of Urology, Hospital del Henares, Coslada, Spain
- P-89 **Testicular and hormonal changes in spinal cord injured men**
C. S. GOKKAYA¹, C. OZDEN¹, O. DEMIRDAL¹, N. K. GOKKAYA², H. UCAN² and A. MEMIS¹
¹Ankara Numune Training and Research Hospital Urology Clinic; ²Ankara Physical Therapy and Rehabilitation Training and Research Hospital, Turkey
- P-90 **Metabolic syndrome can reduce the strenght of the serum testosterone level improvement in testosterone replacement for erectile dysfunction**
V. COCA¹, I. DUNCEA¹, M. C. COCA² and D. SIMU³
¹Endocrinology Division, County Hospital and University of Medicine and Pharmacy, Cluj-Napoca; ²Laboratory Division, County Hospital and University of Medicine and Pharmacy, Cluj-Napoca; ³Diabetes Division, County Hospital and University of Medicine and Pharmacy, Cluj-Napoca, Romania
- P-91 **Epidemiology of chronic prostatitis/chronic pelvic pain syndrome (CP/CPSS) and sexual dysfunction in Greek men**
T. H. DARDAVESSIS¹, P. E. MARAVELAKIS² and C. ASVESTIS³
¹Laboratory of Hygiene Medical School, Aristotle University of Thessaloniki; ²University of the Aegean, Department of Statistics and Actuarial- Financial Mathematics; ³Athenian Group for the Study of Andrological Diseases
- P-92 **Effect of varicocele on spermatozoal DNA integrity (TUNEL assay) and chromatin condensation (GRAM staining)**
R. ANGELOPOULOU¹, V. SYRIOU², A. KORAKAKI¹, M. CHALIKIAS³ and D. G. GOULIS⁴
¹Department of Histology and Embryology, Medical School, National and Kapodistrian University of Athens, Greece; ²Department of Pathophysiology, Division of Endocrinology, Medical School, National and Kapodistrian University of Athens, Greece; ³Technological Educational Institute of Piraeus, P. Ralli and Thivon 250, Athens, Greece; ⁴Unit of Reproductive Endocrinology, First Department of Obstetrics and Gynecology, Aristotle University of Thessaloniki, Greece
- P-93 **Aging and male sexuality: a general population survey**
M. S. VENETIKOU^{1,2}, K. BENETATOU¹, G. VITZILEOS³, L. PAPAGIANNOPOULOU³, T. LAMBOU⁴, N. VAIDAKIS⁵, C. DARVIRI^{1,3} and G. P. CHROUSSOS^{1,6}
¹Biomedical Research Foundation Academy of Athens; ²Department of Essential Medical Lessons SEYP, ATEI; ³Department of Health Visitors (Community Nursing), SEYP, ATEI, Athens; ⁴Department of Urology, Thriassio Hospital, Elefsina, Attica; ⁵Department of Psychiatry, Aiginition Hospital, University of Athens Medical School; ⁶A Paediatric Clinic, University of Athens Medical School, Greece
- P-94 **Attitudes to sperm donation in the Greek population**
G. VITZILEOS¹, K. DELITHODORIS¹, M. S. VENETIKOU^{2,3}, K. BENETATOU², L. PAPAGIANNOPOULOU¹, K. ALOUMANIS³ and T. LAMBOU⁴
¹Department of Health Visitors (Community Nursing), SEYP, ATEI, Athens; ²Biomedical Research Foundation Academy of Athens; ³Department of Essential Medical Lessons SEYP, ATEI, Athens; ⁴Department of Urology, Thriassio Hospital, Elefsina, Attica, Greece

Nikos Skalkotas Auditorium

19:00–20:30 **EAA General Assembly**

Friday 01.10.10

Nikos Skalkotas Auditorium

09:00–10:30 **Symposium 6: Epididymal function**
 Chairpersons • G. Haidl (GER), R. Angelopoulou (GRE)
Knock-out genes • A. Krutskikh (RUS)
Epididymo-orchitis: basic aspects • L. Lustig (ARG)
Epididymo-orchitis: clinical implications • H. C. Schuppe (GER)

Hall A

09:00–10:30 **Symposium 7: Young researchers session – Somatic compartment of the testis**
 Chairpersons • F. Tuettelmann (GER), J-B. Stukenborg (SWE)
Cell communication in the PTM - ARKO testes • M. Welsh (UK)

Short communications

INJR-1 **Androgen molecular mechanisms involved in regulation of the masculinisation programming window**
 A. DEAN, D. MACLEOD, L. SMITH and R. M. SHARPE
*Medical Research Council, Human Reproductive Sciences Unit, Centre for Reproductive Biology,
 The Queens Medical Research Institute, Edinburgh, EH16 4TJ, Scotland, United Kingdom*

INJR-2 **Cytotoxic effects of atrazine on Sertoli-germ cell co-culture and the protective potential of quercetin**
 S. O. ABARIKWU¹, E. O. FAROMBI² and A. B. PANT³
¹*Department of Chemical Sciences, Redeemer's University, Redemption City, Nigeria;* ²*Drug Metabolism
 and Toxicology Research Laboratories, Department of Biochemistry, University of Ibadan, Ibadan, Nigeria;* ³*Indian
 Institute of Toxicology Research, Lucknow*

INJR-3 **Fertility in men with congenital and acquired undescended testes**
 J. VAN BRAKEL¹, G. R. DOHLE¹, S. M. P. F. DE MUINCK KEIZER-SCHRAMA² and F. W. J. HAZEBROEK³
¹*Department of Urology, Erasmus MC;* ²*Department of Pediatric Endocrinology, Erasmus MC;* ³*Department of Pediatric
 Surgery, Erasmus MC, Rotterdam, the Netherlands*

INJR-4 **Non-linear association between androgen receptor CAG repeat length and risk of male subfertility: a meta-analysis**
 H. NENONEN, A. GIWERCMAN and Y. LUNDBERG GIWERCMAN
Lund University, Department of Clinical Sciences, Malmö, Sweden

Nikos Skalkotas Auditorium

10:30–11:00 **Plenary lecture 3**
 Chairperson • E. Rajpert-De Meyts (DAN)
IJA lecture: Sperm biology for andrologists • J. Aitken (AUS)

11:00–11:30 **Break**

Nikos Skalkotas Auditorium

11:30–13:30 **Symposium 8: Management of male factor subfertility**
 Chairpersons • D. A. Adamopoulos (GRE), G. M. Colpi (ITA)
Progressively deteriorating semen quality: The role of ART • H. Yavetz (ISR)
Options for medical management • S. Francavilla (ITA)
Controversies on TESE mode • T. Diemer (GER)
Variocoele: an update • N. Sofikitis (GRE)

Hall A

11:30–13:30 **Selected oral presentations 4 (O4-37–O4-48)**
 Chairpersons • R. Mieusset (FRA), Kopa Zs (HUN)

O4-37 **Comparison of efficacy and satisfaction profile, between penile prosthesis implantation and oral PDE-5 inhibitor Tadalafil therapy, in men with nerve – sparing radical prostatectomy erectile dysfunction**
 G. MEGAS, G. STATHOUROS, I. GIALAS and K. DOUMAS
General Hospital of Athens 'G. Gemimatas', Urology Department, Greece

O4-38 **Autoeroticism, mental health and organic disturbances in patients with erectile dysfunction**
 G. CORONA^{1,3}, G. RASTRELLI¹, V. RICCA², V. BODDI¹, E. BANDINI¹, F. LOTTI¹, A. D. FISHER¹,
 A. SFORZA³, G. FORTI¹, E. MANNUCCI¹ and M. MAGGI¹
¹*Andrology Unit, University of Florence, Florence, Italy;* ²*Psychiatry Unit, University of Florence, Florence, Italy;*
³*Endocrinology Unit, Maggiore-Bellaria Hospital, Bologna, Italy;* ⁴*Diabetes Section Geriatric Unit, University of Florence, Florence, Italy*

- O4-39 **Is obesity a further cardiovascular risk factor in patients with erectile dysfunction?**
G. CORONA^{1,5}, G. RASTRELLI¹, M. MONAMI², V. BODDI¹, F. NELLI³, D. BALZI³, C. MELANI⁴, A. SFORZA⁵, C. M. ROTELLA⁶, G. FORTI⁶, E. MANNUCCI² and M. MAGGI¹
¹Andrology Unit, University of Florence, Florence; ²Diabetes Section, Geriatric Unit, University of Florence, Florence; ³Department of Urology, University of Florence, Florence, Italy; ⁴Epidemiological Unit, Azienda Sanitaria Locale 10, Florence Italy; ⁵Endocrinology Unit, Bologna, Italy; ⁶Endocrinology Unit, University of Florence, Florence, Italy
- O4-40 **Sexual dysfunctions in subjects with Klinefelter's syndrome**
G. CORONA^{1,3}, G. RASTRELLI¹, L. PETRONE¹, F. PAGGI², F. LOTTI¹, V. BODDI¹, A. FISHER¹, L. VIGNOZZI¹, G. BALERCA², A. SFORZA³, V. FORTI¹, E. MANNUCCI⁴ and M. MAGGI¹
¹Andrology Unit and Endocrinology, University of Florence, Florence, Italy; ²Endocrinology Unit, Polytechnic University of Marche, Ancona, Italy; ³Endocrinology Unit, Maggiore-Bellaria Hospital, Bologna, Italy; ⁴Diabetes Section Geriatric Unit, University of Florence, Florence, Italy
- O4-41 **Severe depressive symptoms and cardiovascular risk in subjects with erectile dysfunction**
E. BANDINI¹, A. D. FISHER¹, G. CORONA^{1,2}, V. RICCA³, M. MONAMI⁴, V. BODDI¹, D. BALZI⁵, C. MELANI⁵, G. FORTI¹, E. MANNUCCI⁴ and M. MAGGI¹
¹University of Florence, Andrology Unit, Department of Clinical Physiopathology, Florence, Italy; ²Maggiore-Bellaria Hospital, Endocrinology Unit, Bologna, Italy; ³University of Florence, Psychiatry Unit, Department of Neurological and Psychiatric Sciences, Florence, Italy; ⁴University of Florence, Diabetes Section, Geriatric Unit, Department of Critical Care, Florence, Italy; ⁵Epidemiological Unit, Azienda Sanitaria Locale 10, Florence, Italy
- O4-42 **Dimensional profiles of male to female gender identity disorder**
A. D. FISHER¹, E. BANDINI¹, V. RICCA², N. FERRUCCIO¹, G. CORONA^{1,3}, M. C. MERIGGIOLA⁴, E. A. JANNINI⁵, C. MANIERI⁶, J. RISTORI¹, G. FORTI¹, E. MANNUCCI⁷ and M. MAGGI¹
¹University of Florence, Andrology Unit, Department of Clinical Physiopathology, Florence, Italy; ²University of Florence, Psychiatry Unit, Department of Neurological and Psychiatric Sciences, Florence, Italy; ³Maggiore-Bellaria Hospital, Endocrinology Unit, Bologna, Italy; ⁴Center for Reproductive Health, Department of Obstetrics and Gynecology, S.Orsola Hospital, University of Bologna, Bologna, Italy; ⁵Course of Endocrinology and Medical Sexology, Department of Experimental Medicine, University of L'Aquila, L'Aquila, Italy; ⁶S.C.D.U. Endocrinology and Metabolic Disease, University of Turin, Turin, Italy; ⁷University of Florence, Diabetes Section, Geriatric Unit, Department of Critical Care, Florence, Italy
- O4-43 **Intrauterine tuboperitoneal insemination (IUTPI): 8 years experience**
L. MAMAS, E. MAMAS, F. ROMIOU, E. NIKITOS and P. POLYZOS
Neogenesis IVF Centre, Athens, Greece
- O4-44 **Ultrasonographic and clinical correlates of seminal plasma Interleukin 8 levels in male accessory gland infections**
F. LOTTI¹, G. CORONA^{1,2}, M. MANCINI³, E. FILIMBERTI¹, S. DEGLI INNOCENTI¹, G. M. COLPI³, E. BALDI¹, I. NOCI⁴, G. FORTI¹, L. ADORINI⁵ and M. MAGGI¹
¹Sexual Medicine and Andrology Unit, Department of Clinical Physiopathology, University of Florence, Florence, Italy; ²Endocrinology Unit, Maggiore-Bellaria Hospital, Bologna, Italy; ³Andrological Urology Unit and IVF Center, San Paolo Hospital, University of Milan, Milan, Italy; ⁴Department of Obstetrics and Gynaecology, University of Florence, Florence, Italy; ⁵Intercept Pharmaceuticals, Corciano (Perugia), Italy
- O4-45 **Higher serum levels of gonadotropins are predictive for testicular dysgenesis syndrome**
A. GUMINSKA¹, E. OSZUKOWSKA², R. WALCZAK-JEDRZEJOWSKA², K. MARCHLEWSKA¹, K. KULA² and J. SLOWIKOWSKA-HILCZER¹
¹Divisions of Reproductive Endocrinology; ²Andrology, Medical University of Lodz, Poland
- O4-46 **Insulin resistance and idiopathic dyspermia**
M. ALEXIOU, G. MITIOS, I. ILIAS, P. PETROTZOGLI, E. VENAKI, E. KOUKKOU and S. C. NICOPOULOU
Department of Endocrinology, Elena Venizelou Hospital, Athens, Greece
- O4-47 **Testosterone replacement improves metabolic syndrome and inflammation independently of body fat mass changes**
E. GIANNETTA, A. M. ISIDORI, S. PIEROTTI, F. LOLLI, C. POZZA, D. GIANFRILLI, A. AVERSA, V. BONIFACIO and A. LENZI
Department of Medical Pathophysiology, University "Sapienza", Rome, Italy
- O4-48 **Impaired gonadostat function after cryptorchidism: unilateral and bilateral condition may require different treatments**
E. OSZUKOWSKA¹, W. KUZAŃSKI², J. NIEDZIELSKI², R. WALCZAK-JĘDRZEJOWSKA¹, W. KULA³, K. MARCHLEWSKA¹, A. GUMIŃSKA¹, J. SŁOWIKOWSKA-HILCZER¹ and K. KULA¹
¹Department of Andrology and Reproductive Endocrinology; ²Department of Pediatric Surgery and Oncology; ³Department of Experimental and Clinical Physiology, Medical University of Lodz, Poland
- 13:30–15:00 **Long break (Hall A only)**
- Nikos Skalkotas Auditorium
- 13:30–15:00 **Satellite event 2: Testosterone replacement therapy: Translation of new knowledge into clinical practice**
Chairpersons • M. Zitzmann (GRE), D. G. Goulis DG (GRE)
Many hormones, one axis: The complex physiology of gonadotropin regulation • T. Raivio (FIN)
Late Onset Hypogonadism: When to treat? • H. M. Behre (GER)
Sponsored Lecture chairperson • D. Hatzichristou (GRE)
Hypogonadism and diabetes type 2: An evidence-based approach (sponsored event) • T. H. Jones (UK)

- 15:00–17:00 **Symposium 9: Spermatogenesis – basic aspects**
 Chairpersons • K. Kula (POL), C. Krausz (ITA)
 Small RNAs • N. Kotaja (FIN)
 Copy number variants • Y. Giwercman (SWE)
 Regulation of meiosis • W. M. Baarends (NET)
- Hall A
- 15:00–17:00 **Selected oral presentations 5 (O5–49–O5–60)**
 Chairpersons • M. Simoni (ITA), D. Panidis (GRE)
- O5–49 **Evaluation of the initial semen analysis in Greek infertile couples**
 E. EVGENI¹, I. ILIAS², M. ALEXIOU², E. KOUKKOU², E. VENAKI², G. LYMBEROPOULOS¹ and S. C. NICOPOULOU²
¹Seminology Laboratory, Athens, Greece; ²Endocrine Department “Elena Venizelou” Hospital, Athens, Greece
- O5–50 **Analysis of sperm chromosomal abnormalities in men with globozoospermia**
 S. BRAHEM, M. MEHDI, M. AJINA, S. IBALA, H. ELGHEZAL and SAAD ALI
 Laboratoire de Cytogénétique, Biologie Moléculaire et Biologie de la Reproduction Humaines, CHU Farhat Hached, Sousse, Tunisie
- O5–51 **Improvement of semen quality in infertile men after spermatic vein embolization**
 A. P. SOUSA^{1,2}, B. PARADA¹, V. CARVALHEIRO¹, AND T. ALMEIDA SANTOS^{1,3}
¹Human Reproduction Service, University Hospitals of Coimbra; ²Center for Neuroscience and Cell Biology, Department of Life Science; ³Faculty of Medicine, University of Coimbra, Portugal
- O5–52 **Evaluation of sexual function in hypertensive men receiving treatment: a review of current guidelines recommendation**
 M. KARAVITAKIS, C. KOMNINOS, G. LEFAKIS, V. SIMAIOFORIDIS, S. KONTOS, K. MITSIOS,
 S. KORITSIADIS and G. DOUMANIS
 Andrology Clinic, Urology Department, General Hospital Of Nikaia “St. Panteleimon”, Peiraeus, Greece
- O5–53 **Embolization of the deep dorsal vein with 96% ethanol for treatment of the venogenic erectile dysfunction**
 M. CHOCHOLATÝ¹, P. HANEK¹, R. PADR², L. JAROLIM¹ and M. BABJUK¹
¹Department of Urology, University Hospital Motol, Prague, Czech Republic; ²Department of Radiological Techniques, University Hospital Motol, Prague, Czech Republic
- O5–54 **Osteoporosis risk factors in a male population**
 K. ALEXANDRAKI^{1,2}, N. APOSTOLOPOULOS³, S. ANTONIOU¹, D. THOMAS¹, G. KANAKIS¹, G. KALTSAS¹ and V. SYRIOU¹
¹Division of Endocrinology, Department of Pathophysiology, Laiko General Hospital, School of Medicine, National & Kapodistrian University of Athens, Athens, Greece; ²Department of Endocrinology, St. Bartholomew’s Hospital, London, UK; ³Department of Obstetrics and Gynaecology, Queen’s Hospital, Romford, UK
- O5–55 **Use of contrast enhanced ultrasound (CEUS) and magnetic resonance imaging (MRI) in the characterization of non-palpable testicular lesions**
 A. M. ISIDORI¹, C. POZZA¹, F. FIERRO², E. GIANNETTA¹, V. BONIFACIO¹, L. MANGANARO² and A. LENZI²
¹Department of Medical Pathophysiology, “Sapienza” University of Rome, Italy; ²Department of Radiological Sciences, “Sapienza” University of Rome, Italy
- O5–56 **Androgen-dependance of alpha-1,4-glycosidase and epididimal L-carnitine in contracepted men**
 H. BEN ALI
 Department of Histology-Embryology, Cytogenetics and Reproductive Biology. Faculty of Medicine of Sousse, Tunisia
- O5–57 **MIVAS: New Microsurgical Varicocelectomy through Scrotal access**
 G. TRITTO^{1,2}, S. RUSSO², G. QUARANTA² and E. ERDEI³
¹WABT -I-MHM, Paris, France; ²International Male Infertility and Microsurgery Center, Clinic Center Hera, Naples, Italy; ³Ciris, Budapest, Hungary
- O5–58 **Vitamin D status is associated with erectile dysfunction in the European Male Ageing Study (EMAS)**
 D. M. LEE¹, D. B. O’CONNOR², G. CORONA³, A. TAJAR¹, G. FORTI³, T. W. O’NEILL¹, S. BOONEN⁴,
 D. VANDERSCHUEREN⁵, F. F. CASANUEVA⁶, I. T. HUHTANIEMI⁷ and F. C. W. WU⁸
¹Epidemiology Research Group, Translational Medicine, The University of Manchester, UK; ²Institute of Psychological Sciences, University of Leeds, UK; ³Andrology Unit, Clinical Physiopathology, University of Florence, Italy; ⁴Division of Gerontology and Geriatrics, Katholieke Universiteit Leuven, Belgium; ⁵Department of Andrology and Endocrinology, Katholieke Universiteit Leuven, Belgium; ⁶Department of Medicine, Santiago de Compostela University, Spain; ⁷Department of Reproductive Biology, Imperial College London, UK; ⁸Andrology Unit, Department of Medicine, The University of Manchester, UK
- O5–59 **Sexual and prostate health in a longitudinal, European cohort study: The Registry of Hypogonadism in Men (RHYME)**
 R. C. ROSEN, A. B. ARAUJO, F. C. W. WU, H. M. BEHRE, A. S. DOBS, C. G. ROEHRBORN, F. SCHRÖDER,
 G. R. CUNNINGHAM, M. MAGGI, E. J. MEULEMAN, F. SANDI SIAMI and J. V. V. BREWER
 The Registry of Hypogonadism in Men (RHYME)
- O5–60 **Perceived ejaculate volume reduction in subjects with erectile dysfunction: psycho-biological correlates**
 G. CORONA^{1,3}, G. RASTRELLI¹, V. BODDI¹, M. GACCI², A. SFORZA³, G. FORTI¹, E. MANNUCCI⁴ and M. MAGGI¹
¹Andrology Unit and Endocrinology, University of Florence, Florence, Italy; ²Department of Urology, University of Florence, Florence, Italy, Italy; ³Endocrinology Unit, Maggiore-Bellaria Hospital, Bologna, Italy; ⁴Diabetes Section, Geriatric Unit, University of Florence, Florence, Italy

17:00–17:15 **Break**

Nikos Skalkotas Auditorium

17:15–17:45 **Plenary lecture 4**
Chairperson • I. Huhtaniemi (UK)
Hypogonadotropic hypogonadism • T. Raivio (FIN)

17:45–18:00 **Closing Remarks**