

Basic science in sexual medicine: Pathophysiology and new treatment options

Poster Session 84

Monday, 27 March
15:45 - 17:15

Location: Room Berlin, North Hall (Level 1)

Chairs: M. Albersen, Leuven (BE)
F. Castiglione, Milan (IT)
L. Lund, Odense (DK)

Aims and objectives of this session

This session will provide the audience with latest news regarding pathophysiological mechanisms behind erectile dysfunction. Furthermore, evidence from in vitro and animal studies on possible new treatment options for erectile dysfunction, peyronies disease and hypogonadism will be presented. The audience will walk away with an idea of the future direction in the world of andrology.

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.

- 1110 **Functional brain imaging shows a correlation between distended seminal vesicles and specific brain activity in young men**
By: Weisstanner C.², Wapp M.², Schmitt M.³, Puig S.⁴, Mordasini L.⁵, Wiest R.², Thalmann G.³, [Birkhäuser F.](#)¹
Institutes:¹Hirslanden Klinik St. Anna, Dept. of Urology St. Anna, Luzern, Switzerland, ²University Hospital Bern, Dept. of Diagnostic and Interventional Neuroradiology, Bern, Switzerland, ³University Hospital Bern, Dept. of Urology, Bern, Switzerland, ⁴University Hospital Bern, Dept. of Diagnostic, Pediatric and Interventional Radiology, Bern, Switzerland, ⁵Luzerner Kantonsspital, Dept. of Urology, Luzern, Switzerland
- 1111 **Immune modulation with etanercept on hypogonadism induced by hyperprolactinemic status**
By: [Huang W.](#)¹, Wang Z-L.², Yang L-Y.³, Chen H-H.², Lin H-H.², Tsai Y-T.²
Institutes:¹National Yang-Ming University Taipei Veterans General Hospital, Dept. of Urology and Physiology, Taipei, Taiwan, ²National Yang-Ming University, Dept. of Physiology, Taipei, Taiwan, ³National Yang-Ming University, Taipei Veterans General Hospital, Dept. of Pediatrics, Taipei, Taiwan
- *1112 **Development and validation of a phenotypic high-throughput, cell-based assay for anti-myofibroblast activity in Peyronie's disease**
By: [Ilg M.M.](#)¹, Mateus M.¹, Stebbeds W.², Ameyaw B.², Raheem A.³, Spilotros M.³, Capece M.³, Parnham A.³, Garaffa G.³, Christopher N.³, Muneer A.³, Cellek S.¹, Ralph D.³
Institutes:¹Anglia Ruskin University, Faculty of Medical Science, Chelmsford, United Kingdom, ²Cranfield University, Cranfield Health, Bedfordshire, United Kingdom, ³University College London Hospital, Dept. of Andrology, London, United Kingdom
- 1113 **Androgen receptor (AR) gene (CAG)n and (GGN)n length polymorphisms and symptoms in young males with long-lasting adverse effects after finasteride use against androgenic alopecia**
By: [Chiriaco G.](#)¹, Cauci S.², Cecchin E.³, Toffoli G.³, Xodo S.⁴, Stinco G.⁵, Trombetta C.¹
Institutes:¹Azienda Ospedaliero Universitaria di Trieste, Dept. of Urology, Trieste, Italy, ²University of Udine, Dept. of Medical and Biological Sciences, Udine, Italy, ³CRO Aviano National Cancer Institute, Experimental and Clinical Pharmacology Unit, Aviano, Italy, ⁴University Hospital Santa Maria Della Misericordia, University of Udine, Udine, Italy, ⁵University Hospital Santa Maria Della Misericordia, Dept. of Dermatology, Udine, Italy

- 1114 **The efficacy of human testicular stromal cell and neuronal precursor cell in a mouse model of cavernous nerve injury**
 By: Choi K.H.¹, Ki B.S.², Lee S.R.¹, Hong Y.K.¹, Park D.S.¹, Lee D.R.²
 Institutes:¹CHA University, Dept. of Urology, Seongnam, South Korea, ²CHA University, Dept. of Biomedical Science, College of Life Science, Seongnam, South Korea
- 1115 **Erectile dysfunction (ED) secondary to radical prostatectomy is associated with selective down-regulation of nitroergic innervation in human cavernosal tissue**
 By: Martínez-Salamanca J.J.¹, Martínez-Salamanca E.², La Fuente J.², Pepe-Cardoso A.², Louro N.², Carballido J.A.¹, Angulo J.²
 Institutes:¹Hospital Universitario Puerta de Hierro-Majadahonda, Dept. of Urology, Majadahonda, Spain, ²Hospital Universitario Ramón Y Cajal, IRYCIS, Madrid, Spain
- 1116 **Restoration of erectile function with intracavernous injections of smooth muscle progenitor cells after bilateral cavernous nerve injury in rats**
 By: Chiang B.J.¹, Liao C-H.¹, Chiang H-S.², Wu Y-N.²
 Institutes:¹Cardinal Tien Hospital, Dept. of Urology, New Taipei City, Taiwan, ²Fu-Jen Catholic University, Dept. of Urology, New Taipei City, Taiwan
- *1117 **Additive pro-erectile effect of low intensity-shockwave therapy (Li-ESWT) delivered by Aries® combined with sildenafil in spontaneously hypertensive rats (SHR)**
 By: Assaly-Kaddoum R.², Giuliano E.¹, Compagnie S.², Bernabé J.², Behr-Roussel D.²
 Institutes:¹Université De Versailles Saint-Quentin-En-Yvelines, AP-HP Raymond Poincaré Hospital-Dept. of Neurological Rehabilitation, Garches, France, ²Université De Versailles Saint-Quentin-En-Yvelines, Pelvipharm, Montigny-Le-Bretonneux, France
- 1118 **Resveratrol restores erectile function in irradiated rats: Role on SIRT-1 and nNOS protein expressions**
 By: Uner T.E.¹, Tavukcu H.H.², Atasoy B.M.³, Cevik O.⁴, Kaya O.T.⁵, Cetinel S.⁶, Degerli A.³, Tinay I.¹, Simsek F.¹, Akbal C.¹, Sener G.⁵
 Institutes:¹Marmara University School of Medicine, Dept. of Urology, Istanbul, Turkey, ²Istanbul Bilim University, Istanbul Florence Nightingale Hospital, Dept. of Urology, Istanbul, Turkey, ³Marmara University, School of Medicine, Dept. of Radiation Oncology, Istanbul, Turkey, ⁴Cumhuriyet University, School of Pharmacy, Dept. of Biochemistry, Sivas, Turkey, ⁵Marmara University, School of Pharmacy, Dept. of Pharmacology, Istanbul, Turkey, ⁶Marmara University, School of Medicine, Dept. of Histology & Embryology, Istanbul, Turkey
- 1119 **Role of PI3K/AKT in the erectile dysfunction from metabolic syndrome rats**
 By: Li R., Wang T., Yang J., Zhang Y., Ruan Y., Li H., Cui K., Wang S., Rao K., Liu J.
 Institutes:Tongji Hospital of Tongji Medical College, Huazhong University of Science and Technology, Dept. of Urology, Wuhan, China
- 1120 **Activation of Nrf2 improves endothelial function in corpus cavernosum from aged rats and in corpus cavernosum and penile arteries from ED patients**
 By: Martínez-Salamanca J.J.¹, El Assar M.², Fernández A.², Sánchez-Ferrer A.², Fraile A.³, Rodríguez-Mañas L.⁴, Carballido J.A.¹, Angulo J.²
 Institutes:¹Hospital Universitario Puerta de Hierro-Majadahonda, Dept. of Urology, Majadahonda, Spain, ²Hospital Universitario Ramón Y Cajal, IRYCIS, Madrid, Spain, ³Hospital Universitario Ramón Y Cajal, Dept. of Urology, Madrid, Spain, ⁴Hospital Universitario De Getafe, Dept. of Geriatrics, Madrid, Spain
- 1121 **Preserved erectile function in the hyperhomocysteinaemia transgenic rat harboring human tissue kallikrein 1**
 By: Cui K., Tang Z., Luan Y., Rao K., Wang T., Chen Z., Liu J.
 Institutes:Tongji Hospital, Tongji Medical College, Huazhong University of Science and Technology, Dept. of Urology, Wuhan, China

17:00 - 17:07

Summary

M. Albersen, Leuven (BE)