Basic science in sexual medicine: Pathophysiology and new treatment options
Poster Session 84

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.

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Functional brain imaging shows a correlation between distended seminal vesicles and specific brain activity in young men
By: Weisstanner C.¹, Wapp M.², Schmitt M.³, Puig S.⁴, Mordasini L.⁵, Wiest R.², Thalmann G.³, Birkhäuser F.¹
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Immune modulation with etanercept on hypogonadism induced by hyperprolactinemic status
By: Huang W.¹, Wang Z-L.², Yang L-Y.², Chen H-H.², Lin H-H.², Tsai Y-T.²
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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.², Garaffa G.³, Christopher N.³, Muneer A.³, Cellek S.¹, Ralph D.³
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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: Chiriacò G.¹, Cauci S.², Cecchin E.², Toffoli G.³, Xodo S.⁴, Stinco G.³, 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

Scientific Programme
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
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Erectile dysfunction (ED) secondary to radical prostatectomy is associated with selective down-regulation of nitrergic innervation in human cavernosal tissue
By: Martínez-Salamanca J.I.¹, Martínez-Salamanca E.², La Fuente J.², Pepe-Cardoso A.², Louro N.², Carballido J.A.¹, Angulo J.²
Institutes: Hospital Universitario Puerta de Hierro-Majadahonda, Dept. of Urology, Majadahonda, Spain, ²Hospital Universitario Ramón Y Cajal, IRYCIS, Madrid, Spain

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
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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 F.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

Resveratrol restores erectile function in irradiated rats: Role on SIRT-1 and nNOS protein expressions
By: Şener 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
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Role of PI3K/AKT in the erectile dysfunction from metabolic syndrome rats
Institutes: Tongji Hospital of Tongji Medical College, Huazhong University of Science and Technology, Dept. of Urology, Wuhan, China

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.I.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
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Preserved erectile function in the hyperhomocysteinaemia transgenic rat harboring human tissue kallikrein 1
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Summary