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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**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.³, Wiest R.², Thalmann G.³, Birkhäuser F.³

**Institutes:**  
1. Hirslanden Klinik St. Anna, Dept. of Urology St. Anna, Luzern, Switzerland  
2. University Hospital Bern, Dept. of Diagnostic and Interventional Neuroradiology, Bern, Switzerland  
3. University Hospital Bern, Dept. of Urology, Bern, Switzerland  
4. University Hospital Bern, Dept. of Diagnostic, Pediatric and Interventional Radiology, Bern, Switzerland  
5. Luzerner 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.², Chen H.-H.², Lin H.-H.², Tsai Y.-T.²

**Institutes:**  
1. National Yang-Ming University Taipei Veterans General Hospital, Dept. of Urology and Physiology, Taipei, Taiwan  
2. National Yang-Ming University, Dept. of Physiology, Taipei, Taiwan  
3. National 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.¹, Mateus M.¹, Stebbeds W.², Ameyaw B.², Raheem A.³, Spilrotos M.³, Capece M.³, Parnham A.³, Garaffa G.³, Christopher N.³, Muneer A.³, Cellek S.¹, Ralph D.³

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1. Anglia Ruskin University, Faculty of Medical Science, Chelmsford, United Kingdom  
2. Cranfield University, Cranfield Health, Bedfordshire, United Kingdom  
3. University 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: Chiriacò G.¹, Caucci S.², Cecchin E.³, Toffoli G.³, Xodo S.⁴, Stincu G.⁵, Trombetta C.¹

**Institutes:**  
1. Azienda Ospedaliero Universitaria di Trieste, Dept. of Urology, Trieste, Italy  
2. University of Udine, Dept. of Medical and Biological Sciences, Udine, Italy  
3. CRO Aviano National Cancer Institute, Experimental and Clinical Pharmacology Unit, Aviano, Italy  
4. University Hospital Santa Maria Della Misericordia, University of Udine, Udine, Italy  
5. University 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 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

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
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*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 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

1118 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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1119 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

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.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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1121 Preserved erectile function in the hyperhomocysteinaemia transgenic rat harboring human tissue kallikrein 1
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)