Future and new approaches in the treatment of male sexual dysfunction
Poster Session 72

Monday 19 March
12:15 - 13:45

Location: Blue Area, Room 5 (Level 0)
Chairs: J.I. Martínez Salamanca, Madrid (ES)
F. Castiglione, London (GB)
F. Giuliano, Garches (FR)

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.

976

Effects of controlled oxygen release from hollow microparticles for prolonged stem cell survival and improved erectile function

By: Park Y.H. 1, Kim M.Y. 1, Jung A.R. 1, Lee K.W. 1, Ha U.S. 1, Hong S.H. 1, Kim S.W. 1, Lee J.Y. 1, Kang S.M. 2
1The Catholic University of Korea, Seoul St. Mary’s Hospital, Dept. of Urology, Seoul, Korea, South, 2The Catholic University of Korea, Seoul, St Mary’s Hospital, Dept. of Urology, Seoul, Korea, South

977

STIM/Orai calcium entry system contributes to contractility of human penile smooth muscle, becoming a potential therapeutic target in erectile dysfunction

By: Romero Otero J. 1, Angulo J. 2, Medina-Polo J. 1, García-Gómez B. 1, El Assar M. 3, La Fuente J. 4, Fernández A. 5, Sánchez-Ferrer A. 6, Sevilleja-Ortiz A. 7, Rodríguez-Mañas L. 8
1Hospital Universitario 12 de Octubre, Dept. of Urology, Madrid, Spain, 2Ramón y Cajal Sanitary Investigation Institute (IRYCYIS), Hospital Ramón y Cajal, Dept Histology, Investigation, Traslational Investigation in Cardiology Unit, Madrid, Spain, 3Hospital Universitario de Getafe, Investigation Foundation, Getafe, Spain, 4Hospital Santo Antonio, Dept. of Urology, Porto, Portugal, 5Ramón y Cajal Sanitary Investigation Institute (IRYCYIS), Hospital Ramón y Cajal, Translacional Investigation in Cardiology Unit, Madrid, Spain, 6Sanitary Investigation Foundation, Hospital Universitario de Getafe, Getafe, Spain, 7Ramón y Cajal Sanitary Investigation Institute (IRYCYIS), Hospital Ramón y Cajal, Dept. of Histology-Investigation, Madrid, Spain, 8Hospital Univeristario de Getafe, Dept. of Geriatrics, Getafe, Spain

978

Synergy of nanofibrous meshes for the differentiation of transplanted mesenchymal stem cells into neuron-like cells around the injured cavernous nerve of rats

By: Song Y.S. 1, Song E.S. 2, Lee H.J. 3, Choi S.S. 3, Doo S.W. 1, Kim J.H. 1, Yun J.H. 4, Yang W.J. 1, Lee S.J. 5
1Soonchunhyang University College of Medicine, Dept. of Urology, Seoul, Korea, South, 2Inha University College of Medicine, Dept of Obstetrics and Gynecology, Incheon, Korea,
Intratunical injection of human adipose tissue–derived stem cells partially reverts fibrosis and restores collagen III/I ratio in a rat model of chronic Peyronie’s disease

By: Castiglione F.¹, Hedlund P. ², Weyne E. ³, Dewulf K. ³, Hakim L. ⁴, Montorsi F. ⁵, Bivalacqua T. ⁶, De Ridder D. ³, Milenkovic U. ³, Ralph D. ⁷, Garaffa G. ⁷, Muneer A. ⁷, Steven J. ³, Albersen M. ³

¹University College London Hospitals, Dept. of Andrology, London, United Kingdom, ²Linköping University, Division of Drug Research, Dept. of Medical and Health Sciences, Linköping, Sweden, ³University of Leuven, Laboratory for Experimental Urology, Organ systems, Dept. of Development and Regeneration, Leuven, Belgium, ⁴Airlangga University/Dr Soetomo General Hospital, Dept. of Urology, Surabaya, Indonesia, ⁵IRCCS Ospedale San Raffaele, Dept. of Oncology and Urology, Milan, Italy, ⁶Johns Hopkins Medical Institutions,, Dept. of Urology, Baltimore, United States of America, ⁷University College London Hospitals, Dept. of Andrology, London, United Kingdom

Major pelvic ganglion neurons express CXCR4, which binds stromal derived factor-1 and enhances neurotrophin protein levels and neurogenesis

By: Sopko N. ¹, Matsui H. ², Joice G. ¹, Pak E. ³, Yoshida T. ¹, Liu X. ¹, Hannan J. ³, Bivalacqua T. ¹

¹The Johns Hopkins School of Medicine, Dept. of Urology, Baltimore, United States of America, ²The University of Tokyo, Dept. of Urology, Tokyo, Japan, ³East Carolina University, Dept. of Physiology, Greenville, United States of America

Low intensity-shockwave therapy (Li-ESWT) delivered by Aries® improves erectile function and decreases cavernosal fibrosis of spontaneously hypertensive rats (SHR)

By: Giuliano F. ¹, Assaly-Kaddoum R. ², Laurin M. ², Bernabé J. ², Behr-Roussel D. ²

¹Université Versailles Saint Quentin en Yvelines, Pelvipharm, Dept. of Urology, Montigny-le-Bretonneux, France, ²Université Versailles Saint Quentin en Yvelines, Pelvipharm, Montigny-le-Bretonneux, France

Galanin administration partially restores erectile function after cavernous nerve injury and mediates endogenous nitrinergic nerve outgrowth in vitro

By: Weyne E. ¹, Hannan L. ², Matsui H. ³, Sopko N. ⁴, De Ridder D. ⁵, Bivalacqua J. ⁴, Van Der Aa F. ¹, Albersen M. ¹

¹KU Leuven and University, Dept. of Urology, Leuven, Belgium, ²East Carolina University, Dept. of Physiology, Greenville, United States of America, ³University of Tokyo, Dept. of Urology, Tokyo, Japan, ⁴Johns Hopkins Brady Urological Institute, Dept. of Urology,
### Scientific Programme - EAU18 Copenhagen

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<tr>
<th>ID</th>
<th>Title</th>
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<tr>
<td>984</td>
<td><strong>RhoA kinase-inhibition prevents myofibroblast transformation in a cell culture model of Peyronie's disease</strong></td>
<td>Milenkovic U., Ilg M., Van Renterghem K., De Ridder D., Albersen M.</td>
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<td>1 University Hospitals of Leuven, Dept. of Development and Regeneration, Leuven, Belgium, 2 Anglia Ruskin University, Faculty of Medical Science, Chelmsford, United Kingdom, 3 Jessa Hospital and University of Hasselt, Dept. of Urology, Hasselt, Belgium</td>
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<td>985</td>
<td><strong>Withdrawn</strong></td>
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<td>986</td>
<td><strong>Synergy between vardenafil and tamoxifen in a rat model of Peyronie's disease</strong></td>
<td>Ilg M.M., Milenkovic U., Muneer A., Albersen M., Cellek S., Ralph D.</td>
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<td>1 Anglia Ruskin University, Faculty of Medical Science, Chelmsford, United Kingdom, 2 University Hospitals Leuven and Leuven University, Dept. of Development and Regeneration, Leuven, Belgium, 3 University College London Hospital, Dept. of Andrology, London, United Kingdom</td>
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<td>987</td>
<td><strong>Improvement of erectile function through combination of anti-fibrotic effect by LIM-kinase 2 inhibitor with suppression of apoptosis and potentiation of endothelial function by type 5 phosphodiesterase inhibitor</strong></td>
<td>Park J., Kang S., Seon D., Sun I., Kim S., Jung H., Hwang Y., Cho S.Y., Park K., Kim S.W., Paick J., Cho M.C.</td>
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<td>1 Seoul National University, Boramae Medical Center, Dept. of Urology, Seoul, Korea, South, 2 Seoul National University, College of Medicine, Dept. of Urology, Seoul, Korea, South</td>
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<td>988</td>
<td><strong>Persistent erectile dysfunction after discontinuation of 5-alpha reductase inhibitor therapy in rats depending on the duration of treatment</strong></td>
<td>Sung H.H., Kang S.J., Chae M.R., Bang S., Lee J., So I., Park J.K., Lee S.W., Choi C.</td>
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<td>1 Samsung Medical Center, Sungkyunkwan University School of Medicine, Dept. of Urology, Seoul, Korea, South, 2 Seoul National University College of Medicine, Dept. of Physiology and Biophysics, Seoul, Korea, South, 3 Chonbuk National University and Research Institute of Clinical Medicine of Chonbuk National University-Biomedical Research Institute, Clinical Trial Center of Medical Device of Chonbuk National University, Dept. of Urology, Jeonju, Korea, South, 4 Samsung Medical Center, Sungkyunkwan University School of Medicine, Dept. of Urology, Seoul, Korea, South</td>
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Summary
J.I. Martinez Salamanca, Madrid (ES)