

New horizons in LUTS

Poster Session 22

Sunday, 13 March
08:45 - 10:15

Location: Room Madrid (Hall B2, level 0)

Chairs: F. Cruz, Porto (PT)
M.J. Drake, Bristol (GB)
A. Ruffion, Pierre-Bénite (FR)

Aims and objectives of this presentation

Recent advances in the area of bladder pathophysiology, pharmacology and stem cell therapy will be presented and discussed

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.

- *271 **Sphingosine-1-phosphate, a new biomarker of detrusor overactivity in patients with multiple sclerosis**
By: Sanson S.¹, Roumiguié M.¹, Ballouhey Q.², Castel-Lacanal E.³, Jaafar A.⁴, Tack Y.⁴, Game X.¹
Institutes:¹CHU Rangueil, Dept. of Urology, Toulouse, France, ²CHU, Dept. of Pediatric Surgery, Limoges, France, ³CHU Rangueil, Dept. of Physical Medicine and Rehabilitation, Toulouse, France, ⁴CHU Rangueil, Dept. of Physiological Functional Exploration, Toulouse, France
- *272 **Differences in organisation and phenotypes of interstitial cells in bladder lamina propria between human and laboratory animals**
By: Gevaert T.¹, Steiner C.², Vanstreels E.³, Pintelon I.⁴, Timmermans J-P.⁴, Neuhaus J.², De Ridder D.¹
Institutes:¹UZ Leuven, Dept. of Urology, Leuven, Belgium, ²University of Leipzig, Dept. of Urology, Leipzig, Germany, ³KU Leuven, Dept. of Laboratory of Virology and Chemotherapy (Rega Institute), Leuven, Belgium, ⁴University of Antwerp, Dept. of Veterinary Sciences, Antwerp, Belgium
- *273 **Altered muscarinic signalling in the urinary bladder of mouse models of Alzheimer's disease**
By: Hohnen R.¹, Zare A.¹, Stevens J.¹, Losen M.¹, Meriaux C.¹, Rahnama'i M.S.², Van Koeveringe G.²
Institutes:¹Maastricht University, Dept. of Neuroscience, Maastricht, The Netherlands, ²Maastricht University Medical Centre, Dept. of Urology, Maastricht, The Netherlands
- *274 **Measurement of endocannabinoids levels during treatment of bladder hyperactivity induced by cystitis with FAAH inhibitors and evaluation of the cannabinoid receptor and TRPV1 roles**
By: Charrua A.¹, Matos R.¹, Marczylo T.², Nagy I.³, Cruz E.¹
Institutes:¹Faculty of Medicine of University of Porto, Dept. of Experimental Biology, Porto, Portugal, ²Public Health England, Chilton, United Kingdom, ³Faculty of Medicine, Imperial College of London, Dept. of Surgery & Cancer, London, United Kingdom
- *275 **Up-regulation of prostatic cannabinoid receptor type 2 following capsaicin-induced prostatitis in castrated and non-castrated rats**
By: Lin T.L.
Institutes:National Yang-Ming University Taipei Veterans Gen Hospital, Dept. of Urology, Taipei, Taiwan
- *276 **Does TRP channel play a role of extracellular calcium sensing in urethral smooth muscle?**
By: Kajioka S., Hayashi M., Maki T., Takahashi R., Etoh M.
Institutes:Kyushu University, Dept. of Urology, Fukuoka, Japan

- *277 **Mouse model with ketamine-induced voiding dysfunction demonstrates intact urothelial barrier function**
By: [Rajandram R.](#)¹, Ong T.A.¹, Razack A.¹, Maciver I.B.², Zeidel M.², Yu W.²
Institutes:¹University of Malaya, Dept. of Surgery, Kuala Lumpur, Malaysia, ²Beth Israel Deaconess Medical Center and Harvard Medical School, Dept. of Medicine, Boston, United States of America
- *278 **Safety and effectiveness of mirabegron in patients with overactive bladder (OAB): Results of two Japanese post-marketing surveys**
By: [Kato D.](#)¹, Katoh T.², Kuwamoto K.¹, Nozawa Y.¹, Tabuchi H.¹, Kuroishi K.¹
Institutes:¹Astellas Pharma Inc, Medical Affairs, Tokyo, Japan, ²International University of Health and Welfare, Mita Hospital, Cardiovascular Centre, Tokyo, Japan
- *279 **Bladder acellular matrix grafts seeded with adipose-derived stem cells and incubated intraperitoneally promote the regeneration of bladder smooth muscle in a rat model of bladder augmentation**
By: Zhou Z.², Da J.², Zhao Y.², Zhang M.², Xiao D.², Wang Q.², Wang Z.², [Lu M.](#)¹
Institutes:¹Shanghai 9th People's Hospital, Shanghai, China, ²Shanghai 9th People's Hospital, Dept. of Urology, Shanghai, China
- *280 **Advanced properties of urine derived stem cells compared to adipose tissue derived stem cells in terms of cell proliferation, immune modulation and multi differentiation**
By: [Choi S.H.](#)¹, Chung J-W.¹, Lee J.N.¹, Ha Y-S.¹, Kim B.S.¹, Kim H.T.¹, Kim T-H.¹, Yoo E.S.¹, Kwon T.G.¹, Chung S.K.¹, Kim B.W.¹, Cho D-H.², Kim J.S.³
Institutes:¹Kyungpook University Hospital, Dept. of Urology, Daegu, South Korea, ²CHA Gumi Medical Center, Dept. of Urology, Gumi-Si, South Korea, ³Daegu Fatima Hospital, Dept. of Urology, Daegu, South Korea
- *281 **Functional smooth muscle cells differentiated from adipose derived stem cells: The importance of autophagy**
By: Salemi S., Mortezaei A., Sulser T., [Eberli D.](#)
Institutes:University Hospital Zürich, Dept. of Urology, Zurich, Switzerland
- 10:00 - 10:07 **Summary and context**
F. Cruz, Porto (PT)