**Effect of early sacral neuromodulation on bladder function in a rat model of incomplete spinal cord injury due to focal contusion**


1 Seoul National University Bundang Hospital, Dept. of Urology, Seongnam, South Korea,
2 Kangwon National University School of Medicine, Dept. of Urology, Chuncheon, South Korea

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**Anti-Nogo-A antibodies: Promising treatment for neurogenic lower urinary tract dysfunction after spinal cord injury**

By: Schneider M.P., Sartori M., Schwab E., Kessler M.

1 Inselspital, Dept. of Urology, Bern, Switzerland,
2 University of Zürich, Balgrist University Hospital, Dept. of Neuro-Urology, Spinal Cord Injury Center & Research, Zurich, Switzerland,
3 University of Zürich, Brain Research Institute, Dept. of Health Sciences and Technology, Zurich, Switzerland

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**Barrington’s nucleus CRH neurons conditionally drive bladder contraction: A multi-unit optogenetic recording study in mice**

By: Ito H., Sales A., Tench B., Drake M.J., Pickering A.E.

University of Bristol, School of Physiology, Pharmacology and Neuroscience, Bristol, United Kingdom

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**Therapeutic effects of p38 MAP kinase inhibitor in storage and voiding dysfunction in mice with spinal cord injury (SCI)**


1 Kindai University, Dept. of Urology, Faculty of Medicine, Osaka-Sayama, Japan,
2 Hamamatsu University school of Medicine, Dept. of Urology, Hamamatsu, Japan,
3 University of Pittsburgh, Dept. of Urology, Pittsburgh, United States of America,
4 Kindai University Nara Hospital, Dept. of Urology, Ikoma, Japan,
5 University of Pittsburgh, Dept.
5 Improvement of bladder and urethral dysfunction by the early intervention with anti-BDNF antibody after spinal cord injury in mice

By: Wada N.W. 1, Suzuki T. 2, Tyagi P. 2, Tsuchida M. 1, Banjo H. 1, Yoshimura N. 2, Kakizaki H. 1
1Asahikawa Medical University, Dept. of Renal and Urologic Surgery, Asahikawa, Japan,
2University of Pittsburgh, Dept. of Urology, Pittsburgh, United States of America

* 6 High field single subject brain mapping of pelvic floor motor control. A 7-Tesla fMRI study

By: Groenendijk I.M. 1, Luijten S. 1, Van Der Zwaag W. 2, Holstege J.C 3, Scheepe J. 1, De Zeeuw C. 4, Blok B. 1
1Erasmus Medical Center, Dept. of Urology, Rotterdam, The Netherlands,
2Spinoza Center for Neuroimaging, Dept. of Neuroimaging, Amsterdam, The Netherlands,
3Erasmus Medical Center, Dept. of Neuroscience, Rotterdam, The Netherlands,
4Netherlands Institute for Neuroscience, Dept. of Neuroscience, Amsterdam, The Netherlands

7 Muscarinic receptor expression in spinal cord transected rats with early anticholinergic treatment

To be confirmed

8 Urinary TIMP-2 is significantly associated with poor bladder compliance and upper urinary tract damage in adult patients with spina bifida

By: Peyronnet B. 1, Richard C. 1, Bendavid C. 2, Naudet F. 3, Hascoet J. 1, Brochard C. 4, Alimi Q. 1, Khene Z. 1, Siproudis L. 5, Bouguen G. 6, Kerdraon J. 7, Manunta A. 1, Gamé X. 8
1Rennes University Hospital, Dept. of Urology, Rennes, France,
2Rennes University Hospital , Dept. of Biochemistry, Rennes, France,
3University of Rennes, Inserm CIC, Rennes, France,
4Rennes University Hospital , Dept. of Gastroenterology , Rennes, France,
5Rennes University Hospital, Dept. of Gastroenterology, Rennes, France,
6Rennes university hospital, Dept. of Gastroenterology, Rennes, France,
7Centre de Rééducation de Kerpape, Dept. of Rehabilitation, Ploemeur, France,
8Toulouse University Hospital, Dept. of Urology, Toulouse, France

9 Nerve growth factor-mediated Na+ channel plasticity of bladder afferent neurons in mice with spinal cord injury

By: Gu B. 1, Ni J.S. 1, Yoshimura N. 2
1Shanghai Jiao Tong University Affiliated Sixth People’s Hospital, Dept. of Urology, Shanghai, China,
2University of Pittsburgh, School of Medicine, Dept. of Urology, Pittsburgh, United States of America
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<th>Institution(s)</th>
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<td>10</td>
<td>Physiopathology of neurogenic detrusor overactivity: Role of neurotrophins, inflammation and extracellular matrix according to the neurological disease</td>
<td>Richard C.¹, Bendavid C.¹, Hascoet J.¹, Alimi Q.¹, Khene Z-E.¹, Kerdraon J.¹, Manunta A.¹, Gamé X.², Peyronnet B.¹</td>
<td>University of Rennes, Dept. of Urology, Rennes, France, University of Toulouse, Dept. of Urology, Toulouse, France</td>
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<td>11</td>
<td>Bladder primary afferent pathways to the spinal cord in mice</td>
<td>Takezawa K.¹, Ueda N.¹, Sekii Y.¹, Inagaki Y.¹, Fukuhara S.¹, Kiuchi H.¹, Kondo M.², Shimada S.², Nonomura N.¹</td>
<td>Osaka University Medical School, Dept. of Urology, Suita, Japan, Osaka University Medical School, Dept. of Neuroscience and Cell Biology, Suita, Japan</td>
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<td>12</td>
<td>Injecting RNA interference lentiviruses targeting the muscarinic 3 receptor gene into the bladder wall inhibits neurogenic detrusor overactivity in rats with spinal cord injury</td>
<td>Shang Z., Ou T.</td>
<td>Xuanwu Hospital Capital Medical University, Dept. of Urology, Beijing, China</td>
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10:15 - 10:22 | State-of-the-art lecture The bladder, the spinal cord and the brain | L. Birder, Pittsburgh (US) |