2009

ATP release during cystometry in women with detrusor overactivity and painful bladder syndrome: contribution to 'urgency'?

Elizabeth Burcher  
*University of New South Wales*

Kylie J. Mansfield  
*University of Wollongong, kylie_mansfield@uow.edu.au*

W Allan  
*St George Hospital*

C Walsh  
*St George Hospital*

Kate H. Moore  
*St George Hospital*

*See next page for additional authors*

---

Citation

Burcher, Elizabeth; Mansfield, Kylie J; Allan, W; Walsh, C; Moore, Kate H.; and Cheng, Ying. 2009, ATP release during cystometry in women with detrusor overactivity and painful bladder syndrome: contribution to 'urgency'? 39th Annual Meeting of the International Continence Society, 29 September - 3 October, San Francisco. Neurourology and Urodynamics, 28(7), 838-839.  
http://ro.uow.edu.au/medpapers/12
ATP release during cystometry in women with detrusor overactivity and painful bladder syndrome: contribution to 'urgency'?

Abstract
ATP is an important signalling molecule whose release from the bladder urothelium in response to stretch is thought to stimulate afferent nerves and thus convey information about bladder fullness (and the sensation of urgency). Our aim was to measure the release of ATP during urodynamic filling of bladders of women with idiopathic detrusor overactivity (DO), painful bladder syndrome (PBS) and stress incontinence (controls), in order to test the hypothesis that ATP release might play a role in bladder function and/or dysfunction.

Keywords
cystometry, during, atp, release, women, contribution, urgency, detrusor, overactivity, painful, bladder, syndrome

Disciplines
Medicine and Health Sciences

Authors
Elizabeth Burcher, Kylie J. Mansfield, W Allan, C Walsh, Kate H. Moore, and Ying Cheng

This conference paper is available at Research Online: http://ro.uow.edu.au/medpapers/12
07:30 - 08:30  Satellite Symposium Sponsored by Ferring International  
Location: Hall B

08:00 - 08:30  Welcome to the ICS  
Location: Room 2007

08:30 - 09:00  Opening Ceremony  
Location: Hall A

09:00 - 10:30  Session 1 (Podium) - Surgery for Stress Incontinence  
Location: Hall A  
Chairs: Mark C Slack (United Kingdom), Mary P Fitzgerald (United States)

09:00 1  WOMEN’S EXPERIENCES OF STRESS INCONTINENCE SURGERY  
Loane K, Toozs-Hobson P, Hicks C

09:15 2  PROCEDURE SPECIFIC CONSENT FORMS IMPROVE THE PROCESS OF INFORMED CONSENT IN PATIENTS UNDERGOING SURGERY FOR STRESS INCONTINENCE BY UROLOGISTS  
Sinclair A, Kujawa M, Thompson A

09:30 3  RESULT FROM A NATIONAL INCONTINENCE REGISTRY: TVT IS A BETTER SURGICAL PROCEDURE FOR TREATING STRESS INCONTINENCE, COMPARED TO TVT-O AND TOT  
Kulseng-Hanssen S, Dyrkorn O A, Sandvik L

09:45 4  RETROPUBIC TVT VS TRANSOBTURATOR OUTSIDE-IN TOT AND INSIDE-OUT TVT-O – ONE-YEAR RESULTS FROM OUR PROSPECTIVE RANDOMIZED STUDY  
Scheiner D, Betschart C, Werder H, Fink D, Perucchini D

10:00 5  A PROSPECTIVE MULTICENTER RANDOMIZED STUDY OF "U" AND "H" APPROACH OF TVT-SECUR PROCEDURE FOR THE TREATMENT OF FEMALE STRESS URINARY INCONTINENCE: ONE-YEAR FOLLOW-UP  

10:15 6  PRE AND POST-OPERATIVE PREDICTORS OF SATISFACTION FOLLOWING SURGICAL TREATMENT OF STRESS URINARY INCONTINENCE  
Trabuco E, Klingele C, McGree M, Gebhart J

10:30 - 11:00  Coffee Break / Poster & Video Viewing / Exhibition

10:30 - 11:00  ICS Press Conference  
Location: Press Centre

11:00 - 11:30  State of the Art 1: Pelvic Floor Biomechanics: Imaging, Modelling, Insight and Change  
Location: Hall A  
Chair: Karl Kreder (United States)  
Speaker: John O. L. DeLancey (United States)

11:30 - 12:30  Session 2 (Podium) - Pelvic Organ Prolapse  
Location: Hall A  
Chairs: Linda Brubaker (United States), Douglas Gordon Tincello (United Kingdom)

11:30 7  DEFINING "SUCCESS" AFTER SURGERY FOR PELVIC ORGAN PROLAPSE  
Barber M, Brubaker L, Nygaard I, Wheeler T, Schaffer J, Chen Z, Spino C

11:45 8  DO OAB SYMPTOMS IMPROVE AFTER SURGERY FOR POP?  
de Boer T, Vierhout M

12:00 9  COMPLICATIONS OF MESH KITS FOR PELVIC ORGAN PROLAPSE: A REVIEW OF MANUFACTURER AND USER FACILITY DEVICE EXPERIENCE (MAUDE) DATABASES  
Ismail S

12:15 10  A RANDOMIZED CONTROLLED TRIAL ON PROPHYLACTIC ANTIBIOTICS AND PELVIC ORGAN PROLAPSE SURGERY  
Weincke M O, Sakse A E, Olsen T, Troelstrup A, Westh B

11:30 - 12:30  Session 3 (Podium) - Neuourology I  
Location: Hall B  
Chairs: Clare Juliet Fowler (United Kingdom), Sender Herschorn (Canada)

11:30 11  THE EFFECT OF ACUTE AND CHRONIC STRESS AND ANXIETY-LIKE BEHAVIOUR ON BLADDER MOTOR AND SENSORY FUNCTION  

11:45 12  URETHRAL NEUROMUSCULAR INJURY FOLLOWING SIMULATED CHILDBIRTH INJURY IN A RAT MODEL  
Kong W, Lin D, Kinley B, Kears J, Damaser M

12:00 13  NORADRENERGIC REGULATION OF MOTONEURONS INNERVATING THE URETHRAL SPHINCTER  
Yashiro K, Thor K, Burgard E

12:15 14  PUDENDAL NERVE STIMULATION IS A VIABLE ALTERNATIVE TO SACRAL NERVE STIMULATION FOR VOIDING DYSFUNCTION  
Peters K, Killinger K, Boguslawski B

12:30 - 12:35  Promotion ICS/IUGA 2010 Toronto  
Location: Hall A  
Chairs: Harold P Drutz (Canada), Sender Herschorn (Canada)
<table>
<thead>
<tr>
<th>Time</th>
<th>Sessionbolde</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:35 - 13:30</td>
<td><strong>Lunch Break / Poster &amp; Video Viewing / Exhibition</strong></td>
<td></td>
</tr>
<tr>
<td>12:35 - 13:30</td>
<td><strong>ICS Meetings Committee</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Location: Meeting Room 2</td>
<td></td>
</tr>
<tr>
<td>12:35 - 13:30</td>
<td><strong>Meet the Experts 1: Pelvic Prolapse and Pelvic Reconstruction</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Experts: Linda Cardozo (United Kingdom), Christopher R Chapple (United Kingdom)</td>
<td></td>
</tr>
<tr>
<td>12:35 - 13:30</td>
<td><strong>Meet the Experts 2: Physiotherapy and Faecal Incontinence</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Experts: Kari Be (Norway), Christine Norton (United Kingdom)</td>
<td></td>
</tr>
<tr>
<td>13:30 - 15:30</td>
<td><strong>Session 4 (Podium Video) - Videos - Surgical Techniques I</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Location: Hall A</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Chairs: Sigurd Kulseng-Hanssen (Norway), Ann Gormley (United States)</td>
<td></td>
</tr>
<tr>
<td>13:30</td>
<td><strong>15</strong> TRANRECTALTRANSPHINCTERIC REPAIR OF RECTOURINARY FISTULA WITH DARTOS FLAP**</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Kim J, Smith A L, Baxter C, Staack A, Raz S</td>
<td></td>
</tr>
<tr>
<td>13:40</td>
<td><strong>16</strong> ADVANTAGES ON URINARY CONTINENCE USING THE CAPIO RP SUTURING DEVICE FOR VESICO-URETHRAL ANASTOMOSIS AFTER RADICAL RETROPERINE PROSTATECTOMY**</td>
<td></td>
</tr>
<tr>
<td>13:50</td>
<td><strong>17</strong> THE ADJUSTABLE MALE SLING CAN BE SUCCESSFULLY IMPLANTED BY TRANSOBTURATOR APPROACH FOR TREATING POST-PROSTATECTOMY URINARY INCONTINENCE. SURGICAL TECHNIQUE AND EARLY RESULTS OF A MULTICENTER TRIAL**</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Romano S V, Hubner W, Trigo Rocha F, Muller V, Nakamura F</td>
<td></td>
</tr>
<tr>
<td>14:00</td>
<td><strong>18</strong> OPTIMIZING RESULTS OF SUBURETHRAL SLING OPERATIONS AMONG MALES USING SUBURETHRAL HYALURONIC ACID INJECTIONS**</td>
<td></td>
</tr>
<tr>
<td>14:10</td>
<td><strong>19</strong> TRANSPOSITION OF DISTAL URETHRA IN FEMALE PATIENTS WITH RECURRENT LOWER UTI ASSOCIATED WITH SEXUAL INTERCOURSE**</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Pushkar D, Sumerana N, Dyakov V, Gvozdev M</td>
<td></td>
</tr>
<tr>
<td>14:20</td>
<td><strong>20</strong> SUPRAMEATAL URETHROLYSIS WITH MARTIUS FLAP**</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Smith A L, Kim J, Staack A, Baxter C, Rodriguez L V, Raz S</td>
<td></td>
</tr>
<tr>
<td>14:30</td>
<td><strong>21</strong> URETHROVAGINAL FISTULA REPAIR WITH MARTIUS FLAP**</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Smith A L, Kim J, Staack A, Baxter C, Rodriguez L V, Raz S</td>
<td></td>
</tr>
<tr>
<td>14:40</td>
<td><strong>22</strong> SINGLE-PORT TRANSVESICAL EXCISION OF FOREIGN BODIES**</td>
<td></td>
</tr>
<tr>
<td>14:50</td>
<td><strong>23</strong> SURGICAL PROCEDURE WITH LOCAL ANESTHESIA FOR THE TREATMENT OF STRESS URINARY INCONTINENCE: A SINGLE INCISION TOT**</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Boya G, Janin P, Navazo R</td>
<td></td>
</tr>
<tr>
<td>15:00</td>
<td><strong>24</strong> ROBOTIC-ASSISTED LAPAROSCOPIC RETROPERINE URETHROLYSIS FOR INTRADELURUS TVT SLING**</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Gilleran J, Lowe G</td>
<td></td>
</tr>
<tr>
<td>15:10</td>
<td><strong>25</strong> SOLYX SIS SYSTEM: PROCEDURAL VIDEO**</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Serels S</td>
<td></td>
</tr>
<tr>
<td>15:20</td>
<td><strong>26</strong> NOVEL RECTUS CROSSOVER FOR ENHANCED CONTINENCE OF CATHETERIZABLE URINARY DIVERSION**</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Baxter Z, Kim J, Smith A L, Staack A, Rodriguez L V, Raz S</td>
<td></td>
</tr>
<tr>
<td>13:30 - 15:30</td>
<td><strong>Session 5 (Poster) - Neurourology (Clinical)</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Location: Hall B</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Chairs: John P Lavelle (United States), John P Heesakkers (Netherlands)</td>
<td></td>
</tr>
<tr>
<td>14:10</td>
<td><strong>27</strong> ASSOCIATION BETWEEN STIMULATION PARAMETERS AT THE TIME OF IMPLANTATION OF SACRAL NERVE STIMULATOR AND EXPLANTATION AFTER SUCCESSFUL IMPLANTATION**</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Ghazwani Y, Elkelini M, Hassouna M</td>
<td></td>
</tr>
<tr>
<td>14:15</td>
<td><strong>28</strong> PATIENT AGE PREDICTS SUCCESS IN PATIENTS UNDERGOING SACRAL NEUROMODULATION FOR VOIDING DYSFUNCTION**</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Powell C, Tokacs E, Krieder K</td>
<td></td>
</tr>
<tr>
<td>14:20</td>
<td><strong>29</strong> RESULTS OF SACRAL NERVE MODULATION FOR THE TREATMENT OF BLADDER DYSFUNCTIONS IN MULTIPLE SCLEROSIS PATIENTS**</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Andreotta E, Ostardo E, Simeone C, Signorelli D, Pastorello M, Campo C, Limido L, Bastianello P</td>
<td></td>
</tr>
<tr>
<td>14:25</td>
<td><strong>30</strong> IMPACT OF CONVENIENCE VOID IN BLADDER DIARY WHICH INVOLVES SELF-REPORTED URINARY PERCEPTION TO ASSESS BLADDER SENSITIVITY**</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Honjo H, Ukimura O, Kawauchi A, Kitakoji H, Nakao M, Miki T</td>
<td></td>
</tr>
<tr>
<td>14:30</td>
<td><strong>31</strong> ATTITUDES OF WOMEN WITH MULTIPLE SCLEROSIS WHEN QUESTIONED ABOUT GENITAL TOUCHING AND CONTINENCE DEVICE PLACEMENT**</td>
<td></td>
</tr>
<tr>
<td></td>
<td>McClurg D, Hagen S</td>
<td></td>
</tr>
<tr>
<td>14:35</td>
<td><strong>32</strong> THE POSSIBLE ROLE OF OPIATES IN WOMEN WITH URINARY RETENTION- OBSERVATIONS FROM A PROSPECTIVE CLINICAL STUDY**</td>
<td></td>
</tr>
<tr>
<td>14:40</td>
<td><strong>33</strong> EFFICACY OF BOTULINUM TOXIN A INJECTION FOR NEUROGENIC DETRUSOR OVERACTIVITY AND URINARY INCONTINENCE – A RANDOMIZED DOUBLE-BLIND TRIAL**</td>
<td></td>
</tr>
<tr>
<td>14:45</td>
<td><strong>34</strong> CAN 100 UNITS OF BOTULINUM TOXIN A PRESERVE THE ABILITY OF VOLUNTARY VOIDING AND IMPROVE OVERACTIVE BLADDER SYMPTOMS IN PATIENTS SUFFERING FROM MULTIPLE SCLEROSIS?**</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Birzle J, Mehnert U, Reuter K, Schurb B</td>
<td></td>
</tr>
</tbody>
</table>
14:50 35 EFFECTS OF REPEATED BOTULINUM TOXIN A INJECTION THERAPY IN PATIENTS WITH SYMPTOMATIC NEUROGENIC DUTRUSOVERACTIVITY – A 3-YEAR FOLLOW UP
Malmberg L, Karadzic V

14:55 36 THE EFFECT OF DEEP BRAIN STIMULATION ON VOIDING DYSFUNCTION IN PARKINSON'S DISEASE AND ESSENTIAL TREMOR
Vishwajit S, Patel B, Herco M, Siddiqui M, Cartwright M, Badlani G

15:00 37 THE INCIDENCE OF VOIDING DIFFICULTY AND CONSTITPATION IN PATIENTS WITH ESSENTIAL TREMOR COMPARED TO PARKINSON'S DISEASE
Vishwajit S, Patel B, Herco M, Siddiqui M, Cartwright M, Badlani G

15:05 38 IS EARLY PROPHYLACTIC INTERVENTION BENEFICIAL FOR THE MANAGEMENT OF THE LOWER URINARY TRACT DYSFUNCTION IN CHILDREN WITH SPINA BIFIDA?
Ichino M, Igawa Y, Ogawa T, Seki S, Ishizuka O, Nishizawa O

15:10 39 VOIDING DYSFUNCTION IN PATIENTS WITH DYSAUTONOMIA
Shridharani A, Guralnick M, Barboi A, Jaraedeh S, Prieto T, Yellic M, O'Connor R C

15:15 40 EVALUATION OF RENAL FUNCTION BY SERUM CYSTATIN C FOR THE PATIENT WITH NEUROGENIC BLADDER HAVING A CENTRAL NERVE SYSTEM DISORDER
Ken-ichi M, Noguchi M, Hatada T, Takahashi H, Matsu M

15:20 41 DO PATIENTS WITH A SMALL PROSTATE VOLUME DIFFER URODYNAMICALLY FROM THOSE WITH A LARGER PROSTATE VOLUME?
Cho S, Kang M, Yi J, Oh S

15:25 42 URETHRAL INNERVATION BETTER IN CONTINENT WOMEN THAN STRESS INCONTINENT WOMEN
Kenton K, Brubaker L, Mueller E

13:30 - 15:30 Session 6 (Poster) - Quality of Life & Epidemiology
Location: Hall C
Chairs: Steinar Hunksaar (Norway), J. Quentin Clemens (United States)

14:10 43 HYSTERECTOMY DOES NOT IMPAIR INCONTINENCE – A SWEDISH QUALITY REGISTER STUDY
Kjældgaard A

14:15 44 PREDICTORS OF THE EFFICACY OF NON-DRUG LIFESTYLE MODIFICATIONS FOR THE MANAGEMENT OF NOCTURIA
Soda T, Masui K, Okuno H, Terai A, Ogawa O, Yoshimura K

14:20 45 FECAL INCONTINENCE: A POPULATION BASED STUDY OF SEVERITY AND QUALITY OF LIFE

14:25 46 MENOPAUSE AND ITS IMPACT ON PELVIC FLOOR DISORDERS, STRESS AND DEPRESSION

14:30 47 CHARACTERIZATION OF PELVIC FLOOR SYMPTOMS IN WOMEN OF NORTHEASTERN LIBERIA

14:35 48 A NEW CATHETER-RELATED QUALITY OF LIFE INSTRUMENT FOR LONG-TERM URINARY CATHETER USERS
Wilde M, Brasch J, Getifffe K, McMahon J, Anson E, Tu X

Banerjee C, Banerjee M, Hellmich M, Sachse K, Noë K

14:45 50 RESPONSIVENESS OF THE PFDD-20 AND PFIQ-7, 12 MONTHS FOLLOWING VAGINAL PROLAPSE REPAIR AUGMENTED BY MESH AND A VAGINAL SUPPORT DEVICE

14:50 51 COMPARISON OF SF-12 DATA ON QUALITY OF LIFE IN NOCTURIA PATIENTS WITH US NORMS
Holm-Larsen T, Weiss J, Daneshgari F

14:55 52 EFFECT OF CHILD BIRTH VERSUS PARENTING PRESSURE ON SEXUAL FUNCTION

15:00 53 DOES LONG-TERM TREATMENT OF OVERACTIVE BLADDER RESULT IN CLINICALLY MEANINGFUL IMPROVEMENT IN HEALTH RELATED QUALITY OF LIFE IN REAL WORLD CLINICAL PRACTICE?
Basra R, Khullar V, Kelley C

15:05 54 DOES THE USE OF SLEEP QUESTIONNAIRES ADD TO OUR KNOWLEDGE ABOUT THE IMPACT OF NOCTURIA?
Anco-Israil S, Klein B M, Holm-Larsen T

15:10 55 A QUALITATIVE STUDY OF THE IMPACT OF CARING FOR A PERSON WITH URINARY INCONTINENCE
Noiemark D, Steventon N, Wagg A

15:15 56 IMPACT OF ‘DRY DAYS’ ON QUALITY OF LIFE IN PATIENTS WITH ‘WET’ OVERACTIVE BLADDER: RESULTS OF A POOLED ANALYSIS OF THREE PHASE III STUDIES WITH DARIFENACIN

15:20 57 THE BRINDLEY BLADDER STIMULATOR IMPROVES QUALITY OF LIFE AND CLINICAL OUTCOMES IN SPINAL CORD INJURED PATIENTS AS COMPARED TO A MATCHED CONTROL GROUP

15:25 58 NEUROPHYSIOLOGICAL MODIFICATION OF PELVIC FLOOR PARAMETERS DURING SACRAL NERVE NEUROMODULATION
Andretta E, Zuliani C, De Biaggi L, De Santo T, Ostadano
13:30 - 15:30  
Session 7 (Poster) - LUTS in Women I  
Location: Hall D  
Chairs: ILH Ruud Bosch (Netherlands), Peggy Norton (United States)

14:10  
59  
EXPECTATIONS OF URGE INCONTINENCE TREATMENT AND THEIR RELATIONSHIP TO OUTCOMES  

14:15  
60  
LONG-TERM USE OF ANTIMUSCARINIC MEDICATION IN THE REAL WORLD: RESULTS OF A COMMUNITY-BASED PROSPECTIVE STUDY OF PATIENTS WITH OVERACTIVE BLADDER  
Basra R, Khullar V, Kelleher C

14:20  
61  
THE RELATIONSHIP BETWEEN FEMALE OVERACTIVE BLADDER AND METABOLIC SYNDROME  
Kinjo M, Yoshimura Y, Sekiguchi Y, Higashihara E

14:25  
62  
VALIDATION OF THE URENGICMETER 1.0 – QUANTIFICATION OF THE URGENCY URGENCY IN FEMALES  

14:30  
63  
RELATIONSHIP BETWEEN OVERACTIVE BLADDER SYMPTOM SEVERITY, CYSTOMETRIC BLADDER CAPACITY AND DETRUSOR OVERACTIVITY  
Blaivas J, Liang L, Weiss J, Samaroo C, Amirian M

14:35  
64  
COMPARISON OF SELF-REPORTED DAYTIME VOIDING FREQUENCY AND NOCTURIA BETWEEN CONTROLS AND WOMEN REPORTING STRESS, URGE OR MIXED URINARY INCONTINENCE  
Wyndaele M, Wyndaele J J

14:40  
65  
EFFECTIC OF TAMSULOSIN 0.2MG AND TAMSULOSIN 0.2MG PLUS TOLTERODINE 2MG FOR TREATMENT OF WOMEN WITH LOWER URINARY TRACT SYMPTOMS  
Kim D Y, Park C H, Jung H C, Yoo E S

14:45  
66  
EFFECTS OF AGE ON THE PREVALENCE AND BOTHERSOMENESS FOR OAB SYMPTOMS IN FEMALE PATIENTS VISITING TO PRIMARY CARE DOCTORS  
Yoshida M, Inadome A, Masunaga K, Otani M, Matsumoto K, Yono M

14:50  
67  
SCREENING TOOLS FOR VOIDING DIFFICULTIES IN WOMEN: A COMPARISON OF THE ICIQ-FLUTS AND THE MODIFIED IPSS QUESTIONNAIRES  
Cartwright R, Cox P, Cardozo L, Srikrishna S, Robinson D

14:55  
68  
AFFECT OF DIABETES ON THE PREVALENCE OF LOWER URINARY TRACT SYMPTOMS (LUTS) IN WOMEN  
Van Remoortere K C, Doshi A, Schembri M, Thom D, Van Den Eeden S, Brown J

15:00  
69  
URINARY FREQUENCY IN WOMEN: ARE THERE MULTIPLE FACTORS AT PLAY?  
Steele S, Gajewski J

15:05  
70  
A NOVEL EXTERNALLY APPLIED NEUROMUSCULAR STIMULATOR FOR THE TREATMENT OF STRESS URINARY INCONTINENCE– A PILOT STUDY  
Maher R, Crowe L, Caulfield B

15:10  
71  
THE ROLE OF INTRAVITAL ULTRASONOGRAPHY IN TREATING LOW URINARY TRACT SYMPTOMS COMPLICATING SUB-URETHRAL TAPE PLACEMENT  
Mouracade P, Ej-jennane A, Lang H, Jacqmin D, Saussine C

15:15  
72  
RELATIONSHIP OF THE SEVERITY OF URGENCY ACCORDING TO THE DEGREE OF STRESS URINARY INCONTINENCE  

15:20  
73  
URODYNAMICS IN WOMEN FROM MENOPAUSE TO OLDEST AGE: WHICH MOTIVE? WHICH DIAGNOSIS?  
Valentini F, Robain G, Marti B, Nelson P

15:25  
74  
ARE URINARY TRACT INFECTIONS AND URINARY INCONTINENCE IN WOMEN ASSOCIATED WITH EACH OTHER?  
Platte R, Minassian V, Wood C, Parekh M, Poplawsy D

15:30 - 16:00  
Coffee Break / Poster & Video Viewing / Exhibition

15:30 - 16:00  
ICS & IUGA 2010 Scientific Committee Pre-liminary Meeting  
Location: Meeting Room 3

16:00 - 17:30  
Session 8 (Poster) - Pelvic Floor  
Location: Hall B  
Chairs: Kate Moore (Australia), Chris E Constantinou (United States)

16:30  
75  
EFFECT OF “THE KNACK” ON THE PELVIC FLOOR: EVALUATED BY 2D REAL TIME ULTRASOUND AND IMAGE PROCESSING METHODS  

16:35  
76  
PELVIC FLOOR MUSCLE TRAINING IN TREATMENT OF PELVIC ORGAN PROLAPSE - A SINGLE BLIND RANDOMISED CONTROLLED TRIAL  
Brakken I H, Majida M, Ellstrom Engh M, Bo K

16:40  
77  
INTRAVAGINAL PRESSURE MEASUREMENTS PROVIDE A VALID REPRESENTATION OF THE CHANGES IN URETHRAL PRESSURE THAT OCCUR DURING MAXIMUM VOLUNTARY CONTRACTIONS AND DURING COUHGING  
Madill S, McLean L

16:45  
78  
WOMEN WITH AND WITHOUT STRESS URINARY INCONTINENCE SHOW AGE-RELATED CHANGES IN THE RISETIME AND THE PEAK OF THE INTRAVAGINAL PRESSURE PRODUCED DURING COUHGING  
McLean L, Madill S, Harvey M

16:50  
79  
A HIGH RESOLUTION 3D STUDY OF THE FEMALE PELVIS REVEALS IMPORTANT ANATOMICAL AND PATHOLOGICAL DETAILS OF THE PELVIC FLOOR  
16:55  80  DEVELOPMENT OF A TOOL FOR VISUAL INSPECTION OF PELVIC FLOOR MUSCLE COORDINATION  
Sadowy A, Hollman J, Angela B, Danica F, Kirstin H, Heidi J

17:00  81  MODELLING FETAL HEAD MOTION AND ITS MECHANICAL INTERACTION WITH THE PELVIC FLOOR DURING CHILDBIRTH  
Li X, Kruger J, Nash M, Nielsen P

17:05  82  DYNAMIC ASSESSMENT OF THE VAGINAL HIGH PRESSURE ZONE USING HIGH DEFINITION MANOMETRY, 3-DIMENSIONAL ULTRASOUND & MAGNETIC RESONANCE IMAGING OF THE PELVIC FLOOR  
Raiizada V, Bhargava V, Jung S, Karsten A, Pretorius D, Krysul P, Mittal R

17:10  83  EVIDENCE FOR THE NON-EUCLIDEAN NATURE OF THE PLANE OF MINIMAL DIMENSIONS  
Kruger J, Heap S, Murphy B, Dietz H P

17:15  84  SMOOTH MUSCLE ANCHORS THE PELVIC ORGANS TO THE PELVIC FLOOR  
Wallner C, Dabhiwala N, DelReiter M, Lamers W

17:20  85  REAL 3D BIOMECHANICAL MODELS OF PELVIS AND PELVIC FLOOR AS THE WAY TO IMPROVE KNOWLEDGE ABOUT INCONTINENCE  
Grill R, Baco V, Horak Z, Otcenaszek M, Smrzova T, Kochlik D, Dzupa V

17:25  86  WOMEN WHO CANNOT CONTRACT THEIR PELVIC FLOOR MUSCLES- AVULSION OR DENERVATION? THE PELVIC FLOOR NEUROANATOMY STUDY  
Sarma S, Hersch M, Siva S, Dietz H P, Moore K H

16:00 - 17:30  Session 9 (Poster) - Male Incontinence  
Location: Hall C  
Chairs: Laurence Stewart (United Kingdom), Craig Vance Comiter (United States)

16:30  87  BEHAVIORAL THERAPY WITH OR WITHOUT BIOFEEDBACK AND PELVIC FLOOR ELECTRICAL STIMULATION FOR PERSISTENT POST-PROSTATECTOMY INCONTINENCE – A RANDOMIZED CONTROLLED TRIAL  
Goode P, Burgio K, Johnson T, Roth D, Clay O, Burkhardt J, Lloyd L K

16:35  88  PILOT-TESTING OF A THEORY-BASED PELVIC FLOOR TRAINING INTERVENTION FOR RADICAL PROSTATECTOMY PATIENTS  
Robinson J, Weiss R, Avi-Izhak T, McCormick R

16:40  89  PREOPERATIVE PAD WEIGHT AND PAD NUMBER AS A PREDICTOR OF FAILURE OF SINGLE CUFF ARTIFICIAL URINARY SPHINCTER  
Zafirakis H, Alba F, Westney O L

16:45  90  OUTCOMES FOLLOWING TRANSCORPORAL PLACEMENT OF AN ARTIFICIAL URINARY SPHINCTER  
Zafirakis H, Alba F, Shapiro A, Westney O L

16:50  91  CORRELATION OF PENILE SHAFT AND URETHRAL GIRTH MEASUREMENTS: IMPLICATIONS FOR ARTIFICIAL URINARY SPHINCTER CUFF PLACEMENT  
Schlomer B, Valadez C, Dugi D, Morey A

16:55  92  SEVERE BLADDER NECK CONTRACTURE AND STRESS URINARY INCONTINENCE IN PATIENTS STATUS POST PROSTATECTOMY, RADIATION AND CRYOTHERAPY: SUCCESSFUL MANAGEMENT USING A TWO-STAGED APPROACH  
Kanagarajah P, Caruso D, Gousse A

17:00  93  THE INSIDE-OUT TRANSOSTURATOR SLING FOR THE SURGICAL TREATMENT OF POST-RADICAL PROSTATECTOMY URINARY INCONTINENCE: INTERIM RESULTS OF A PROSPECTIVE, OBSERVATIONAL STUDY AFTER A 1-YEAR MINIMUM FOLLOW-UP  
Waltregny D, Leruth J, de Leval J

17:05  94  URODYNAMIC AND CLINICAL RESULTS OF ADJUSTABLE SLING FOR MALE URINARY INCONTINENCE - 32 MONTHS FOLLOW UP - ARGUS® IS EFFECTIVE ALSO IN SEVERE CASES  

17:10  95  OPTIMIZING ADVANCE™ SLING OUTCOMES VIA INTRAOPERATIVE URETHROSCOPIC CONFIRMATION OF SLING POSITIONING  
Schlomer B, Valadez C, Dugi D, Morey A

17:15  96  CONTINENCE CARE FOR MEN HAVING PROSTATE SURGERY: ADVICE AND CARE BEFORE AND AFTER RADICAL PROSTATECTOMY AND TRANSURETHRAL RESECTION OF PROSTATE  
Hagen S, Glazener C, Cochran C, Campbell L

17:20  97  DECLINED URETHRAL SPHINCTER FUNCTION RELATED TO AGING CONTRIBUTES TO URINARY INCONTINENCE AFTER RADICAL PROSTATECTOMY  
Matsukawa Y, Hattori R, Komatsu T, Funahashi Y, Mizutani K, Gotoh M

17:25  98  TRANSRECTAL ULTRASOUND-GUIDED IMPLANTATION OF THE PROACT™ SYSTEM IN PATIENTS WITH POST-RADICAL PROSTATECTOMY STRESS URINARY INCONTINENCE: CLINICAL RESULTS AFTER A MEAN FOLLOW UP OF 2 YEARS  

16:00 - 17:30  Session 10 (Poster) - Neurourology (Basic Science)  
Location: Hall D  
Chairs: Masayuki Takeda (Japan), Michael Chancellor (United States)

16:30  99  TRPV1 EXPRESSION IN THE BLADDER IS ESSENTIAL FOR NGF-INDUCED DETRUSOR OVERACTIVITY  
Charrua A, Pinto R, Frios B, Cruz C D, Cruz F

16:35  100  RHO-KINASE INHIBITION IMPACTS NEUROGENIC DETRUSOR OVERACTIVITY IN CHRONIC SPINALIZED RATS  

16:40  101  COLLAGEN AND ELASTIC SYSTEM CHANGES INDUCED BY DETRUSOR OVERACTIVITY IN RABBITS. THE ACTION OF OXYBUTYNIN  
Amaro J, Polido Jr A, Da Costa J, Munhoz T, Cardoso L E, Sampaio F

16:45  102  ROLE OF SUPRASPINAL AND SPINAL A1-ADRENERGIC RECEPTOR SUBTYPES IN THE MICTURATION REFLEX IN CONSCIOUS RATS  
Yoshizumi M, Matsumoto-Miyai K, Yonezawa A, Kawatani M
16:50 103 THE EFFECT OF INTRAVESICAL ELECTRICAL STIMULATION UPON THE RAT WHOLE BLADDER ACTIVITY: IN VIVO AFTER NERVE TRANSECTIONS AND IN VITRO AFTER TREATMENT WITH ATROPINE, ALPHA,BETA-METHYLATP AND TETRODOTOXIN
De Bock F, De Wachter S, Wyndaele J J

16:55 104 APP441-1, A NOVEL TRPV4 AGONIST IS ABLE TO INDUCE BLADDER OVERACTIVITY IN RATS AND MICE

17:00 105 HUMAN ALPHA-SYNUCLEIN TRANSGENIC MICE: A NOVEL ANIMAL MODEL OF LOWER URINARY TRACT DYSFUNCTION IN PARKINSON'S DISEASE
Kershon R, Vizzard M, Hamill R

17:05 106 CHANGES IN URINARY PROSTAGLANDIN E2 EXCRETION IN WATANABE HERITABLE HYPERLIPIDEMIC RABBITS, A BLADDER ISCHEMIA MODEL
Yoshida M, Masunaga K, Satoji Y, Maeda Y, Nagata T, Inadome A

17:10 107 THE EFFECT OF AGING ON NITRIC OXIDE AND NORADRENALINE RELEASE IN ISOLATED RABBIT PROSTATE
Ogawa S, Aikawa K, Kawashima T, Shiomi H, Yoshida J, Chiba S, Shishido K, Yamaguchi O

17:15 108 FUNCTIONAL ROLE OF THE TRPV4 CATION CHANNEL IN STRETCH-EVOKED CA2+ INFLUX AND ATP RELEASE IN MOUSE UROHELIAL PRIMARY CULTURES
Mochizuki T, Araki I, Yoshiyama M, Takeda M

17:20 109 INTRATHecal BLOCKADE OF TRK RECEPTOR AND NEUROTROPHINS SEQUESTRATION REDUCES PAIN AND URINARY FREQUENCY IN AN ANIMAL MODEL OF CHRONIC BLADDER INFLAMMATION
Frias B, Charrau A, Pinto R, Allen S, Dawborn D, Cruz F, Cruz C D

17:25 110 FUNCTIONAL CHARACTERISATION OF TRP CHANNELS IN MOUSE UROTHELIUM: A MAJOR ROLE FOR TRPV4

16:00 - 17:30 Session 11 (Poster) - Gerontology & BPH
Location: Hall E
Chairs: Adrian Wagg (United Kingdom), Neil M Resnick (United States)

16:30 111 ARE THE EFFECTS OF OXYBUTYNIN ON COGNITION DEPENDENT UPON THE ROUTE OF ADMINISTRATION – TOPICAL OR ORAL? A DOUBLE-BLIND PLACEBO CONTROLLED STUDY EMPLOYING SENSITIVE COGNITIVE AND PSYCHOMOTOR TESTING
Kay G, Staskin D, MacDiarmid S, McLiwwain M, Dahi N

16:35 112 IS THERE A RELATIONSHIP BETWEEN BALANCE OR LOWER EXTREMITY STRENGTH AND THE IMPACT AND/OR SEVERITY OF MIXED UI IN AGING COMMUNITY-OWELLING WOMEN?
Dumoulin C, Rasavi S, Elliott V, Corriveau H

16:40 113 PILOT OF THE ICIQ-OAB IN AN OUTREACH FALLS PREVENTION CLINIC FOR OLDER ADULTS
Hunter K, Freund-Heritage R, Chan I, Tilroe S, Lechelt K

16:45 114 EVALUATION OF OUTCOME MEASURES FOR STRESS URINARY INCONTINENCE IN OLDER WOMEN
Sherburn M, Bo K, Gatea M

16:50 115 LOWER URINARY TRACT SYMPTOMS AND SLEEP DISORDERS IN ADULTS
Yoon H, Jun G M, Shim B S, Hong J Y

16:55 116 EFFECT OF AGE ON CAVEOLAE-MEDIATED SIGNALING PATHWAYS IN BLADDER SMOOTH MUSCLE
Cristofaro V, Lowalekar S, Yolla S V, Sullivan M P

17:00 117 THE BACKGROUND CHARACTERISTICS OF PATIENTS WITH BENIGN PROSTATIC HYPERPLASIA WHO RECEIVED EARLY TREATMENT WITH ANTI-CHOLINERGICS AFTER UNDERGOING A TRANSURETHRAL RESECTION OF THE PROSTATE

17:05 118 VARIABILITY OF THE POST VOID RESIDUALS AMONG THE PATIENTS WITH BENIGN PROSTATIC HYPERPLASIA
Shishido K, Nomiya M, Honda K, Aikawa K, Yamaguchi O

17:10 119 TAMUSULOSIN ALTERS STRUCTURE OF PROSTATIC URETHRA: OBSERVATION BY PROCESSED ENDOCOSCOPIC IMAGE
Nakamura K, Naya Y, Awa Y, Ichikawa T, Igarashi T

17:15 120 THE CHANGE OF IPSS STORAGE SUB-Score AFTER LONG TERM MEDICAL THERAPY IN BPH PATIENTS

17:20 121 THE EFFICACY AND SAFETY OF PHOTOSELECTIVE VAPORIZATION OF THE PROSTATE(PVP) FOR THE TREATMENT OF BENIGN PROSTATE HYPERPLASIA(BPH) IN MEN WITH LARGE PROSTATES

17:25 122 TWELVE-YEAR SYMPTOMATIC OUTCOME OF TRANSURETHRAL RESECTION OF THE PROSTATE FOR PATIENTS WITH LOWER URINARY TRACT SYMPTOMS BY PROSTATIC ENLARGEMENT COMPARED TO THE PREOPERATIVE URODYNAMIC FINDINGS
Masumori N, Furuya R, Tanaka Y, Furuya S, Ogura H, Tsukamoto T

17:30 - 18:30 Nursesurology and Urdynamics Editorial Board Meeting
Location: Meeting Room 2

17:30 - 19:00 Nurses Forum
Location: Hall B

17:30 - 19:00 Satellite Symposium Sponsored by Astellas
Location: Hall A
Satellite Symposium Sponsored by Pfizer
Location: Hall B

Session 12 (Podium) - Epidemiology
Location: Hall A
Chairs: Barry Berghmans (Netherlands), Jeanette Sarah Brown (United States)

08:30 123 THE ROLE OF INDUSTRY FUNDING IN RANDOMIZED CONTROLLED TRIALS OF ANTIMUSCARINIC MEDICATIONS FOR OVERACTIVE BLADDER
Clemens J Q

08:45 124 ENVIRONMENTAL FACTORS VERSUS GENETICS IN WOMEN WITH FECAL INCONTINENCE: A CLASSICAL TWIN STUDY OF IDENTICAL AND NON-IDENTICAL TWINS

09:00 125 PREVALENCE OF URINARY INCONTINENCE DURING 10 YEARS IN A PROSPECTIVE COHORT OF MIDDLE AGED WOMEN
Jahanlu D, Hunskaar S

09:15 126 HOW DOES WEIGHT GAIN DURING PREGNANCY AFFECT RISK OF URINARY INCONTINENCE?
Wesnes S, L, Hunskaar S, Bo K, Rortveit G

09:30 127 SMOKING IS INDEPENDENTLY ASSOCIATED WITH CERTAIN URINARY STORAGE SYMPTOMS: A POPULATION-BASED STUDY
Tikkinen K, Johnson T, Auvinen A, Cartwright R, Tammela T L J

09:45 128 NATIONAL TRENDS IN THE USAGE AND SUCCESS OF SACRAL NEUROMODULATION
Cameron A P, Anger J T, Madison R, Saigal C S, Clemens J Q, Urologic Diseases in America Project U D A

10:00 129 DOES GOOD ORGANISATIONAL STRUCTURE LEAD TO QUALITY CARE PROVISION FOR OLDER PEOPLE WITH INCONTINENCE?
Wagg A, Lowe D, Peel P, Potter J

10:15 130 IMPACT OF URINARY INCONTINENCE ON REHABILITATION OUTCOMES IN PATIENT REHABILITATION FACILITIES IN THE UNITED STATES
Neville C, Mallinson T, Almagor O, Fitzgerald C, Heinemann A

10:30 - 11:00 Coffee Break / Poster & Video Viewing / Exhibition

Session 13 (Poster) - Physiology
Location: Hall B
Chairs: Marcus Drake (United Kingdom), Naoki Yoshimura (United States)

11:30 131 PRIZE AWARD: BEST BASIC SCIENCE ABSTRACT
ESTABLISHING A RODENT MODEL FOR CHARACTERIZATION OF NATURAL IN VIVO BLADDER REGENERATION
Bumeister J D, AbouShwareb T, Andersson K, Christ G

11:35 132 BONE MARROW MESENCHYMAH STROMAL CELLS DISPLAY A SMOOTH MUSCLE PHENOTYPE WHICH IS ENHANCED BY TGFB1: POTENTIAL USE TO TREAT SPHINCTERIC INCONTINENCE AND BLADDER WALL DEFECT
Loutochin O, Campeau L, Eliopoulos N, Galipeau J, Corcos J

11:40 133 THE SPHINGOSINE-1-PHOSPHATE PATHWAY IS UPREGULATED IN RESPONSE TO PARTIAL URETHRAL OBSTRUCTION IN MALE RATS AND ACTIVATES RHOA/RHO-KINASE SIGNALING

11:45 134 ALTERED CAMP-MEDIATED POTASSIUM CHANNEL CURRENTS IN DETRUSOR MYOCYTES FROM DIABETIC RATS
Zhao W, Brink P, Christ G

11:50 135 INCREASED ATP MEDIATED CONTRACTION OF ISOLATED DETRUSOR CELLS OF PATIENTS WITH OUTFLOW OBSTRUCTION

11:55 136 TRP4 AS STRETCH-RECEPTOR; CO-LOCALIZATION BETWEEN TRP4 AND ADHERENCE JUNCTIONS IN UROTHEL IUM OF HUMAN KIDNEY, URETER & URINARY BLADDER
Janssens D A W, Janssen K C F J, Schalken J A, Heesakkers J

12:00 137 TRP4 AS A MECHANORECEPTOR IN THE HUMAN BLADDER; A CO-LOCALIZATION BETWEEN TRP4 AND ADHERENCE JUNCTIONS THE UROTHELIUM
Janssens D A W, Janssen K C F J, Schalken J A, Heesakkers J

12:05 138 STIMULATION OF COLD STRESS SKIN RECEPTOR: TRANSIENT RECEPTOR POTENTIAL MELASTATIN 8 (TRPM8) CAUSES SUDDEN URINARY FREQUENCY IN NORMAL CONSCIOUS RATS

12:10 139 OBSTRUCTION ENHANCES RHO-KINASE PATHWAY IN CARBACHOL-INDUCED CA2+ SENSITIZATION IN ALPHA-TOXIN PERMEABILIZED GUINEA-PIG DETRUSOR SMOOTH MUSCLE
Shahab N, Kojika S, Takahashi R, Seki N, Naito S

12:15 140 HISTOLOGICAL EVIDENCE OF UBQUITOUS OCCURRENCE OF CHRONIC CYSTITIS IN UROTHELIAL BIOPSIES FROM PATIENTS WITH SYMPTOMS OF OVERACTIVE BLADDER AND NORMAL URINARY ANALYSIS

12:20 141 HOW IS THE BLADDER BEHAVIOUR INFLUENCED BY THE OSMOLARITY OF URINE?
Shiraiwa M, Shishido K, Nanni M, Kiniwa M, Yamaguchi O

12:25 142 A THERAPEUTIC APPROACH FOR RHABDOSPHINCTER REGENERATION BY AUTOLOGOUS ADULT STEM CELLS
11:00 - 12:30  Session 14 (Poster) - Epidemiology
Location: Hall C
Chairs: Vatche Minassian (United States), Guri Rortveit (Norway)
11:30  143  BLADDER CANCER IS NOT ASSOCIATED WITH IRRITATIVE LOWER URINARY TRACT SYMPTOMS
11:35  144  INCIDENCE OF AND RISK FACTORS FOR CHANGES IN URINARY INCONTINENCE STATUS IN A PROSPECTIVE COHORT OF MIDDLE-AGED AND OLDER WOMEN
Thom D, Van Den Eeden S, Rogers A, Schembri M, Subak L, Brown J
11:40  145  RELATIONSHIP BETWEEN NOCTURIA AND METABOLIC SYNDROME
11:45  146  ETHNICITY AND SOCIOECONOMIC STATUS ARE SIGNIFICANT INDEPENDENT RISK FACTORS FOR OBSTETRIC ANAL SPHINCTER INJURY
Cartwright R, Tikkinen K, Cardozo L
11:50  147  HELP-SEEKING BEHAVIOUR FOR URINARY INCONTINENCE AMONG COMMUNITY-DWELLING WOMEN: A SYSTEMATIC REVIEW
Sande A K, O'Donnell M, Hunskaar S
11:55  148  THE EPIDEMIOLOGY OF NOCTURNAL POLYURIA (INCIDENCE AND PREVALENCE): A LONGITUDINAL COMMUNITY BASED STUDY IN MEN BETWEEN 50 AND 78 YEARS OF AGE
12:00  149  DIFFERENCES AND ASSOCIATIONS BETWEEN NIGHT-TIME FREQUENCY/NOCTURIA AND SLEEP DISORDERS
van Doorn B, Blanker M, Bosch R
12:05  150  THE ASSOCIATION BETWEEN SPECIFIC PARTURITION EVENTS AND URINARY INCONTINENCE IN LATER LIFE: RESULTS FROM A RETROSPECTIVE COHORT STUDY
Thom D, Van Den Eeden S, Rogers A, Cresman J, Subak L, Brown J
12:10  151  PROGNOSTIC INDICATORS OF POOR SHORT-TERM OUTCOME OF PHYSIOTHERAPY INTERVENTION IN WOMEN WITH STRESS URINARY INCONTINENCE
Hendriks E, Kessels A G, de Vet H C, Bernards A T, de Bie R
12:15  152  LESSONS LEARNED FROM A PATIENT BURDEN SURVEY FOLLOWING A LARGE RANDOMIZED CONTROLLED TRIAL FOR THE SURGICAL MANAGEMENT OF STRESS URINARY INCONTINENCE IN WOMEN
Zimmern P, Tennstedt S, Dickinson T, Dandreo K
12:20  153  INTERMITTENT CATHETERISATION: DO DIFFERENT CATHETER TYPES, STRATEGIES OR TECHNIQUES AFFECT UTI?
Moore K, Fader M, Getifke F
12:25  154  GENITOURINARY FISTULA EXPERIENCE IN SIERRA LEONE: REVIEW OF 505 CASES
11:00 - 12:30  Session 15 (Poster) - LUTS in Women II
Location: Hall D
Chairs: Jerzy B Gajewski (Canada), Soren Brostrom (Denmark)
11:30  155  LOWER URINARY TRACT SYMPTOMS IN FEMALE PATIENTS WITH HYPERTHYROIDISM
Ho C, Yu H, Huang K
11:35  156  PRESERVATION OF URINARY WHITE CELLS TO ENABLE ADOPTION OF MICROSCOPY OF UNSPUN URINE FOR PYURIA INTO ORDINARY CLINICAL ASSESSMENT PROTOCOLS OF LOWER URINARY TRACT SYMPTOMS
11:40  157  SPUN URINARY SEDIMENTS AND GIEMSA STAIN REVEAL A CHRONIC INFLAMMATORY INFILTRATE IN PATIENTS WITH SYMPTOMS OF OAB
11:45  158  ENHANCING THE DETECTION OF PYURIA IN FRESH URINE FROM PATIENTS WITH OVERACTIVE BLADDER BY USE OF THE STERNHEIMER-MALBIN STAIN
11:50  159  BACTERIAL URINARY TRACT INFECTION IN PATIENTS WITH OAB SYMPTOMS AND NEGATIVE MIDSTREAM CULTURES EXPOSED THROUGH CULTURE OF THE URINARY SPUN SEDIMENT
11:55  160  IS ULTRASOUND BLADDER WALL THICKNESS A BETTER OBJECTIVE MEASURE THAN URODYNAMICS FOR OVERACTIVE BLADDER SYMPTOMS?
Iyayi O, Khullar V, Fernando R, Hendrickse C, Tekkis P
12:00  161  CAN AN AIR-FILLED INTRAVESICAL BALLOON IN-VIVO ATTENUATE PRESSURE AND RAISE THE ABDOMINAL PRESSURE AT WHICH STRESS URINARY INCONTINENCE LEAKAGE OCCURS?
Lopez M, Snyder J
12:05  162  SAFETY AND TOLERABILITY OF DUOXETINE IN THE TREATMENT OF FEMALE STRESS URINARY INCONTINENCE (SUI) IN GENERAL PRACTICE IN GERMANY - RESULTS FROM A LARGE OBSERVATIONAL STUDY
Michel M C, Methfessel D H, Minorczyk A, Schwedertner I, Quail D, Gross A
12:10  163  URODYNAMIC URETHRAL FUNCTION, THE SUPINE EMPTY BLADDER STRESS TEST, AND INCONTINENCE SEVERITY
12:15  164  AN INTERNATIONAL UROGynaecological Association (iUGA) – INTERNATIONAL CONTINENCE SOCIETY (ICS) JOINT REPORT ON THE TERMINOLOGY FOR FEMALE PELVIC FLOOR DYSFUNCTION
12:20  165  SUBCAPSULAR RELOCATION FOR SACRAL NEUROMODULATION PULSE GENERATOR IMPLANT REVISION
Roth T
12:25  166  SACRAL NEUROMODULATION IN URINARY RETENTION SECONDARY TO PELVIC ENDOMETRIOSIS ERADICATION
Pastorello M, Andretta E, Zuliani C, Vecchio D, Ostardo E
11:00 - 12:30  Session 16 (Poster) - Lower Urinary Tract, Physiology & Treatment
Location: Hall E
Chairs: Christopher R Chapple (United Kingdom), Anthony John Kanai (United States)

11:30  167  TREATMENT OF EXTENSIVE BXO INVOLVING THE WHOLE PENDULES URETHRA WITH BILATERAL BUCAL MUCOSA GRAFTS
Osman T, Jab E, Abdelwahab E

11:35  168  RISK FACTORS OF DE NOVO OVERACTIVE BLADDER AND STRESS INCONTINENCE FOLLOWING SURGICAL REMOVAL OF URETHRAL DIVERTICULUM
Kim Y H, Park S J, Hong J

11:40  169  SURGICAL MANAGEMENT OF URETHRAL DIVERTICULA IN WOMEN: A SYSTEMATIC REVIEW

11:55  170  MANAGEMENT AND OUTCOME OF INJURY TO THE URINARY TRACT AT GYNAECOLOGICAL AND OBSTETRIC PROCEDURES AT A BUSY DISTRICT GENERAL HOSPITAL
Venkitaraman U, Dixit S, Chilaka V

11:55  171  QUALITY OF LIFE AND VOIDING FUNCTION AND FOLLOWING NEOBLENDER FORMATION
Gillant D

12:00  172  LATISSIMUM DORSI DETRUSOR MYOPLASTY IN PATIENTS WITH ACONTRACTILE BLADDER – LONG TERM RESULTS OF A MULTICENTER STUDY

12:05  173  FIVE-YEAR FOLLOW-UP OF SACRAL NERVE NEUROMODULATION IN 60 WOMEN WITH IDIOPATHIC REFRATORY URGE INCONTINENCE
Groot J, Blok B, Bosch R

12:10  174  THE CORRELATION OF ESTIMATED AND ISOPE GFR IN PATIENTS WITH BOWEL IN THE URINARY TRACT
Ockrim J, Hamid R, Shah J, Greenwell T

12:15  175  RELEASE OF ATP AND NO FROM RAT PROSTATE: AN IN VITRO AND IN VIVO ASSESSMENT OF ADRENERGIC RECEPTOR STIMULATION
Munch E, Munoz A, Boone T, Smith C, Somogyi G

12:20  176  ALTERATION OF CAVEOLAE-MEDIATED SIGNALLING PATHWAYS IN OBSTRUCTED BLADDER
Cristofaro V, Lowalekar S, Yalla S V, Sullivan M P

12:25  177  EFFECTS OF ESTROGEN DEFICIENCY AND ITS REPLACEMENT ON VOIDING BEHAVIOUR AND PRIMARY BLADDER AFFERENT ACTIVITY IN THE RAT

12:30 - 13:30  Lunch Break / Poster / Video Viewing / Exhibition

13:30 - 14:30  Session 17 (Podium Video) - Videos - Surgical Techniques II
Location: Hall A
Chairs: Mark E Vierhout (Netherlands), Sherif Mourad (Egypt)

14:00  182  TRANSGAVIAL REPAIR OF ANTERIOR VAGINAL WALL PROLAPSE WITH AN ULTRA-LIGHT POLYPROPYLEN MESH NOVASILK® USING A LARGE UNFIXED INTERVESICOVAGINAL MESH
Mansoor A

14:10  183  LAPAROSCOPICALLY ASSISTED VAGINAL REPAIR OFVESICO-VAGINAL FISTULA - INITIAL CLINICAL REPORT

14:20  184  ADJUSTABLE TRANSPUBIC SUTURE IMPLANT (ARGUS® T)® FOR THE TREATMENT OF POST RADICAL PROSTATECTOMY URINARY INCONTINENCE (PROMPUI)
Trigo Rocha F, Gomez C, Figueiredo J A, Bruschini H, Srougi M

13:30 - 14:30  Session 18 (Poster) - Detrusor Overactivity Non-Current
Location: Hall B
Chairs: Christopher Henry Fry (United Kingdom), Lori A Birder (United States)

13:55  186  URINARY NERVE GROWTH FACTOR IS A BETTER BIOMARKER THAN DETRUSOR WALL THICKNESS FOR THE ASSESSMENT OF OVERACTIVE BLADDER WITH INCONTINENCE
Kuo H, Liu H, Chancellor M

14:00  187  INTERSTITIAL CELL P2Y6-RECEPTORS MODULATE DETRUSOR OVERACTIVITY FOLLOWING SPINAL CORD TRANSECTION
Ikeda Y, Birder L, DeGroot W, Kanai A

14:05  188  EFFECTS OF COMBINED USE OF TROPIUM CHLORIDE AND MELATONIN ON IN VITRO CONTRACTILITY OF RAT URINARY BLADDER
Onur R, Ozcan M, Tuygun U, Ozan T, Ayar A, Orhan I
14:10 189 MYOGENIC BASIS OF DETRUSOR OVERACTIVITY: CORRELATION OF ULTRASTRUCTURAL FEATURES IN NEUROGENIC AND NON-NEUROGENIC OVERACTIVE HUMAN DETRUSORS
Brammah S, Chan L, Tse V, Wills E

14:15 190 BLADDER DYSFUNCTION IN A NEW ANIMAL MODEL OF INCREASED LEVELS OF SUPEROXIDE IONS
Soler R, Fuehse K, Lu B, Bishop C, Andersson K

14:20 191 PROSTAGLANDIN INVOLVEMENT IN AFFERENT SIGNALING OF THE BLADDER

14:25 192 CYTOKINES IN URINE INDICATES URETHRAL ORIGIN OF URGENCY IN THE "OVERACTIVE BLADDER SYNDROME"
Lofgren O

13:30 - 14:30 Session 19 (Poster) - Rehabilitation
Location: Hall C
Chairs: Kari Bø (Norway), Wendy F Bower (Hong Kong)

13:50 193 PELVIC FLOOR MUSCLE TRAINING IN THE TREATMENT OF LOWER URINARY TRACT SYMPTOMS IN WOMEN WITH MULTIPLE SCLEROSIS
Lucio A, Campos R, Perissinotto M C, Damasceno B, D'Ancona C

13:55 194 EFFECTIVENESS OF INVOLVING A NURSE SPECIALIST FOR PATIENTS WITH URINARY INCONTINENCE IN PRIMARY CARE: RESULTS OF A PRAGMATIC MULTICENTRE RANDOMISED CONTROLLED TRIAL
Albers-Heitner, MSc, PCT C, Berghmans, PhD, PPT L, Lagro-Janssen, Prof, PhD, MD A, Joore, PhD M, Niemantsverdriet, PhD F, Venema, PhD, urologist P, Severens, Prof, PhD I, Winkens, PhD, MD R

14:00 195 A RANDOMIZED TRIAL OF PESSARY VS. BEHAVIORAL THERAPY VS. COMBINED THERAPY FOR TREATMENT OF STRESS URINARY INCONTINENCE
Richter H E

14:05 196 THE TREATMENT OF STRESS URINARY INCONTINENCE USING AN INCONTINENCE RING: A RANDOMIZED, CROSS-OVER TRIAL
Harvey M, Day A

14:10 197 SIMULTANEOUS PERINEAL ULTRASOUND AND VAGINAL PRESSURE MEASUREMENT PROVES THE EFFICACY OF ELECTRICAL PUDENDAL NERVE STIMULATION IN TREATING FEMALE STRESS INCONTINENCE
Siyou W, Jujuan Y, Guomei C, Mingyi X

14:15 198 PHYSICAL THERAPY FOR PERSISTENT POSTPARTUM STRESS URINARY INCONTINENCE: A SEVEN YEAR FOLLOW-UP STUDY
Elliot V, Dumoulin C, Martin C, Morin M, Lemieux M, Bourbonnais D

14:20 199 METHODS USED BY PHYSICAL THERAPISTS TO LEARN PELVIC FLOOR MUSCLE EXAMINATION
Shelly E, Krum L

14:25 200 TRANSPLANTATION OF MUSCLE-DERIVED STEM CELL PLUS FIBRIN GLUE RESTORES URETHRAL FUNCTION IN A PUDENDAL NERVE-TRANSECTED RAT MODEL
Xu Y, Song Y

13:30 - 14:30 Session 20 (Poster) - Pain Syndromes
Location: Hall D
Chairs: Bert Messelink (Netherlands), Christopher K Payne (United States)

13:50 201 AXONOPATHIC CHANGES OF VISCERAL NERVE ENDINGS IN URINARY BLADDER IN INTERSTITIAL CYSTITIS – AN ULTRASTRUCTURAL STUDY
Zamecnik I, Zamecnik J, Hacek J, Hanus T

13:55 202 INVOLVEMENT OF UROTHELIAL CRF RECEPTORS IN MODULATING BLADDER FUNCTION
Hanna-Mitchell A, Buffington T, Mayer E, Birder L

14:00 203 MUSCARINIC AND PURINERGIC RECEPTORS IN THE RAT BLADDER ARE ALTERED BY CHEMICALLY INDUCED CYSTITIS
Yamada S, Yoshida A, Kageyama A, Mori F, Ito Y

14:05 204 ASSESSMENT OF PATIENT OUTCOMES FOLLOWING SUBMUCOSAL INJECTION OF TRIAMCINOLONE FOR TREATMENT OF HUNNER’S ULCER SUBTYPE INTERSTITIAL CYSTITIS
Cox M, Klutke J, Klutke C

14:10 205 INVESTIGATION OF THE FUNCTION OF INTEGRIN-MEDIATED BACTERIAL ADHERENCE PROTEINS AND THEIR RECEPTORS IN WOMEN WITH RECURRENT BACTERIAL CYSTITIS AND INTERSTITIAL CYSTITIS
Price N, Carver J, Jackson S, Mardon H

14:15 206 UNILATERAL SACRAL NEUROMODULATION IN PATIENTS WITH PAINFUL BLADDER SYNDROME/INTERSTITIAL CYSTITIS: 5 YEARS FOLLOW UP
Ghazawi Y, Elkelini M, Hassouna M

14:20 207 VALIDATION OF A MODIFIED NATIONAL INSTITUTES OF HEALTH SYMPTOM INDEX TO ASSESS GENITOURINARY PAIN IN MEN AND WOMEN
Clemens J Q, Calhoun E A, Litwin M S, McNoughton-Collins M, Crowley E M, Landsj R

14:25 208 PAINFUL BLADDER AND URINARY TRACT PATHOLOGY ASSOCIATED WITH LONG TERM KETAMINE USE
Gillatt D

14:30 - 15:00 State of the Art 2: Bladder Reinnervation: Can New Nerves Improve the Function of the Neurogenic Bladder?
Location: Hall A
Chair: Karl-Erik Andersson (United States)
Speaker: William C de Groat (United States)

15:00 - 15:30 Coffee Break / Poster & Video Viewing / Exhibition

15:30 - 17:00 ICS Annual General Meeting
Location: Hall B

19:00 - 23:59 Gala Dinner aboard the San Francisco Belle
Location: San Francisco Belle
08:30 - 09:00  
Point-Counterpoint - Mesh vs No Mesh (Never Mesh: KK / Mesh Selectively: HS / Always Mesh:AS)  
Location: Hall A  
Chair: Ann Gormley (United States)  
Speakers: Kimberly Kenton (United States), Harriette Miles Scarpero (United States), Ajay Singla (United States)

09:00 - 10:00  
Session 21 (Podium) - Detrusor Overactivity  
Location: Hall A  
Chairs: Vikram Khullar (United Kingdom), Roger Roman Dmochowski (United States)

08:30  
A DOUBLE BLIND, PLACEBO CONTROLLED, RANDOMISED, CROSS OVER STUDY OF TRIGONE SPECIFIC INJECTIONS OF BOTULINUM TOXIN B FOR TREATING PATIENTS WITH IDIOPATHIC DETRUSOR OVERACTIVITY REFRACTORY TO OTHER CONSERVATIVE TREATMENTS  

08:45  
QUALITY OF LIFE IN A RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED STUDY OF OXYBUTYNIN CHLORIDE TOPICAL GEL TREATMENT OF PATIENTS WITH OVERACTIVE BLADDER  
Rudy D, Hanno P, Caramelli K, Thomas H, Hoel G

09:00  
CONDITIONAL NEUROMODULATION USING TRANS-RECTAL STIMULATION IN SPINAL CORD INJURY  
Craggs M, Edrisingshe N, Leaker B, Susser J, Al-Mukhtar M, Donaldson N

09:15  
ATP RELEASE DURING CYSTOMETRY IN WOMEN WITH DETRUSOR OVERACTIVITY AND PAINFUL BLADDER SYNDROME: CONTRIBUTION TO “URGENCY”?  

10:00 - 10:30  
Location: Hall A  
Chair: Anthony Stone (United States)  
Speaker: Jack Christian Winters (United States)

10:30 - 11:00  
Coffee Break / Poster & Video Viewing / Exhibition

11:00 - 12:00  
Session 22 (Podium) - Neuourology II  
Location: Hall A  
Chairs: Helmut Madersbacher (Austria), Jacques Corcos (Canada)

11:00  
PRIZE AWARD: Best Clinical Abstract (Joint)  
ABNORMAL BRAIN RESPONSES TO BLADDER FILLING IN YOUNG WOMEN WITH URINARY RETENTION AND EFFECT OF SACRAL NEUROMODULATION  
Kavia R, DasGupta R, Critchley H, Fowler C, Griffiths D

11:15  
PRIZE AWARD: Best Clinical Abstract (Joint)  
BRAIN ACTIVITY MEASURED BY FUNCTIONAL MAGNETIC RESONANCE IMAGING (FMRI) IS RELATED TO PATIENT REPORTS AND CLINICAL SEVERITY OF URGE URINARY INCONTINENCE  
Todic S, Griffiths D, Schaefer W, Cheng C, Resnick N

11:30  
BRAIN REGIONS AND EFFECTIVE CONNECTIVITY IN VOLUNTARY CONTROL OF BLADDER SENSATIONS: AN FMRI STUDY  

11:45  
BLADDER MANAGEMENT AFTER SPINAL CORD INJURY IN THE UNITED STATES 1973-2005  
Cameron A P, Wallner L, Sarma A, Tate D, Rodriguez G, Clemens J Q

11:00 - 12:00  
Session 23 (Podium) - Reconstructive Surgery LUT  
Location: Hall B  
Chairs: Anthony Stone (United States), Karl-Dietrich Sievert (Germany)

11:00  
PATIENT EXPECTATIONS, SUBJECTIVE IMPROVEMENT AND OBJECTIVE CURE: IS THERE A DIFFERENCE BETWEEN THE TRANSOBURATOR TAPE AND THE TENSION FREE VAGINAL TAPE PROCEDURE?  
Robert M, Birch C, Cenaillo D, Murphy M, Carlson K, Boverstock R, Mainprize T, Ross S

11:15  
THE IMPACT OF URETHROPLASTY ON VOIDING SYMPTOMS AND SEXUAL FUNCTION  
Johnson E, Latini J

11:30  
A NEW COLLAGEN-BASED UROTHELIAL TRANSPLANT FOR RECONSTRUCTIVE SURGERY OF THE LOWER URINARY TRACT  

11:45  
URETHRAL DIVERTICULA IN WOMEN: DISCREPANCIES BETWEEN MRI AND SURGICAL FINDINGS  
Chung D E, Purohit R, Girshman J, Blaivas J G

12:00 - 13:00  
Lunch Break / Poster & Video Viewing / Exhibition

12:00 - 13:00  
ICS 2009 Scientific Committee Prizes Meeting  
Location: Meeting Room 1

12:00 - 13:00  
Meet the Experts 5: Female LUTS and Fistulas  
Location: Room 2002  
Experts: Firouz Daneshgari (United States), Dirk de Ridder (Belgium)

12:00 - 13:00  
Meet the Experts 6: Neuourology  
Location: Room 2002  
Experts: Clare Juliet Fowler (United Kingdom), John PFA Heesakkers (Netherlands)
13:00 - 13:30  State of the Art 4: Medical Education and the Pharmaceutical Industry - Things ain't what they used to be
Location: Hall A
Chair: Clare Juliet Fowler (United Kingdom)
Speaker: Kate Lloyd (United Kingdom)

13:30 - 14:00  Session 24 (Poster) - Urodynamic Techniques & BOO
Location: Hall B
Chairs: Michael Duncan Crags (United Kingdom), Werner Schaefer (United States)

13:45  COMPUTER MODEL BASED DYNAMIC URETHROVAGINAL SUPPORT ASSESSMENT FOR FEMALE SUI
Zhang Y, Timm G, Sweet R, Metzger G, Burke D, Erdman A

13:55  URETHRAL MOBILITY AND ITS RELATIONSHIP WITH URODYNAMIC DIAGNOSIS
Papiris A, Shek K L, Dietz H P

14:00  URETHRAL SLEEVE SENSOR: A BETTER METHOD TO MEASURE URETHRAL PRESSURE DURING DYNAMIC CONDITIONS
Tan-Kim J, Weinstein M, Nager C

14:05  PERFORMANCE OF DISPOSABLE PRESSURE-SENSING CATHETERS DURING SIMULATED URODYNAMIC EVENTS
Awada H, Fletter P, Cooper M, Zaszczyrny P, Damaser M

14:10  URINE FLOW RATES IN WOMEN WITH SYMPTOMS OF PELVIC FLOOR DYSFUNCTION
Haylen B, Lee J, Zhou J, Law M

14:15  THE FIRST METHOD OF CONTINUOUS AND NON-INVASIVE BLADDER PRESSURE MEASUREMENT
Clarkson B, Robson W, Mcardle F, Griffiths C, Pickard R, Drinnan M

14:20  URODYNAMIC APPRAISAL OF THE EFFECT OF THE A-BLOCKER ALFUZOSIN ON FEMALE PRIMARY BLADDER NECK OBSTRUCTION
Athanasopoulos A, Gytopoulos K, Giannitsas K, Perimenis P

14:25  URODYNAMIC GRADING OF BLADDER OUTFLOW CONDITIONS IN FEMALES
Schaefer W, Chen Y, Tadic S, Griffiths D, Resnick N

13:30 - 14:30  Session 25 (Poster) - Basic Pharmacology
Location: Hall C
Chairs: Karl Erik Andersson (United States), Yasuhiro Igawa (Japan)

13:45  EFFECTS OF CL316,243, A BET-3-ADRENOCEPTOR AGONIST, AND PROSTAGLANDIN E2 ON THE PRIMARY BLADDER AFFERENT ACTIVITY OF THE RAT
Aizawa N, Igawa Y, Wyndaele J J

13:55  ALLYL ISOHOCYCNATE INDUCES BLADDER OVERACTIVITY VIA DIRECT ACTIVATION OF BOTH TRPA1 AND TRPV1

14:00  ACID, BUT NOT CAPSAICIN, IS AN EFFECTIVE STIMULUS FOR ATP RELEASE IN THE PORCINE BLADDER MUCOSA
Sadananada P, Mansfield K J, Burcher E

14:05  SPONTANEOUS CONTRACTILE ACTIVITY OF THE UROTHELIUM IS INCREASED BY MUSCARINIC AND PURINERGIC RECEPTOR STIMULATION
Morc C, Milligan C, Leeds C, Chess-Williams R

14:10  DEPRESSED UROTHELIAL INHIBITION OF DETRUSOR CONTRACTIONS IN THE HUMAN NEUROGENIC OVERACTIVE BLADDER
Chess-Williams R, Cross R, Chapple C

14:15  ROLE OF UROTHELIUM ON BETA-3-ADRENOCEPTOR MEDIATED RELAXATION IN HUMAN DETRUSOR MUSCLE
Propping S, Wuest M, Eichhorn B, Grimm M, Wirth M, Kaumann A, Ravens U

14:20  DISTRIBUTION OF B-ADRENOCEPTOR SUBTYPES IN SUBUROTHELIAL INTERSTITIAL CELLS OF THE HUMAN UROGENIC BLADDER
Otsuka A, Matsumoto R, Shinbo H, Imanishi T, Kurita Y, Ozono S

Miyamoto T, Mochizuki T, Zokohi H, Kobayashi H, Yoshiyama M, Araki I, Takeda M

13:30 - 14:30  Session 26 (Poster) - Neuromodulation (Basic & Clinical)
Location: Hall D
Chairs: Philip Edward van Kerrebrouck (Netherlands), Graham H Creasey (United States)

13:45  SACRAL NERVE STIMULATION PREVENTS THE FUNCTIONAL AND STRUCTURAL CHANGES ASSOCIATED WITH BLADDER OUTLET OBSTRUCTION: A RAT MODEL
Comiter C, Phil H, Salkin M, Mazur C

13:55  THE EFFECTS OF SACRAL ACUPUNCTURE ON ACETIC ACID-INDUCED BLADDER IRRITATION IN CONSCIOUS RATS
Hino K, Honjo H, Nakao M, Kitakoji H

14:00  PRIMARY SOMATOSENSORY EVOKED MAGNETIC FIELDS BY DORSAL PENILE NERVE STIMULATION
Matsushita M, Nakagawa H, Nakasato N, Kanno A, Kihira Y, Kawamori T, Ara Y

14:05  URETHRAL SPHINCTER EMG CONTROLLED DORSAL PENILE/CLITORAL NERVE STIMULATION TO TREAT NDO
Oiposa E, Baraou A, Rijkenhoff N

14:10  IS COST THE ACHILLES HEEL OF POSTERIOR TIBIAL NERVE STIMULATION? A COST MINIMISATION COMPARISON WITH ANTIMUSCARINIC THERAPY IN THE MANAGEMENT OF OAB
Robinson D, Jacklin P, Cardozo L

14:15  6 AND 12 MONTH RESULTS FROM ORBIT TRAIL COMPARING PERCUTANEOUS TIBIAL NERVE STIMULATION (PTNS) VS. EXTENDED-RELEASE TOLTERODINE
Peters K, MacDiarmid S, Wooldridge L, Leong P C, Shobeiri S A, Rovner E, Siegel S, Tate S, Faegins B

14:20  SACRAL NEUROMODULATION IN DIABETIC PATIENTS: SUCCESS AND COMPLICATIONS IN THE TREATMENT OF VOIDING DYSFUNCTION
Powell C, Daniels D, Braasch M, Kreden K

14:25  SACRAL NERVE STIMULATION FOR FECAL INCONTINENCE, A PROSPECTIVE, MULTICENTRE, SCOTTISH STUDY
Thornton M, Collie M, McKinlay A, Bartolo D
13:30 - 14:30

Session 27 (Poster) - Pelvic Floor & Lower Bowel
Location: Hall E
Chairs: Christine Norton (United Kingdom), Alois Martan (Czech Republic)

13:50 245 MESENCHYMAL STEM CELLS IMPROVE FUNCTIONAL OUTCOME AFTER ANAL SPHINCTER INJURY IN AN ANIMAL MODEL
Zutshi M, Salcedo L, Penn M, Mayorga M, Hull T, Damaser M

13:55 246 PREVALENCE OF URINARY AND BOWEL PROBLEMS IN GYNAECOLOGIC MALIGNANCIES – A CROSS SECTIONAL STUDY
Pushpalatha K, Sharma J B, Sunesh K, Roy K K, Lalit K, Sharma D N

14:00 247 INCIDENCE AND RISK FACTORS FOR FECAL INCONTINENCE IN OLDER MEN AND WOMEN

14:05 248 DO LEVATOR DEFECTS INCREASE THE RISK OF PROLAPSE RECURRENCE AFTER PELVIC FLOOR SURGERY?
Model A, Shek K L, Dietz H P

14:10 249 ULTRASOUND ASSESSMENT OF THE VAGINAL MESH SHRINKING IN PATIENT WITH ANTERIOR VAGINAL WALL REPAIR
Svabik K, Marton A, Masato J, El Haddad R

14:15 250 A PROSPECTIVE INTEROBSERVER STUDY USING THE POPSTIX DEVICE, A MEASURING TOOL TO SIMPLIFY POPQ MEASUREMENT
Hayward L, Wong V, Tomlinson L, Smallridge J

14:20 251 IS LEVATOR AVULSION A RISK FACTOR FOR RECURRENCE AFTER ANTERIOR COLPORRHAPHY?
Dietz H P, Shek K L, Chantarasorn V

14:25 252 THE OPTIMAL ANTERIOR REPAIR STUDY (OARS): A TRIPLE ARM RANDOMIZED DOUBLE BLINDED CLINICAL TRIAL OF STANDARD COLPORRHAPHY, PORCINE DERMIS OR POLYPROPYLENE MESH AUGMENTED ANTERIOR VAGINAL WALL REPAIR

14:30 - 15:00 Coffee Break / Poster & Video Viewing / Exhibition

15:00 - 16:00

Session 28 (Poster) - Pregnancy/Childbirth & Outcome
Location: Hall B
Chairs: Siv Morkved (Norway), Heinz Koelbl (Germany)

15:20 253 URINARY INCONTINENCE IN NULLIPAROUS WOMEN: INCIDENCE AND ASSOCIATED RISK FACTORS
Brown S, Donath S, MacArthur C, McDonald E, Krastev A

15:25 254 CAN LEVATOR AVULSION BE PREDICTED ANTENATALLY?
Shek K L, Chantarasorn V, Dietz H P

15:30 255 INTRAPARTUM AND POSTNATAL BLADDER CARE: A SURVEY OF MIDWIVES’ CURRENT PRACTICE
Carr D, Cook V

15:35 256 RESIDENCY AND RISK OF OBSTETRIC ANAL SPHINCTER INJURY IN MIGRANT SOUTH ASIAN WOMEN
Cartwright R, Al Memar M

15:40 257 INFLUENCE OF MATERNAL WEIGHT IN THE PERSISTENCE OF PREGNANCY STRESS URINARY INCONTINENCE ONE YEAR AFTER FIRST DELIVERY
Diez Itza I, Arrue M, Ibañez L, Paredes J, Murgiondo A, Sarasqueta C

15:45 258 FOUR YEARS AFTER FIRST DELIVERY, DO URINARY INCONTINENCE AND ANAL INCONTINENCE SHARE SAME OBSTETRICAL RISK FACTORS?
Fritel X, Khoshnood B, Fauconnier A

15:50 259 URINARY INCONTINENCE 12 YEARS AFTER FIRST CHILDBIRTH IN A COHORT OF 235 WOMEN
Fritel X, Morel K, Quiboef E, Fauconnier A

15:55 260 OVINE MODEL OF OBSTETRIC FISTULA

15:00 - 16:00

Session 29 (Poster) - Painful Bladder Syndrome / IC
Location: Hall C
Chairs: Ragi Dogweiler (United States), Stefan de Wachter (Belgium)

15:20 261 PREVALENCE OF INTERSTITIAL CYSTITIS/ PAINFUL BLADDER SYNDROME IN THE UNITED STATES
Clemens J Q, Stoto M A, Elliott M, Suttrop M, Bogart L, Berry S H

15:25 262 CXCR3 AND RELATED CHEMOKINES AS POSSIBLE BIOMARKERS FOR ULCERATIVE INTERSTITIAL CYSTITIS

15:30 263 ELEVATED URINARY LEVELS OF HEPATOCARCINOMA-INTESTINE-PANCREAS/PANCREATITIS-ASSOCIATED PROTEIN (HIP/PAP) IN PATIENTS WITH PAINFUL BLADDER SYNDROMES/INTERSTITIAL CYSTITIS (PBS/IC)
Makino T, Kawashima H, Konishi H, Tanaka T, Nakatani T, Kyama H

15:35 264 PHYSICAL FINDINGS IN PATIENTS WITH UROLOGIC CHRONIC PELVIC PAIN SYNDROMES (UCPPS)
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>15:45</td>
<td>266</td>
<td>DEFECTIVE SPINAL MODULATION OF NOCICEPTIVE PROCESSING IN PATIENTS WITH PAINFUL BLADDER SYNDROME/INTERSTITIAL CYSTITIS (PBS-IC) MAY PLAY AN ESSENTIAL ROLE IN THE PATHOPHYSIOLOGY OF THE DISEASE</td>
<td>Malaguti S, Mako A, Natale F, Lamarche J, Cervigni M</td>
</tr>
<tr>
<td>15:50</td>
<td>267</td>
<td>BLADDER-COLON CROSS-SENSITIZATION INDUCED BLADDER OVERACTIVITY</td>
<td>Zabbarova I, Birder L, Roppolo J, DeGroot W, Kanai A</td>
</tr>
<tr>
<td>15:55</td>
<td>268</td>
<td>MOUSE MODEL FOR CHARACTERIZATION OF RADIATION CYSTITIS AND ITS PREVENTION USING A NEW CLASS OF RADIOPROTectors</td>
<td>Zabbarova I, Wipf P, Birder L, Epperly M, DeGroot W, Kanai A</td>
</tr>
</tbody>
</table>

### Session 30 (Poster) - Anatomy & Imaging

**Location:** Hall D  
**Chairs:** John Gosling (United States), Hans Peter Dietz (Australia)

<table>
<thead>
<tr>
<th>Time</th>
<th>Number</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>15:20</td>
<td>269</td>
<td>ANATOMY OF THE UTEROSACRAL LIGAMENT</td>
<td>Dzung V, Haylen B, Kelly T, Annabelle F</td>
</tr>
<tr>
<td>15:30</td>
<td>271</td>
<td>COURSE OF THE DORSAL NERVE OF THE CLITORIS</td>
<td>Ginger V A, Yang C</td>
</tr>
<tr>
<td>15:35</td>
<td>272</td>
<td>PERINEAL APPROACH TO VASCULAR ANATOMY DURING TRANSOBUTURATOR CYSTOCELE REPAIR</td>
<td>Bodar G</td>
</tr>
<tr>
<td>15:40</td>
<td>273</td>
<td>A SIMPLIFIED METHOD FOR DETERMINING HIATAL BIOMETRY</td>
<td>Wong V, Dietz H P</td>
</tr>
<tr>
<td>15:50</td>
<td>275</td>
<td>THREE-DIMENSIONAL VIRTUAL-REALITY RECONSTRUCTION OF PELVIC FLOOR STRUCTURE FOR PATIENTS WITH FEMALE STRESS URINARY INCONTINENCE</td>
<td>Hu L, Song Y</td>
</tr>
</tbody>
</table>

### Session 31 (Poster) - Nocturia & Incontinence

**Location:** Hall E  
**Chairs:** Edwin Paterson Arnold (New Zealand), Jerry G Blaivas (United States)

<table>
<thead>
<tr>
<th>Time</th>
<th>Number</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>15:30</td>
<td>279</td>
<td>THE INCIDENCE AND PREVALENCE OF NOCTURIA (INCREASED NOCTURNAL VOIDING FREQUENCY): RESULTS FROM A COMMUNITY BASED COHORT STUDY IN OLDER MEN</td>
<td>van Doorn B, Blankert M, Bosch R</td>
</tr>
<tr>
<td>15:45</td>
<td>282</td>
<td>THE AGE OF RECOVERY FROM ENURESIS CORRELATES WITH THE NATURAL COURSE OF OAB IN ADULTS</td>
<td>Al-Shukri S, Kuzmin I, Lukina E</td>
</tr>
<tr>
<td>15:50</td>
<td>283</td>
<td>ANXIETY AND DEPRESSION ASSOCIATED WITH INCONTINENCE IN MIDDLE AGED WOMEN</td>
<td>Felde G, Bjelland I, Hunskaar S</td>
</tr>
<tr>
<td>15:55</td>
<td>284</td>
<td>THE EPIDEMIOLOGICAL STUDY OF WOMEN WITH URINARY INCONTINENCE AND RISK FACTORS FOR STRESS URINARY INCONTINENCE IN CHINA</td>
<td>Zhu L</td>
</tr>
</tbody>
</table>

**Closing Ceremony & Prizes**

**Location:** Hall A
ATP RELEASE DURING CYSTOMETRY IN WOMEN WITH DETRUSOR OVERACTIVITY AND PAINFUL BLADDER SYNDROME: CONTRIBUTION TO “URGENCY”? 

Hypothesis / aims of study
ATP is an important signalling molecule whose release from the bladder urothelium in response to stretch is thought to stimulate afferent nerves and thus convey information about bladder fullness (and the sensation of urgency). Our aim was to measure the release of ATP during urodynamic filling of bladders of women with idiopathic detrusor overactivity (DO), painful bladder syndrome (PBS) and stress incontinence (controls), in order to test the hypothesis that ATP release might play a role in bladder function and/or dysfunction.

Study design, materials and methods
Routine cystometry was performed on 118 women aged 28-87 years. Informed consent was obtained and the study was approved by the local human ethics committee. Saline was infused into the bladder at a filling rate of 75ml / min. The volumes at first desire to void (FDV) and maximal cystometric capacity (MCC) were noted. The presence of any detrusor contractions during filling, erect provocation and tap water stimulus were recorded. After voiding, the saline bladder washings were collected, the volume voided noted and the bladder washings were snap frozen at -30°C. ATP was measured using a bioluminescence assay (Sigma) and a luminometer (GloMax 20/20). The concentration of ATP (nmoles/l) in each sample was calculated.

Patients were characterised as (a) DO (involuntary detrusor contractions during the filling phase which may be spontaneous or provoked), (b) PBS (FDV ≤200 ml, MCC ≤400 ml, stable bladder) or (c) control (neither DO or PBS, i.e. pure urodynamic stress incontinence, involuntary leakage of urine during increased abdominal pressure in the absence of detrusor contractions). Subjects found to have bacterial cystitis on a catheter specimen of urine on the test day (10^7 c.f.u./l with pyuria >10 wbc/l) were excluded from the study. Overall subject numbers comprised 49 DO, 18 PBS and 51 control women. Data were expressed as median (interquartile range, IQR). Correlations between two factors were tested by linear regression analysis.

Results
Figure 1. Correlation of ATP concentration in bladder washing with maximal cystometric capacity (MCC) in all patients (control (○), DO (●) and PBS (▲) patients). There was a significant inverse correlation between maximal bladder capacity and ATP concentration in the bladder washings from all of the patients (r^2 = 0.07, P = 0.003): that is, the smaller the maximal capacity, the greater the ATP concentration (Fig 1). Analysis of the correlation between the ATP concentration in the individual patient sub-groups revealed a similar trend in control and DO patients, but this was significant only in control patients (P = 0.013, r^2 = 0.12).
There was a significant correlation between FDV and ATP concentration in the bladder washings in DO (Fig 2B, $r^2 = 0.096, P = 0.03$) and PBS (Fig 2C, $r^2 = 0.23, P=0.04$) patients, but not in control patients (Fig 2A, $r^2 = 0.004, P = 0.65$).

**Interpretation of results**
This appears to be the first study showing that ATP release can be analyzed in the fluid voided after cystometry testing, which opens new avenues of research. In the present study, there was a general correlation between ATP release and MCC. That is, the lower the MCC, the higher the ATP concentration in the bladder washing. This is in accordance with data from human mucosal strips where stretch increases ATP release [1]. Our findings suggest that the intravesical concentration of ATP might be an important factor in the sensation of maximum bladder capacity. As regards the first desire to void, there was no correlation between bladder washing ATP concentration and FDV in control patients. However, there was a significant correlation between ATP and FDV in DO and PBS patients. That is, higher ATP release was related with a lower FDV, in these two groups. This is in accordance with recent studies in bladder mucosal strips showing enhanced ATP release in response to stretch in patients with PBS [2].

**Concluding message**
The measurement of ATP in cells from cystometry washings is a novel approach to understanding the signals that may contribute to the sensation of “urgency” (the sudden compelling desire to void). The inverse correlation between ATP release and maximum capacity suggests that ATP released during bladder filling plays a role in modulating afferent sensation. The relationship between ATP and FDV seen only in the DO / PBS patients suggests that ATP release may be more readily triggered in these women.

**References**