

## SCIENTIFIC PROGRAM

Tuesday, August 24, 1999

**8:30–9:00 am Opening Ceremony**

**9:00–10:45 am ICS Plenary Session (Session 1)  
New Developments in Urodynamics**

- 9:00 1 COUGH LEAK POINT PRESSURE (CLPP)—DEVELOPMENT OF A NEW METHOD FOR ROUTINE USE AND TESTING OF CLINICAL RELIABILITY  
*Höfner, K; Oelke, M; Wagner, T; Mebert, J; Jonas, U.*
- 9:15 2 COUGH AND VALSALVA MANUEVERS ARE DIFFERENT: FREQUENCY SPECTRUM ANALYSIS  
*Kim, K-J; Jurnalov, CD; Webb, MJ; Lightner, DJ; Lee, RA*
- 9:30 3 THE ACCURACY OF A NON-INVASIVE BLADDER PRESSURE MEASUREMENT WITH AN EXTERNAL CATHETER  
*Pel, JJM; van Mastrigt, R*
- 9:45 4 A NEW METHOD FOR NON-INVASIVE ASSESSMENT OF BLADDER PRESSURE DURING VOIDING COMPARED WITH SIMULTANEOUS INVASIVE URODYNAMICS  
*Griffiths, C; Pickard, R; Robson, W; Thomas, D; Davies, J; Ramsden, P*
- 10:00 5 A VARIABLE RESISTANCE CATHETER FOR NON-INVASIVE MEASUREMENT OF THE BLADDER PRESSURE  
*Pel, JJM; van Mastrigt, R*
- 10:15 6 A NEW METHOD FOR NON-INVASIVE MEASUREMENT OF VOIDING PRESSURE? ASSESSMENT OF PENILE CUFF OCCLUSION  
*Griffiths, C; Pickard, R; Tuckey, JW; Thomas, D; Davies, J; Ramsden, P*
- 10:30 7 AMBULATORY URODYNAMICS: DO WE NEED IT?  
*Salvatore, S; Khullar, V; Cardozo, L; Anders, K; Digesù, GA; Bidmead, J*

**10:45–11:15 am Coffee Break**

**11:15–12:30 State of the Art Lecture**

**12:30–1:30 pm Lunch**

**1:30–2:00 ICS/ICCS Plenary**

**2:00–3:00 ICCS Plenary and ICS Poster Viewing**

**3:00–3:30 Coffee Break**

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**3:30–5:30 ICCS/ICS Podium Session (Session 2)  
Treatment of Voiding Dysfunction**

- 3:30 8 A MULTI-DISCIPLINARY THERAPEUTIC APPROACH IN A “VOIDING SCHOOL” FOR THERAPY- RESISTANT DYSFUNCTIONAL VOIDING  
*Vandaele, J; Vande Walle, J; Hoebeke, P; Renson, C; Raes, A; Van Hoecke, E; Van Laecke, E; De Paepe, H; Theunis, M*
- 3:45 9 BIOFEEDBACK METHODOLOGY: DOES IT MATTER HOW WE TEACH CHILDREN WITH VOIDING DYSFUNCTION TO RELAX?  
*Schulman, S; von Zuben, FC; Kodman-Jones, C; Plachter, N; McGinley, AB; Schniepp, R*
- 4:00 10 THE OVERACTIVE BLADDER OF CHILDHOOD: LONG-TERM RESULTS WITH CONSERVATIVE TREATMENT  
*Bauer, SB; Curran, MJ; Kaefer, M; Peters, CA*
- 4:15 11A OXYBUTYNINE-HCI VERSUS PLACEBO IN CHILDREN WITH URODYNAMICALLY PROVEN URGE SYNDROME—A PLACEBO CONTROLLED STUDY  
*Misselwitz, J; John, U; Tamminin-Möbius, T; Lax-Gross, H; Hirche, H; van Gool, JD; de Jong, TPVM; Winkler-Seinstra, P; Nijman, RM; Vlasblom, M; Hoebeke, P; Vande Walle, J Urecht, J; Hjälms, K; Hellström, A-L; Bachmann, H; Heilenkötter, K*
- 11B A COMPARISON STANDARD THERAPY, BLADDER REHABILITATION WITH BIOFEEDBACK, AND PHARMACOTHERAPY IN CHILDREN WITH NON-NEUROPATHIC BLADDER SPHINCTER DYSFUNCTION  
*van Gool, JD; de Jong, TPVM; Winkler-Seinstra, P; Tamminin-Möbius, T; Lax-Gross, H; Hirche, H; Nijman, RM; Vlasblom, M; Hoebeke, P; Van de Walle, J; Hjälms, K; Hellström, A-L; Bachmann, H; Heilenkötter, K; Misselwitz, J; John, U*
- 4:30 12 ALPHA-ADRENERGIC BLOCKADE IN CHILDREN WITH VOIDING DYSFUNCTION  
*Austin, PF; Homsy, YL; Cain, MP; Rink, RC; Casale, AJ*
- 4:45 13 TRANSCUTANEOUS NEUROMODULATION IN NON-NEUROPATHIC BLADDER SPHINCTER DYSFUNCTION IN CHILDREN: PRELIMINARY RESULTS  
*Hoebeke, P; De Paepe, H; Renson, C; Van Laecke, E; Raes, A; Vande Walle, J*
- 5:00 14 URODYNAMIC PATTERN IN ASYMPTOMATIC INFANT SIBLINGS TO CHILDREN WITH VESICoureTERAL REFLUX  
*Bachelard, M; Sillén, U; Hansson, S; Hermansson, G; Jodal, U; Jacobsson, B*
- 5:15 15 EFFICACY OF A CHILDHOOD INCONTINENCE CARE PROGRAMME IN IMPROVING THE QUALITY OF LIFE IN CHILDREN WITH INCONTINENCE PROBLEM  
*Yeung, CK; Sit, FKY; To, L*

**3:30–5:30 ICS Poster Session 1 (Session 3)  
Neurophysiology**

- 3:30 16 ANALYSIS OF COMMUNICATION BETWEEN MUSCLE BUNDLES USING 3-D IMAGE RECONSTRUCTION OF SERIAL SECTIONS OF HUMAN BLADDER  
*Drake, MJ; Wyatt, G; McMurray, G; Noble, JG; Brading, AF*

- 3:38 17 REGIONAL DIFFERENCES IN BLADDER BLOOD FLOW AND  
MICROCIRCULATION RESISTANCE AT REST AND DURING FILLING  
*Kozłowski, R; Siroky, MB; Krane, RJ; Azadzi, KM*
- 3:46 18 BLADDER NERVE GROWTH FACTOR (NGF) - EXPRESSION PREDICTS  
OUTCOME IN PATIENTS TREATED BY INTRAVESICAL CAPSAICIN  
FOR REFRACTORY DETRUSOR HYPERREFLEXIA  
*Lazzeri, M; Lecci, A; Beneforti, P; Spinelli, M; Del Popolo, G; Arganini, L;  
Zanollo, A; Turini, D*
- 3:54 19 NERVE GROWTH FACTOR (NGF) GENE THERAPY USING  
REPLICATION DEFECTIVE HERPES SIMPLEX VIRUS (HSV) VECTORS  
FOR DIABETIC BLADDER DYSFUNCTION  
*Ishiura, Y; Yoshimura, N; Yokoyama, T; Phelan, MW; Fraser, MO; Goins,  
WF; Glorioso, JC; de Groat, WC; Chancellor, MB*
- 4:02 20 MORPHOLOGICAL CHANGES ASSOCIATED WITH IMPAIRED  
DETRUSOR CONTRACTILITY  
*Brierly, RD; Hindley, RG; Harding, DM; Thomas, PJ*
- 4:10 21 NERVE REGENERATION AND VOIDING BEHAVIOR PATTERNS  
AFTER PUDENDAL NERVE CRUSH IN FEMALE RAT  
*Damaser, MS; Sakamoto, K; Smith, GM; Storer, P; Jones, KJ*
- 4:18 22 COMPLEX REPETITIVE DISCHARGES DURING URETHRAL  
SPHINCTER ELECTROMYOGRAPHY: CLINICAL CORRELATES  
*Fitzgerald, MP; Blazek, B; Brubaker, L*
- 4:26 23 DIFFERENTIAL EFFECTS ON BLADDER AND EXTERNAL URETHRAL  
SPHINCTER OF CHEMICAL STIMULATION IN THE  
PERIAQUEDUCTAL GRAY OF THE ANESTHETIZED RAT  
*Downie, JW; Matsuura, S; Allen, GV*
- 4:34 24 CENTRAL INNERVATION OF THE PROSTATE GLAND AS REVEALED  
BY THE TRANSNEURAL TRANSPORT OF PSEUDORABIES VIRUS  
*Zermann, D-H; Ishigooka, M; Doggweiler, R; Schubert, J; Schmidt, RA*
- 4:42 25 ULTRASTRUCTURAL EVIDENCE FOR A DIRECT PATHWAY FROM  
THE LUMBSACRAL SPINAL CORD TO THE PONTINE  
MICTURITION CENTER OF RATS  
*Blok, BFM; Holstege, G*
- 4:50 26 A RAT MODEL FOR INVESTIGATION OF BLADDER DYSFUNCTION  
ASSOCIATED WITH MULTIPLE SCLEROSIS-LIKE DEMYELINATING  
DISEASE  
*Mizusawa H; Igawa, Y; Ishizuka, O; Nishizawa, O; Ichikawa, M; Ito, M;  
Andersson, K-E*
- 4:58 27 SACRAL ROOT NEUROMODULATION INDUCES INHIBITION OF THE  
HYPERACTIVE C-AFFERENT FIBERS IN A HYPERREFLEXIC ANIMAL  
MODEL  
*Shaker, H; Loung, D; Balbaa, L; Fehling, M; Hassouna, M*
- 5:06 28 CONTRACTION OR SUPPRESSION OF THE BLADDER BY MAGNETIC  
STIMULATION OF THE SACRAL ROOTS? RESOLVING THE PARADOX  
*Craggs, MD; Shah, N; Sheriff, M; Khastgir, J; Shah, PJR*
- 5:14 29 COMPUTER MODELS AS A RESEARCH TOOL FOR THE  
INVESTIGATION OF LOWER URINARY TRACT PHYSIOLOGY  
*Bemelmans, BLH; van Duin, F; Debruyne, FMJ; Wijkstra H*

## Wednesday, August 25, 1999

**8:30–10:00 am ICS/IUGA Plenary Session 1 (Session 4)  
Fundamentals of Pelvic Floor Structure**

- 8:30 30 PLASMA ELASTASE REGULATION IN STRESS URINARY INCONTINENCE  
*Mathrubutham, M; Aybek, Z; Fogarty, J; Lee, J; Rao, SK; Badlani, GH; Kushner, L*
- 8:45 31 COLLAGENASE ACTIVITY IS ELEVATED IN CONDITIONED MEDIA FROM FIBROBLASTS OF WOMEN WITH PELVIC FLOOR WEAKENING  
*Kushner, L; Chen, Y; Desautel, M; Burney, T; Moak, S; Greenwald, R; Badlani, G*
- 9:00 32A THE PATHOPHYSIOLOGICAL CHANGES OF VAGINAL TISSUE IN WOMEN WITH STRESS URINARY INCONTINENCE: A CONTROLLED TRIAL  
*James, M; Avery, N; Jackson, S; Bailey, A; Abrams, P*
- 32B THE BIOCHEMICAL PROFILE OF VAGINAL TISSUE IN WOMEN WITH GENITOURINARY PROLAPSE: A CONTROLLED TRIAL  
*James, M; Avery, N; Jackson, S; Bailey, A; Abrams, P*
- 9:15 33 QUANTITATIVE ELECTROMYOGRAPHIC ANALYSIS OF LEVATOR ANI AND EXTERNAL ANAL SPHINCTER MUSCLES OF NULLIPAROUS WOMEN  
*Weidner, AC; Sanders, DB; Massey, JM; Bump, RC*
- 9:30 34 VARIATION IN QUANTITY AND DISTRIBUTION OF NEURAL TISSUE IN THE STRIATED UROGENITAL SPHINCTER MUSCLE  
*Pandit, M; DeLancey, JOL; Iyengar, J; Perucchini, D; Ashton-Miller, JA*
- 9:45 35 PULL-OUT STRENGTH OF REATTACHMENT SITES IN RECONSTRUCTIVE PELVIC SURGERY: A BIOCHEMICAL STUDY  
*Lazarou, G; Chu, TW; Scotti, RJ; Haines, D; Olson, TR; Greston, WM*

**10:00–10:30 am Coffee Break**

**10:30–11:00 State of the Art Lecture**

**11:00–12:30 ICS/IUGA Plenary Session 2 (Session 5)  
Pregnancy, Delivery and Pelvic Floor**

- 11:00 36 STRESS INCONTINENCE 5 YEARS AFTER 1ST DELIVERY  
*Viktrup, L; Lose, G*
- 11:15 37 IS PELVIC FLOOR REEDUCATION AFTER VAGINAL DELIVERY EFFECTIVE? A PROSPECTIVE DOUBLE-BLIND RANDOMIZED STUDY IN PRIMIPARAE  
*Meyer, S; Hohlfeld, P; De Grandi, P; Megalo, A*

- 11:30 38A PREVALENCE AND RISK FACTORS OF URINARY INCONTINENCE AT 16 WEEKS OF GESTATION  
*Højberg, KE; Salvig, JD; Winsløw; Lose, G; Secher, NJ*
- 38B PREVALENCE AND RISK FACTORS OF ANAL INCONTINENCE AT 16 WEEKS OF GESTATION  
*Højberg, KE; Salvig, JD; Winsløw; Bek, KM; Laurberg, S; Lose, G; Secher, NJ*
- 11:45 39 PREGNANCY AND NOT DELIVERY ASSOCIATED WITH POSTPARTUM INCONTINENCE IN PRIMIGRAVID WOMEN  
*Cook, VAM; Osborne, JL; Malone-Lee, JG*
- 12:00 40 ASSESSMENT OF PUDENDAL NERVE FUNCTION IN POSTPARTUM FECAL INCONTINENCE  
*Fynes, M; O'Brien, C; Behan, M; O'Connell, PR; O'Herlihy, C*
- 12:15 41 ANATOMICAL AND FUNCTIONAL RESULTS AFTER REPAIR OF THIRD DEGREE ANAL SPHINCTER RUPTURE  
*Gauruder, A; Hohl, M-K*

**12:30–1:30 Lunch**

**1:30–3:00 ICS/IUGA Plenary Session 3 (Session 6)  
Treatment of Stress Incontinence**

- 1:30 42 A FIVE YEAR PROSPECTIVE RANDOMIZED URODYNAMIC STUDY COMPARING OPEN AND LAPAROSCOPIC COLPOSUSPENSION  
*Burton, G*
- 1:45 43 TREATMENT OF INTRINSIC SPHINCTER DEFICIENCY USING AUTOLOGOUS EAR CARTILAGE AS A PERIURETHRAL BULKING AGENT  
*Bent, AE; Tutrone, RT; Lloyd, LK; Badlani, G; Kennelly, MJ*
- 2:00 44 GAX COLLAGEN OR MACROPLASTIQUE DOES IT MAKE A DIFFERENCE?  
*Anders, K; Khullar, V; Cardozo, L; Bidmead, J; Athanasiou, S; Hobson, P; Ashman, O*
- 2:15 45 TISSUE REPLACEMENT BY TENSION-FREE INSERTION OF PROLENE TAPE (TVT TECHNIQUE ACCORDING TO ULMSTEN) IN URINARY INCONTINENCE (UI): TECHNICAL DETAILS, INDICATIONS, SPECIFICATIONS, RESULTS  
*Tunn, R; Bettin St; Fischer, W*
- 2:30 46 TENSION FREE VAGINAL TAPE OPERATION RESULTS AND POSSIBLE PROBLEMS  
*Kulseng-Hanssen, S; Kristoffersen, M; Larsen, E*
- 2:45 47 A MULTI-CENTRE, PROSPECTIVE, RANDOMISED, CONTROLLED, GROUP COMPARATIVE STUDY OF THE EFFICACY OF VAGINAL CONES AND PFX  
*Laycock, J, Brown, J; Cusack, C; Green, S; Jerwood, D; Mann, K; Schofield, A*

**3:00–3:30 Coffee Break**

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**3:30–5:30 ICS/IUGA Poster Session 1 (Session 7)  
Imaging**

**3:30–3:50 View Posters**

- 3:50 48A DYNAMIC MRI: A NEW GRADING SYSTEM FOR PELVIC PROLAPSE AND PELVIC FLOOR RELAXATION  
*Comiter, CV; Vasavada, SP; Barbaric, Z; Raz, S*
- 48B PRE-OPERATIVE EVALUATION OF PELVIC PROLAPSE USING DYNAMIC MAGNETIC RESONANCE IMAGING  
*Comiter, CV; Vasavada, SP; Barbaric, Z; Raz, S*
- 3:58 49 ULTRASONOGRAPHIC DIAGNOSIS OF PARAVAGINAL DEFECTS: A CRITICAL EVALUATION  
*Nguyen, JK; Hall, CD; Taber, E; Bhatia, NN*
- 4:06 50 THE QUANTIFICATION OF UTEROVAGINAL PROLAPSE BY ULTRASOUND: A COMPARISON WITH THE ICS PROLAPSE ASSESSMENT SYSTEM  
*Dietz, HP; Haylen, BT; Broome, J*
- 4:14 51 THE SUB-OPTIMAL ACCURACY OF THE BLADDER SCAN: RELIABILITY AGAINST A KNOWN VOLUME, USING A MEASURE OF AGREEMENT  
*Simons, A; Cragg, S; Moore, KH*
- 4:22 52 A NEW IMAGING METHOD IN UROGYNAECOLOGY: TRANSLABIAL COLOUR DOPPLER  
*Dietz, HP; Clarke, B*
- 4:30 53 EVALUATION OF THE LEVATOR ANI MUSCLE STRUCTURE USING DIFFERENT MR IMAGING TECHNIQUES  
*Tunn, R; DeLancey, J; Howard, D; Ashton-Miller, J; Quint, L; Goedicke, J*
- 4:39 54 WOMEN WITH LOCALIZED LEVATOR ANI ABNORMALITIES ON MR IMAGES AND STRESS INCONTINENCE HAVE WEAKER MUSCLES AND DECREASED PELVIC ORGAN SUPPORT  
*Speights, SE; DeLancey, JOL; Ashton-Miller, JA; Howard, D*
- 4:46 55 COMPARISON OF TRANS-ANAL SONOGRAPHY AND MRI MAPPING OF INTERNAL AND EXTERNAL OBSTETRIC ANAL SPHINCTER DEFECTS  
*Fynes, M; O'Herlihy, C; O'Connell, PR; Behan, M.*
- 4:54 56 THE SIGNIFICANCE OF AN OPEN BLADDER NECK IN THE EVALUATION OF THE FEMALE STRESS URINARY INCONTINENCE  
*Kim, SJ; Choi, JH; Kim, DK; Lee, KS*
- 5:02 57 DIAGNOSTIC ASSESSMENT OF DEFECTS OF THE PUBOCERVICAL FASCIA IN URINARY INCONTINENCE: COMPARISON OF MR IMAGING AND HISTOLOGICAL FINDINGS  
*Tunn, R; Rieprich, M; Beyersdorff, D; Kaufmann, O; Bettin, St; Fischer, W*
- 5:10 58 DO BLADDER NECK POSITION AND AMOUNT OF ELEVATION INFLUENCE THE SURGICAL OUTCOME OF COLPOSUSPENSION?  
*Bombieri, L; Freeman, RM*
- 5:18 59 ULTRASOUND IMAGING OF URETHRAL FUNNELLING  
*Mašata, J; Martan, A; Halaška, M; Otcenášek, M; Voight, R*

**3:30–5:30 ICS/IUGA Poster Session 2 (Session 8)  
Pelvic Floor and Urethral Dysfunction**

**3:30–3:50 View Posters**

- 3:50 60A DEVELOPMENT OF THE STRIATED MUSCLE IN THE HUMAN URETHRAL SPHINCTER (IUS)  
*Holliger, St; Schaffner, Th*
- 60B HISTOLOGICAL AND IMMUNOHISTOCHEMICAL STUDY OF THE RHABDOSHPINCTER IN HUMAN BEINGS  
*Holliger, St; Kappeler, A; Weis, J; Schaffner, T*
- 3:58 61 A MODIFIED CONTINENCE EQUATION CAN QUANTIFY STRESS LEAK POINT PRESSURE IN TERMS OF MAXIMUM URETHRAL CLOSURE PRESSURE AND PRESSURE TRANSMISSION  
*Kim, K-J, Jurnalov, CD; Webb, MJ; Lightner, DJ; Lee, RA*
- 4:06 62 CORRELATION BETWEEN URETHRAL STRUCTURE AND FUNCTION IN CONTINENT NULLIPARAS  
*Howard, D; DeLancey, JOL; Tunn, R; Ashton-Miller, JA; Strohbehn, K*
- 4:14 63 QUANTIFICATION OF CIRCULAR AND LONGITUDINAL SMOOTH MUSCLE IN THE DORSAL WALL OF THE FEMALE URETHRA  
*Pandit, M; DeLancey, JOL; Iyengar, J; Ashton-Miller, J; Blaiwas, M*
- 4:22 64 EXTRACTION OF CELLULAR GENETIC MATERIAL FROM HUMAN FASCIA LATA ALLOGRAFTS  
*Rackley, R; Serels, S; Appell, R*
- 4:30 65 CADAVERIC ALLOGRAFT STRENGTH: AN ASSESSMENT OF THE EFFECTS OF PRESERVATION TECHNIQUES AND THE METHODS OF SUTURE FIXATION USING TWO SEPARATE EXPERIMENTAL MODELS  
*Sutaria, PM; Staskin, DR*
- 4:38 66 ASSESSMENT OF PELVIC FLOOR FUNCTION IN WOMEN WITH GSI: A COMPARISON BETWEEN ULTRASOUND, DIGITAL EXAMINATION AND PERINEOMETRY  
*Hexall, A; Bidmead, J; Cardozo, L; Boos, K; Mantle, J*
- 4:46 67 PELVIC FLOOR CONNECTIVE TISSUE MECHANICAL PROPERTIES: IS THERE AN ASSOCIATION WITH PELVIC FLOOR ORGAN PROLAPSE?  
*Jurnalov, CD; Kim, K-J; Webb, MJ; An, K-N*
- 4:54 68 DOES UTEROVAGINAL PROLAPSE CAUSE VOIDING DYSFUNCTION?  
*Manning, J; Korda, A; Bennes, C*
- 5:02 69 FOLLOW-UP OF WOMEN STUDIED WITH ANAL ENDOSONOGRAPHY AFTER THEIR FIRST DELIVERY; THE EFFECT OF SUBSEQUENT DELIVERIES ON ANAL CONTINENCE  
*Faltin, D; Sangalli, M; Roche, B; Floris, L, Weil, A*
- 5:10 70 POSTERIOR COLPORRHAPHY IS SUPERIOR TO THE TRANSANAL REPAIR FOR TREATMENT OF POSTERIOR VAGINAL WALL PROLAPSE  
*Kahn, MA; Stanton, SL; Kumar, D; Fox, SD*
- 5:18 71 JOINT MOBILITY - IS IT A MARKER FOR STRESS INCONTINENCE?  
*Chaliha, C; Kalia, V; Sultan, A; Monga, AK; Stanton, SL*
- 5:26 72 PELVIC MORPHO-TOPOGRAPHY AND PATHOGENESIS OF GENITAL PROLAPSE  
*Lazarevski, MB*

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**3:30–5:30 ICS Poster Session 2 (Session 9)  
Pharmacological Investigations of Urinary Tract Function**

**3:30–3:50 View Posters**

- 3:50 73 RESPONSES TO CARBACHOL BUT NOT NEUROKININ A ARE ENHANCED IN DETRUSOR MUSCLE FROM CHILDREN WITH RECURRENT URINARY TRACT INFECTION  
*Lam, DSH; Werkstrom, V; Moore, KH; Awad, N; Farnsworth, R; Burcher, E*
- 3:58 74 SHORT-TERM EFFICACY AND SAFETY OF TEMIVERINE IN THE TREATMENT OF BLADDER OVERACTIVITY-A RANDOMIZED CLINICAL TRIAL IN ADULT MEN AND WOMEN  
*Tammela, TLJ; Mattiasson, A; Chapple, CR; Møller, B; Bakke, A; Happonen, P*
- 4:06 75 THE EFFECT OF NITRIC OXIDE ON ACETYLCHOLINE RELEASE IN FEMALE RABBIT BLADDER  
*Miyamoto, Y; Yoshida, M; Inadome, A; Yono, M; Seshita, H; Ueda, S*
- 4:14 76 NITRIC OXIDE REGULATES RABBIT BLADDER BLOOD FLOW AND MICROCIRCULATION RESISTANCE  
*Kozlowski, R; Siroky, MB; Krane, RJ; Azadzo, KM*
- 4:22 77 SENSORY MECHANISMS IN THE URINARY BLADDER: ADAPTATION TO CHANGES IN URINARY SODIUM CONCENTRATION  
*Elneil, S; Burtin, TJ; Ingham, DJ; Skepper, JN; Ferguson, DR*
- 4:30 78 THE DISTRIBUTION OF P2X<sub>1</sub> AND P2X<sub>3</sub> RECEPTORS IN THE RAT AND HUMAN URINARY BLADDER  
*Elneil, S; Skepper, JN; Kidd, EJ; Williamson, JG; Ferguson, DR*
- 4:38 79 EVALUATION OF THE SITE OF ACTION OF PROSTANOIDS IN THE MICTURITION REFLEX PATHWAY OF THE RAT  
*Watson, N; Shetty, SG; Cefalu, JS; Eglen, RM; Daniels, DVD; Hegde, SS*
- 4:46 80 BLADDER INSTABILITIES AND ADRENERGIC SUPERSENSITIVITY OF DETRUSOR SMOOTH MUSCLE IN FEMALE AGED RATS  
*Martin, D; Grandadam, F; Palea, S; Corman, B; Lluel, P*
- 4:54 81 ROLE OF DOPAMINE D2 RECEPTORS FOR MICTURITION AND MPTP (N-methyl-4-phenyl-1,2,3,6-tetrahydropyridine)-INDUCED BLADDER HYPERACTIVITY IN CONSCIOUS RATS  
*Seki, S; Igawa, Y; Kaidoh, K; Ishizuka, O; Nishizawa, O; Andersson, K-E*
- 5:02 82 THE EFFECT OF A NOVEL PYRROLE DERIVATIVE POTASSIUM CHANNEL OPENER, NS-8 ON THE HUMAN BLADDER  
*Seshita, H; Yoshida, M; Inadome, A; Yono, M; Miyamoto, Y; Ueda, S*
- 5:10 83 EFFECT OF TETRAETHYLAMMONIUM CHLORIDE ON ISOLATED HUMAN DETRUSOR SMOOTH MUSCLE STRIP RESPONSES TO CARBACHOL AND ELECTRICAL STIMULATION  
*McCoy, R; McMurray, G; Drake, MJ; Brading, AF*
- 5:18 84 AGE-RELATED CHANGES IN ACETYLCHOLINE AND ADENOSINE TRIPHOSPHATE RELEASES FROM HUMAN BLADDER SMOOTH MUSCLE  
*Yoshida, M; Inadome, A; Yono, M; Seshita, H; Miyamoto, Y; Ueda, S*

## Thursday, August 26, 1999

- 8:30–10:00 am ICS Plenary Session 2 (Session 10)  
Chemically Sensitive Sites for Control of Detrusor Function**
- 8:30 85 VOLTAGE GATED POTASSIUM CHANNELS IN DETRUSOR MUSCLE  
*Davies, AM; Jones, WD; Eardley, I; Beech, DJ*
- 8:45 86 CHARACTERIZATION OF THE MUSCARINIC CHOLINOCEPTOR-MEDIATED INHIBITION OF ADENYLYL CYCLASE IN PRIMARY CULTURED HUMAN BLADDER SMOOTH MUSCLE CELLS  
*Daniels, DV; Meloy, TD; Loury, DN; Watson, N; Hegde, SS; Eglén, RM; Ford APDW*
- 9:00 87 THE EFFECT OF CHRONIC IN VIVO ATROPINE TREATMENT ON URINARY BLADDER FUNCTION IN THE GUINEA-PIG  
*McMurray, G; Asprey, C; Brading, AF*
- 9:15 88 CENTRAL MUSCARINIC MECHANISMS REGULATING VOIDING IN RATS  
*Ishiura, Y; Yokoyama, O; Namiki, M; Chancellor, MB; de Groat, WC*
- 9:30 89 FUNCTIONAL ROLE OF (3-ADRENOCEPTORS IN NEUROGENIC HUMAN DETRUSORS  
*Igawa, Y; Yamazaki, Y; Takeda, H; Kaido, K; Akahane, S; Akahane, M; Ajisawa, Y; Yoneyama, T; Nishizawa, O; Andersson, K-E*
- 9:45 90 INCREASED UPREGULATION OF BRADYKININ RESPONSE IN SMOOTH MUSCLE FROM URINARY BLADDER WITH INFRAVESICAL OUTLET OBSTRUCTION  
*Uvelius, B; Sjuve, R; Boels; PJ; Arner, A*
- 10:00 91 THE EFFECT OF NITRIC OXIDE IN ISCHEMIA-REPERFUSION RAT BLADDER  
*Saito, M; Miyagawa, I*
- 10:15–10:45 Coffee Break**
- 10:45–11:30 State of the Art**
- 11:30–12:30 ICS AGM**
- 12:30–1:30 Lunch and View Posters**
- 1:30–3:00 ICS Poster Session 3 (Session 11)  
Clinical Urodynamics**
- 1:30 92 VALSALVA AND COUGH URETHRAL PRESSURES: INTERCHANGEABLE OR COMPARABLE?  
*Khullar, V; Salvatore, S; Cardozo, L; Anders, K; Bidmead, J; Digesu, A; Clifford, K*
- 1:38 93 A COMPARISON OF MICROTIP AND FIBEROPTIC TRANSDUCERS FOR URETHRAL PRESSURE PROFILOMETRY AND LEAK POINT PRESSURE ASSESSMENT  
*Culligan, PJ; Koduri, S; Blackhurst, DW; Sand, PK*

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- 1:46 94 THE EFFECT OF VOLUNTARY PELVIC FLOOR CONTRACTION AND RELAXATION ON THE URETHRAL CLOSURE PRESSURE  
*Baessler, K; Miska, K; Draths, R; Schuessler, B*
- 1:54 95 AGE-RELATED INCREASE OF THE CONNECTIVE TISSUE IN THE ANTERIOR FIBROMUSCULAR STROMA OF THE PROSTATE  
*Iwata, T; Ukimura, O; Kojima, M; Ozawa, H; Kawata, M; Miki, T*
- 2:02 96 URODYNAMICS: AN UNRELIABLE WITNESS?  
*Thakar, R; Manyonda, I; Stanton, SL*
- 2:10 97 THE AVAILABILITY AND UTILISATION OF URODYNAMIC INVESTIGATIONS BY GYNAECOLOGISTS FOR FEMALE URINARY INCONTINENCE  
*Duggan, PM; Wilson, PD; Brown, ADG; Drutz, H; Norton, P; Herbison, P*
- 2:18 98 HORMONAL INFLUENCES ON THE HUMAN FEMALE LOWER URINARY TRACT: A PROSPECTIVE EVALUATION OF THE EFFECTS OF THE MENSTRUAL CYCLE ON SYMPTOMATOLOGY AND THE RESULTS OF URODYNAMIC INVESTIGATION  
*Hextall, A; Bidmead, J; Cardozo, L; Hooper, R*
- 2:26 99A URODYNAMIC QUALITY CONTROL: QUANTATIVE PLAUSIBILITY CONTROL WITH TYPICAL VALUE RANGES  
*Liao, L; Kirschner-Hermanns, R; Schäfer, W*
- 99B URODYNAMIC QUALITY CONTROL: QUALITATIVE PLAUSIBILITY CONTROL WITH TYPICAL SIGNAL PATTERNS  
*Schäfer, W; Liao, L; Kirschner-Hermanns, R; Jakse, G*
- 2:34 100 THE VOLUME DEPENDENCE OF MAXIMUM FLOW RATES REVISITED  
*van Mastrigt, R*
- 2:42 101 THE ROLE OF URODYNAMICS FOR MEN WITH PERSISTENTLY INADEQUATE UROFLOW VOLUMES  
*Chin, CM; Lim, PHC*
- 2:50 102 THE REPEATABILITY OF THE STANDARD ONE HOUR PAD TEST USING SIMILAR “NATURAL FILL” BLADDER VOLUMES  
*Simons, A; Cragg, S; Moore, KH*
- 2:58 103 HOW DOES THE TVT PRODUCE CONTINENCE? A COMPARISON OF BLADDER NECK ELEVATION AND MOBILITY AFTER TVT AND COLPOSUSPENSION  
*Atherton, MJ; Stanton, SL*

**1:30–3:00 ICS Poster Session 4 (Session 12)  
Treatment of Urge and Urge Incontinence**

- 1:30 104 DOES THE AMOUNT AND TYPE OF FLUID INTAKE EFFECT URINARY SYMPTOMS IN WOMEN?  
*Switbank, LV; Rogers, CA; Yang, Q; Shepherd, AM; Abrams, P*
- 1:38 105 SPONTANEOUS CONTRACTILITY, ATROPINE RESISTANCE AND RESPONSE TO THE TACHYKININ ANTAGONIST SR48968 IN IDIOPATHIC DETRUSOR INSTABILITY  
*Moore, KH; Lam, DSM; Lynch, W; Burcher, E*

- 1:46 106 EFFECT OF KETOCONAZOLE ON THE PHARMACOKINETICS OF OXYBUTYNIN: COMPARISON BETWEEN AN EXTENDED RELEASE OXYBUTYNIN AND CONVENTIONAL AND CONVENTIONAL OXYBUTYNIN  
*Chancellor, MB; Sathyan, G; Gupta, SK*
- 1:54 107 PLACEBO-CONTROLLED, RANDOMISED, DOUBLE-BLIND, MULTICENTRE CLINICAL TRIAL ON THE EFFICACY AND TOLERABILITY OF 1 × 40 mg AND 2 × 40 mg TROSPIUM CHLORIDE (SPASMO-LYT) DAILY FOR 3 WEEKS IN PATIENTS WITH URGE-SYNDROME  
*Jünemann, K-P; Füsgen, I*
- 2:02 108 COMPARISON OF URGE INCONTINENCE TREATMENTS  
*Appell, R; Anderson, RU; Gittelman, M; Kaufman, J; Mobley, D; Saltzstein, D; for the Ditropan® XL Study Group*
- 2:10 109 EFFECT OF SACRAL NEUROMODULATION ON PATIENTS WITH URGE/FREQUENCY  
*Hassouna MM; the Sacral Nerve Stimulation Study Group*
- 2:18 110A SACRAL NERVE STIMULATION FOR REFRACTORY URGE INCONTINENCE: PATIENT OUTCOMES AND QUALITY OF LIFE  
*Siegel, S; Chancellor, M; Dijkema, H; Elhilali, M; Gajewski, M; Hassouna, R*
- 110B IMPROVEMENT IN QUALITY OF LIFE: SACRAL NERVE STIMULATION FOR URINARY URGENCY-FREQUENCY  
*Siegel, S; Catanzaro, F; Dijkema, H; Fall, M; Gajewski, J; Hassouna, M; Janknegt, R; Jonas, U; Lycklama à Njehholt, AAB; Oleson, K; Schmidt, R; van Kerrebroeck, PEV*
- 2:26 111 QUALITY OF LIFE IMPROVEMENT DURING CHRONIC NEUROMODULATION OF SACRAL ROOTS: A PROSPECTIVE STUDY WITH AN INCONTINENCE DOMAIN SPECIFIC INSTRUMENT (QOL-I)  
*Cappellano, F; Bertapelle, P; Spinelli, M; Cantazaro, F; Carone, R; Zanollo, A; Simeone, C; Cosciani, S; Giardiello, G; de Seta, F*
- 2:34 112 NONINVASIVE ANTIDROMIC SACRAL NEUROSTIMULATION TO ENHANCE BLADDER STORAGE.  
*Walsh, IK; Keane, PF; Johnston, PF; Loughridge, WG*
- 2:42 113 PERCUTANEOUS PERIPHERAL NERVE STIMULATION FOR URGENCY/FREQUENCY SYNDROME  
*Litwiller, SE; Govier, FE; Kreder, K Jr; Nitti, V; Rosenblatt, P*
- 2:50 114 FLEXIBLE DOSE STUDY WITH TOLTERODINE IN PATIENTS WITH OVERACTIVE BLADDER CONFIRMS EFFICACY AND SAFETY OF TOLTERODINE (DETROL)  
*Mitcheson, HD; Chancellor, MB; Zadra, J; Diokno, AC; Tolterodine Study Group*
- 2:58 115 LONG TERM FOLLOW-UP OF PATIENTS WITH MIXED INCONTINENCE  
*Salvatore, S; Soligo, M; Khullar, V; Monti, C; Lalia, M; Cordozo, L*

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**1:30–2:15 ICS Poster Session 5 (Session 13)  
Aging**

- 1:30 116A MECHANISMS OF NOCTURIA IN OLDER ADULTS: POSTAL SURVEY RESULTS  
*Umlauf, M; Burgio, K; Bliwise, D; Pillion, D; Goode, P; Kurutzer, E*
- 116B MECHANISMS OF NOCTURIA IN OLDER ADULTS: PRELIMINARY RESULTS OF CLINICAL INTERVIEWS  
*Umlauf, M; Burgio, K; Bliwise, D; Pillion, D; Goode, P; Kurtzer, E*
- 1:38 117 DOES NIGHTTIME INCONTINENCE DISRUPT SLEEP IN GERIATRIC PATIENTS?  
*Ouslander, J; Adelman, C; Khan, N; Schnelle, J; Bliwise, D*
- 1:46 118 AGE CHANGES IN SYMPTOMS AND FILLING AND VOIDING PARAMETERS IN MALES  
*Millard, RJ; Ellis, MS; Chin, P; Vollmer-Conna, U*
- 1:54 119 AGE AND THE MEASUREMENT OF OUTCOME OF TREATMENT OF THE OVERACTIVE BLADDER  
*Wagg, A; Cumming, K; Malone-Lee, JG*
- 2:02 120 THE IMPACT OF URINARY INCONTINENCE AND CHANGING CONTINENCE STATUS ON QUALITY OF LIFE IN NURSING HOME RESIDENTS  
*DuBeau, CE; Simon, S; Morris, JN*
- 2:10 121 DO THE VERY FRAIL, OLDEST OLD BENEFIT FROM ACTIVE MANAGEMENT OF URINARY INCONTINENCE?  
*Gautam, PC; Jamieson, AD; Donald, S*

**2:15–3:00 ICS Poster Session 6 (Session 14)  
The Outflow Tract: Clinical and Basic Science**

- 2:15 122A FUNCTIONAL IMPORTANCE OF SUPRASPINAL (1 ADRENERGIC RECEPTORS FOR MICTURITION IN CONSCIOUS RATS WITH AND WITHOUT BLADDER OUTLET OBSTRUCTION  
*Ishizuka, O; Gu, B-J; Igawa, Y; Nishizawa, O; Andersson, K-E*
- 122B ROLES OF CENTRAL TACHYKININ RECEPTORS FOR MICTURITION IN CONSCIOUS RATS WITH AND WITHOUT BLADDER OUTLET OBSTRUCTION  
*Ishizuka, O; Gu, B-J; Igawa, Y; Nishizawa, O; Andersson, K-E*
- 2:23 123 THE FUNCTIONAL EFFECT OF COLLAGEN CHANGE INDUCED BY INTERFERON GAMMA ON OBSTRUCTED RAT URINARY BLADDER: PASSIVE PROPERTY AND CONTRACTILITY  
*Lee, KS; Oh, W; Bae, EK; Kang, TM; Oh, SJ; Kim, KM*
- 2:31 124 THE SIGNIFICANCE OF LOW URETHRAL BLOOD FLOW IN RECURRENT INCONTINENCE IN PATIENTS WITH A LONG-STANDING ARTIFICIAL URINARY SPHINCTER  
*Garcia Montes, F; Knight, SL; Mundy, AR; Craggs, MD*
- 2:39 125 THREE-DIMENSIONAL TRANSRECTAL AND TRANSURETHRAL ULTRASOUND OF THE MALE RHABDOSPHINCTER  
*Strasser, H; Frauscher, F; Helweg, G; Stenzl, A; Bartsch, G*

- 2:47 126 FILLING MECHANICS OF OBSTRUCTED AND DE-OBSTRUCTED RAT URINARY BLADDERS  
*Damaser, MS; Brzezinski, K; Longhurst, PA*
- 2:55 127 ULTRASOUND ESTIMATED BLADDER WALL VOLUME: VARIABILITY AND RELATION TO INTRAVESICAL VOLUME  
*Kirchin VS, Cuming T, Beard RC, Thomas PJ,*
- 3:00–3:30 Coffee Break**
- 3:30–5:00 ICS Plenary Session 3 (Session 15)  
Neurourology**
- 3:30 128 A PROSPECTIVE CONTROLLED STUDY OF URINARY SYMPTOMS IN WOMEN WITH SEVERE ANOREXIA NERVOSA  
*Hextall, A; Majid, S; Cardozo, L; Boos, K; Hooper, R; Treasure, J*
- 3:45 129 PROSPECTIVE EVALUATION OF CLINICAL CHANGES ASSOCIATED WITH METHOD OF BLADDER MANAGEMENT IN VERY LONG TERM SPINAL CORD INJURY  
*Drake, MJ; Wyatt, G; McMurray, G; Noble, JG; Brading, AF*
- 4:00 130 BOTULINUM A-TOXIN IN THE TREATMENT OF DETRUSOR HYPERREFLEXIA IN SPINAL CORD INJURED PATIENTS: A NEW ALTERNATIVE TO MEDICAL AND SURGICAL PROCEDURES?  
*Stöhrer, M; Schurch, B; Kramer, G; Schmid, D; Gaul, G; Hauri, D*
- 4:15 131 COMPARISON OF THE EFFECTS OF INTRAVESICAL CAPSAICIN AND RESINIFERATOXIN FOR TREATMENT OF DETRUSOR HYPERREFLEXIA IN PATIENTS WITH SPINAL CORD INJURY  
*Park, BJ; Kim, DY; Oh, DJ; Lim, YS; Shim, HB*
- 4:30 132 WHAT DOES NEUROMODULATION DO FOR THE SENSATIONS OF URINARY URGE AND URGENCY?  
*Oliver, SE; Susser, J; Knight, SL; Fowler, CJ ; Mundy, AR; Craggs, MD*
- 4:45 133 NEUROLOGICAL FEATURES AND UROLOGICAL DYSFUNCTION IN SURVIVORS FROM PROLONGED COMA  
*Giannantoni, A; Formisano, R; Scivoletto, G; Di Stasi, SM; Silecchia, A; Finazzi Agrò, E; Penta, F; Vinieola, V*
- 5:00 Closing**