

Basic Science Poster Session II

Poster# BS19

LIPOSOMES FACILITATE EFFICIENT BLADDER UPTAKE OF ANTISENSE OLIGONUCLEOTIDES

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(Presented by: Vikas Tyagi)

Poster# BS20

INJECTION OF BOTULINUM TOXIN TYPE A AS A THERAPEUTIC OPTION FOR BLADDER PRESERVATION IN PATIENTS WITH SEVERE NEUROGENIC DETRUSOR OVERACTIVITY

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(Presented by: Taisha Williams)

Poster# BS21

ELECTRICAL STIMULATION OF THE URETHRA EVOKES BLADDER CONTRACTION AND EMPTYING IN MEN WITH SPINAL CORD INJURY

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(Presented by: Michael Kennelly)

Poster# BS22

COLLAGEN INGROWTH ASSESSMENT: SYNTHETIC AND ALLOGRAFT/XENOGRAFT IN A TWO-SITE ANIMAL MODEL

Dobie Giles, MD¹, Mohamed Akl, MD², Wesley Hilger, MD³, Qingshan Chen⁴, Qing Wu⁵, Leslie Kevin, MD⁶ and Cornella Jeffrey, MD⁷

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(Presented by: Dobie Giles)

Poster# BS23

STEM CELL HOMING CYTOKINE UPREGULATION IN LOXL1 KNOCKOUT MICE AFTER VAGINAL DISTENSION

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(Presented by: Una Lee)

Poster# BS24

THE EFFECT OF AGING, PARITY, AND HORMONE REPLACEMENT STATUS ON THE BIOMECHANICAL PROPERTIES OF VAGINAL TISSUE IN WOMEN WITH PELVIC ORGAN PROLAPSE

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(Presented by: Una Lee)

Poster# BS25

EFFECTS OF ELECTRICAL STIMULATION OF THE PUDENDAL NERVE ON EXPRESSION OF NEUROTROPHINS IN ONUF'S NUCLEUS FOLLOWING SIMULATED CHILDBIRTH INJURY

Hai-Hong Jiang, MD, PhD, Bradley Gill, BS, Levilester Salcedo, MD, Paul Zaszczurynski, BS, Brian Balog, BS, Dan Li Lin, MD and Margot Damaser, PhD

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(Presented by: Hai-Hong Jiang)

Poster# BS26

EFFECTS OF NEUROTROPHIN SUPPLEMENTATION ON FUNCTIONAL RECOVERY OF THE PUDENDAL NERVE FOLLOWING SIMULATED CHILDBIRTH INJURY: PRELIMINARY RESULTS

Bradley C. Gill, BSE, Hai-Hong Jiang, MD, PhD, Brian M. Balog, BS, Amy S. Nowacki, PhD and Margot S. Damaser, PhD

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(Presented by: Bradley C. Gill)

Poster# BS27

MMP-1 PROMOTER VARIANT IS ASSOCIATED WITH STRESS URINARY INCONTINENCE AND PELVIC ORGAN PROLAPSE

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(Presented by: Patrick McKenzie)

Poster# BS28

IMPACT OF AGING ON DEGREE OF INJURY AND RECOVERY TO BLADDER FUNCTION, AND EXPRESSION OF STEM CELL HOMING CHEMOKINE IN RAT MODEL OF SIMULATED BIRTH TRAUMA

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(Presented by: Nicholas Boncher)

Poster# BS29

OPPOSITE EFFECTS OF TYPE 1 DIABETES MELLITUS ON BLADDER AND URETHRAL SMOOTH MUSCLE STRIPS

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(Presented by: Matthew O. Fraser)

Poster# BS30

EXPRESSION OF MONOCYTE CHEMOTACTIC PROTEIN-3 FOLLOWING SIMULATED BIRTH TRAUMA IN MOUSE MODEL OF OBESITY

Nicholas Boncher, MD, Gino Vricella, MD, Mingfang Tao, MD, Guiming Liu, PhD, Michael Kavran, MS, Firouz Daneshgari, MD and Adonis Hijaz, MD

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(Presented by: Gino Vricella)

Poster# BS31

DIFFERENTIAL RESPONSE OF STEM CELL HOMING CHEMOKINE AMONG MODELS OF STRESS URINARY INCONTINENCE IN MICE

Adonis Hijaz, MD¹, Jack Cheng-Tsung Hou, MD², Mingfang Tao, MD¹, Lauren N. Byrne, MD³, Guiming Liu, MD, PhD¹, Yi-Hao Lin, MD¹, Michael Kavran, MS¹ and Firouz Daneshgari, MD¹

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(Presented by: Lauren N. Byrne)

Poster# BS32

LONG TERM DURABILITY OF POLYDIMETHYLSILOXANE INJECTABLE BULKING AGENT (MACROPLASTIQUE®) IN URETHRAL TISSUES: ANIMAL STUDY HISTOPATHOLOGY

William Wustenberg, DVM

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(Presented by: William Wustenberg)

Poster# BS33

EXTERNAL URETHRAL SPHINCTER ELECTROMYOGRAPHY AFTER SIMULATED CHILDBIRTH INJURY WITH RECOVERED LEAK POINT PRESSURE

Hai-Hong Jiang, MD, PhD, Jessica Clemons, Brian Balog, BS, and Margot Damaser, PhD

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(Presented by: Hai-Hong Jiang)

Poster# BS34

CAN MODELIZED ANALYSIS OF PRESSURE-FLOW STUDIES IMPROVE THE KNOWLEDGE OF THE NERVOUS CONTROL OF BOTH BLADDER AND URETHRA?

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(Presented by: Françoise Valentini)

Poster# BS35

URINE STORAGE IN THE RAT IS AN ACTIVE RATHER THAN PASSIVE PROCESS

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(Presented by: Matthew O. Fraser)