

## **PUBLICATIONS & RESEARCH EXPERIENCE**

**James P. Theofrastous, MD**

### **Scientific Publications**

Howland JL, Osrin D, Donatelli M, Theofrastous JP. Inhibition of erythrocyte membrane NADH dehydrogenase by nucleotides and uncouplers. *Biochimica et Biophysica Acta* 778(3):400-404, 1984.

Howland JL, Daugherty JW, Donatelli M, Theofrastous JP. Inhibition of the erythrocyte calcium-sensitive potassium channel by probucol. *Pharmacology Research Communication* 16(11):1057-1064, 1984

Theofrastous JP. Pelvic organ prolapse: Relationship to pelvic floor dysfunction. *Postgraduate Obstetrics & Gynecology* 1994;14/15

Bump RC, Elser DM, Theofrastous JP, McClish DK. Valsalva leak point pressures in women with genuine stress incontinence: Reproducibility, effect of catheter caliber, and correlations with other measures of urethral resistance. *Am J Obstet Gynecol* 1995;173:551-7

Theofrastous JP, Bump RC. Periurethral collagen injections for the treatment of urinary incontinence due to intrinsic urethral sphincteric deficiency. *Postgraduate Obstetrics & Gynecology* 1995;15(3):1-7

Theofrastous JP, Bump RC, Elser DM, Wyman JF, McClish DK. Correlation of Valsalva leak point pressures and urethral pressure profilometry variables with measures of incontinence severity in women with pure genuine stress incontinence. *Am J Obstet Gynecol*; 1995;173:407-14

Theofrastous JP, Cundiff GW, Haris RL, Bump RC. The Effect of Vesical Volume on Valsalva Leak Point Pressures in Women with Genuine Stress Urinary Incontinence. *Neurourol Urodynam* 1995;14:409-10

Bump RC, Hurt WG, Elser DM, Theofrastous JP, Fantl JA, McClish DK. Cough pressure transmission ratios predict lower urinary tract function in women soon after surgery for genuine stress incontinence or severe pelvic organ prolapse. *Neurourol Urodynam* 1995;14:431-2

Bump RC, Hurt WG, Elser DM, Theofrastous JP, Fantl JA, McClish DK. Reliability of Intra-operative anatomic, endoscopic, and urodynamic measurements and their correlation with post-operative pressure transmissions in women undergoing bladder neck suspension surgery. *Neurourol Urodynam* 1995;14:490-1

Theofrastous JP, Cundiff GW, Harris RL, Bump RC. The effect of vesical volume on Valsalva leak point pressures in women with genuine stress urinary incontinence. *Obstet Gynecol* 1996;87:711-14

Hall AF, Theofrastous JP, Cundiff GW, Harris RL, Hamilton L, Swift S, Bump RC. Inter- and intra-observer reliability of the proposed ICS/SGS/AUGS pelvic organ prolapse classification system. *Am J Obstet Gynecol* 1996;175:1467-71. (Second Prize Presidential Resident/Fellow Paper, presented 3/6/96 Society of Gynecologic Surgeons 22nd Scientific Meeting, Albuquerque, New Mexico).

Bump RC, Hurt WG, Theofrastous JP, Addison WA, Fantl JA, Wyman JF, McClish DK, and the Continence Program for Women. Randomized prospective comparison of needle colposuspension versus endopelvic fascia plication for potential stress incontinence prophylaxis in women undergoing vaginal reconstruction for stage III or IV pelvic organ prolapse. *Am J Obstet Gynecol* 1996;175:326-35

Fantl JA, Newman DK, Colling J, et al. *Managing Acute and Chronic Urinary Incontinence*. Clinical Practice Guideline. No. 2 1996 Update. Rockville, MD: U.S. Department of Health and Human Services, Public Health Service, Agency for Health Care Policy and Research. AHCPR Pub. No. 96-0686. March 1996. Statistical consultant.

Theofrastous, MD, Addison WA, Timmons MC. Voiding function in postmenopausal women following surgery for pelvic organ prolapse. *J Reprod Med* 1996;12:881-4

Harris RL, Cundiff GW, Theofrastous JP, Bump RC. Bladder compliance in neurologically intact women. *Neurourol Urodynam* 1996;15:483-8

Harris RL, Cundiff GW, Theofrastous JP, Bump RC. Pressure transmission ratio reproducibility in stress continent and stress incontinent women. *Neurourol Urodynam* 1997;16:161-66

Theofrastous JP, Wyman JF, Bump RC, McClish DK, Elser DM, Robinson D, Fantl JA, and the Continence Program for Women Research Group. The relationship between urethral and vaginal pressures during pelvic muscle contraction. *Neurourol Urodynam* 1997;16:553-8.

Evins GG, Theofrastous JP. Postpartum depression: a review of postpartum screening. *Primary Care Update for OB/GYNs* 1997;4:241-6

Cundiff GW, Harris RL, Theofrastous JP, Bump RC. Pressure transmission ratio reproducibility in stress continent and stress incontinent women. *Neurourol Urodyn* 1997;16(3):161-166

Theofrastous JP, Swift SE. The clinical evaluation of pelvic floor dysfunction. *Obstet Gynecol Clin N America* 1998;25:783-804

Bump RC, Hurt WG, Elser DM, Theofrastous JP, Addison WA, Fantl JA, McClish DK. Understanding lower urinary tract function in women soon after bladder neck surgery. *Neurourol Urodyn* 1999;18(6):629-37

Theofrastous JP, "The Neurophysiology of Pelvic Floor Dysfunction" in Lentz GM, editor Urogynecology (Arnold, London 2000) pp 64-84

Evins GG, Theofrastous JP, Galvin SL. Postpartum depression: a comparison of screening and routine clinical evaluation. *Am J Obstet Gynecol* 2000;182:1080-2

Theofrastous JP, Wyman JF, Bump RC, McClish DK, Elser DM, Bland DR, Fantl JA, and the Continence Program for Women Research Group. Effects of pelvic floor muscle training on strength and predictors of response in the treatment of urinary incontinence. *Neurourol Urodyn* 2002;21(5):486-90

Theofrastous JP, Cobb DL, VanDyke AH. A Randomized trial of suprapubic versus transurethral bladder drainage after open Burch retropubic urethropexy. *J Pelvic Surgery* 2002;8:72-7

Theofrastous JP, Simpkins K. Urinary retention and intravesical hemorrhage following urethral collagen injections in women using warfarin. *Int Urogynecol J Pelvic Floor Dysfunct* 2002;13:268-9.

Theofrastous JP, Swift JE. Urodynamic Testing in Bent AE, Ostergard DO, Cundiff GC, Swift SE editors Urogynecology 5<sup>th</sup> edition, (Lippincott Williams & Wilkins, Philadelphia 2003) pp 115-39

Swift JE, Theofrastous JP. "The Clinical Evaluation of Pelvic Organ Prolapse" in Staskin D, Cardozo L, editors Evaluation and Management of Urinary Incontinence and Prolapse 2003

Harkness CB, Theofrastous JP, Ibrahim SN, Galvin SL, Lawrence HC. A Comparison of Papanicolaou and Thin-layer Cervical Cytology with Colposcopic Biopsy Control. *J Reprod Med* 2003;48:681-6

Luck AM, Galvin SL, Theofrastous JP. Suture erosion & wound dehiscence with permanent versus absorbable suture in posterior vaginal surgery. *J Pelvic Medicine & Surgery* 2004;10:S14

Ross BE, Pirkle AH, Van Dyke AH, Lawrence HC, Galvin SL, Theofrastous JP. A randomized double-blinded study of the use of vasopressin at vaginal hysterectomy. *J Pelvic Medicine & Surgery* 2004;10:S26

McLennan MT, Theofrastous JP, Melick CF. Randomized trial of cefazolin prophylaxis for open Burch retropubic urethropexy. *J Pelvic Medicine & Surgery* 2004;10:239-44

Luck AM, Galvin SL, Theofrastous JP. Suture erosion & wound dehiscence with permanent versus absorbable suture in reconstructive posterior vaginal surgery. *Am J Obstet Gynecol* 2005;192:1626-9

***As a member of the Continence Program in Women Research Group:***

Shumaker SA, Wyman JF, Uebersax JS, McClish D, Fantl JA for the Continence Program In Women Research Group. Health-related quality of life measures for women with urinary incontinence the Incontinence Impact Questionnaire and the Urogenital Distress Inventory. *Quality of Life Res* 1994;3:291-306

Uebersax JS, Wyman JF, Shumaker SA, McClish DK, Fantl JA, and the Continence Program for Women Research Group. Short forms to assess life quality and symptom distress for urinary incontinence in women: the incontinence impact questionnaire and the urogenital distress inventory. *Neurourol Urodynam* 1995;14:131-9

Wyman JF, Fantl JA, McClish DK, Bump RC and the Continence Program for Women Research Group. Comparative efficacy of behavioral interventions in the management of female urinary incontinence. *J Am Med Assoc* 1996

Fantl JA, Bump RC, Robinson D, McClish DK, Wyman JF and The Continence Program for Women Research Group. Efficacy of estrogen supplementation in the treatment of urinary incontinence. *Obstet Gynecol* 1996;88:745-49

Wyman JF, Fantl JA, McClish DK, Bump RC, and the Continence Program for Women Research Group. Comparative efficacy of behavioral interventions in the management of female urinary incontinence. *AM J Obstet Gynecol* 1998;179:999-1007

Elser DM, Wyman JF, McClish DK, Robinson D, Fantl JA, Bump RC and the Continence Program for Women Research Group. The effect of bladder training, pelvic floor muscle training, or combination training on urodynamic parameters in women with urinary incontinence. *Neurourol Urodyn* 1999;18:427-36

Barber MD, Visco AG, Wyman JF, Fantl JA, Bump RC, RC and the Continence Program for Women Research Group. Sexual function in women with urinary incontinence and pelvic organ prolapse. *Obstet Gynecol* 2002;99:281-9  
Theofrastous JP, Whiteside J, Paraiso MF. The utility of urodynamic testing. *J Am Assoc Gynecol Laparosc.* 2003 Nov;10(4):548-52

***As a member of the Society of Gynecologic Surgeons Systematic Review***

***Group:***

Sung VW, Rogers RG, Schaffer JI, Balk EM, Uhlig K, Lau J, Abed H, Wheeler TL 2nd, Morrill MY, Clemons JL, Rahn DD, Lukban JC, Lowenstein L, Kenton K, Young SB; Society of Gynecologic Surgeons Systematic Review Group. Graft use in transvaginal pelvic organ prolapse repair: a systematic review.

Obstet Gynecol. 2008;112:1131-42

**Scientific Presentations**

Correlation of Valsalva leak point pressures and urethral pressure profilometry variables with measures of incontinence severity in women with pure genuine stress incontinence. American Urogynecologic Society 1994 Annual Scientific Program, Toronto, Ontario

Correlation of Valsalva leak point pressures and urethral pressure profilometry variables with measures of incontinence severity in women with pure genuine stress incontinence. South Atlantic Association of Obstetricians and Gynecologists 1995 Annual Meeting, Hot Springs, VA

The Effect of Vesical Volume on Valsalva Leak Point Pressures in Women with Genuine Stress Urinary Incontinence. American Urogynecologic Society 1995 Annual Scientific Session, Seattle, WA.

The Effect of Vesical Volume on Valsalva Leak Point Pressures in Women with Genuine Stress Urinary Incontinence. International Continence 1995 Annual Scientific Session, 1995, Sydney, Australia

Clinical Predictors of Pelvic Muscle Function. American Urogynecologic Society 1996 Annual Scientific Session, New Orleans, LA

The Relationship Between Pelvic Muscle Strength and Incontinence Severity Following the Behavioral Treatment of Urinary Incontinence. American Urogynecologic Society 1997 Annual Scientific Session, Tuscon, AZ

A Randomized Trial of Suprapubic versus Transurethral Bladder Drainage Following Burch Retropubic Urethropexy. Society of Gynecologic Surgeons Annual Scientific Session 2000, New Orleans, LA

Urinary Retention Following Periurethral Collagen Injections in Women Using Anticoagulation. James P Theofrastous, MD, Kenny Simpkins, MD. American Urogynecologic Society 2000 Annual Scientific Meeting, Hilton Head, SC

A randomized double-blinded study of the use of vasopressin at vaginal hysterectomy. American Urogynecologic Society/Society of Gynecologic Surgeons 2004 Annual Scientific Session, San Diego, CA

### **Funded Research**

1993-1995 Coinvestigator: Continenence Program for Women- Randomized double-blinded study of the effects of estrogen replacement on genuine stress urinary incontinence.

1993- 1995 Coinvestigator: Continenence Program for Women- Randomized surgical study of the effects of concomitant urethropexy in women undergoing surgical correction of severe genital prolapse.

[Both studies supported by Grant UO1AG05170-06 from the national Institute on Aging 1989-94]

1995 Principal Investigator: Surgical treatment of genuine stress incontinence due to intrinsic sphincteric deficiency: A stratified randomized prospective comparison of Burch colposuspension, pubovaginal sling, and periurethral collagen injections. (Awarded the 1995 ACOG/Ethicon Award for Innovations in Gynecologic Surgery)

July 2000-2002 Principal Investigator: Pelvic Muscle Exercises Following Parturition: A Randomized Prospective Trial with Neurophysiologic and Kinesiologic Evaluation. American College of Obstetricians & Gynecologists District IV Special Projects Award

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