



Stanford UROLOGY NEWS

FALL 2007/WINTER 2008

UROLOGY FACULTY

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Robert Kessler, M.D.
Joseph C. Liao, M.D.
Benjamin I. Chung, M.D.

Infertility
Robert Kessler, M.D.

Female/NeuroUrology
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Rodney U. Anderson, M.D.
Craig V. Comiter, M.D.

Pediatric Urology
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Linda D. Shortliffe, M.D.

UroOncology
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Adult Clinic Chief
(Urologic, Radiation, Med.
Onc.)
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Harcharan S. Gill, M.D.

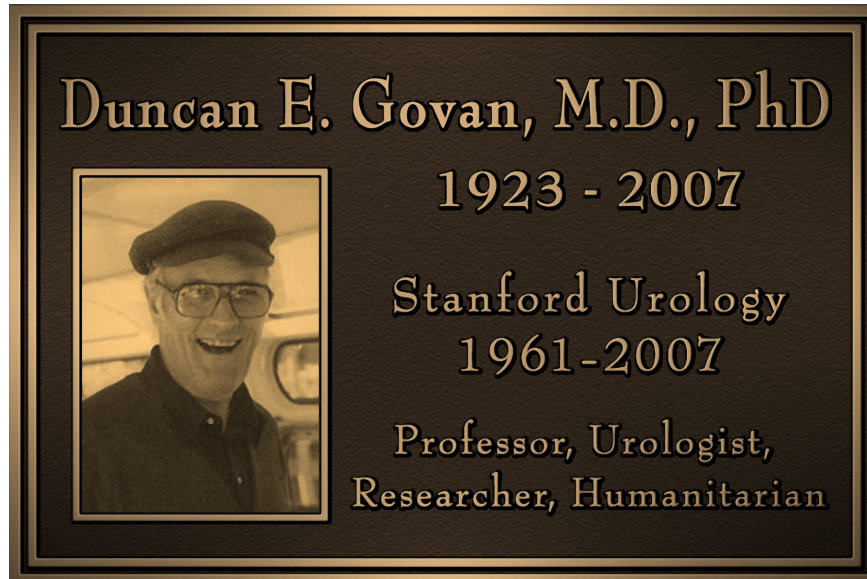
Research
Donna Peehl, PhD.
Director, Urology Labs
Christos E. Constantinou, PhD.
Thomas A. Stamey, M.D.
Zijie Sun, M.D., Ph.D.

Palo Alto Veterans Affairs
Joseph C. Liao, M.D.
Director
Fuad S. Freiha, M.D.
Benjamin I. Chung, M.D.
Inder Perakash, M.D.

Professor Emeritus
Duncan E. Govan, M.D., Ph.D.

AFFILIATED FACULTY

Santa Clara Valley Med. Cntr.
Jeffrey H. Reese, M.D.
Chief
Jennifer M. Abidari, M.D.
Daniel Rosenstein, M.D.
Rajesh Shingal, M.D.



Duncan E. Govan, M.D. 1923 - 2007

The Department of Urology mourns the loss of Duncan E. Govan, M.D. Professor Emeritus of Urology, Stanford University School of Medicine. He passed away on Friday, September 28, 2007 at his residence at the Sequoias in Portola Valley, California.

Duncan E. Govan was born in Winnipeg, Manitoba, Canada in 1923. He graduated from the University of Manitoba with his M.D. in 1948, and then spent 3 years in general surgery and one in Gynecology. While an Intern at the Winnipeg General Hospital he met Paddy Fraser, and they married. Paddy and Duncan then left for Chicago where he entered the University of Chicago urology residency (1951-54).

While in his residency, he worked concurrently on a Ph.D. program in renal physiology and ultimately received this after successfully defending his thesis on Experimental Hydronephrosis in December 1956. He passed the Canadian Fellowship examinations and became a Fellow of the Royal College in Surgeons in Canada in December 1956.

Duncan and Paddy returned to Canada in July of 1954 to enter practice in Regina, Saskatchewan and from 1958-61 worked in Vancouver with a urology group. During this time he was awarded National Research Council grant which allowed him to return to the research laboratory.

Dr. Govan joined Dr. Thomas Stamey at the new Stanford University School of Medicine in the summer of 1961. In this partnership Duncan concentrated upon pediatric urology, neurogenic bladder

Message from the Chair

Friends and
colleagues:

We are interviewing our 47th set of residents and are well into the final training year of two new Chief Residents: Steven Chang and Debby



Chao. We also welcomed our first fellow in pediatric urology and a number of new laboratory fellows. While each year has its challenges and changes, this year has more than usual. Rodney Anderson 'retired' but is still working with us, so we will not retire him yet. Grace Miyamoto, leader of our Urology operating room nursing team, retired after 31 years and is

Urology Faculty FY2007 Peer

Jennifer Abidari, MD

Abidari, JM. Effectiveness of topical steroid treatment for phimoses. *Journal of Nature Clinical Urology*, May 4(5), 246-247, 2007.

Rodney Anderson, MD

Plante MK, Marks LS, **Anderson RU**, Amling C, Rukstalis D, Badlani G, Getlin L, Vang E. Phase I/II examination of transurethral ethanol ablation of the prostate for the treatment of symptomatic benign prostatic hyperplasia. *J Urol* 177, 1030-1035, March 2007.

Banner LL, **Anderson RU.** Integrated sildenafil and cognitive-behavioral sex therapy for psychogenic erectile dysfunction: A Pilot Study. *J Sex Med* 2007; 4:1117-1125

James Brooks, MD

Zhao H, **Brooks JD.** Selenomethionine induced transcriptional programs in human prostate cancer cells. *J Urol* 177: 743-750, 2007 (featured on the journal cover).

Pflug BR, Zheng H, Udan MS, Marshall FF, **Brooks JD**, Nelson JB. Endothelin axis expression and function in renal cell carcinoma: survival through E_A receptor and frequent methylation of *EDNRB*. *Cancer Letters* 246: 139-48, 2007.

Higgins JPT, Kaygusuz K, Wang L, Montgomery K, Mason V, Presti, Jr. JC, van de Rijn M, **Brooks JD.** Placental S100 (S100P) and GATA3: markers for transitional epithelium and urothelial carcinoma discovered by complementary DNA microarray. *American Journal of Surgical Pathology* 31: 673-680, 2007.

Lapointe J, Kim Y, Miller M, Li C, Kaygusuz G, van de Rijn M, Huntsman D, **Brooks JD**, Pollack JR. Identification of a variant *TMPRSS2* isoform and *ERG* fusion product in prostate cancer. *Modern Pathology* 20: 467-473, 2007.

Li TH, Zhao H, Peng Y, Beliakoff J, **Brooks JD**, Sun Z. A promoting role of androgen receptor in androgen- sensitive and insensitive prostate cancer cells. *Nucleic Acids Research* 35: 2767-76, 2007.

Lapointe J, Li C, Giacomini CC, Salari K, Huang S, Wang P, Ferrari M, Hernandez-Boussard T, **Brooks JD**, Pollack JR. Genomic profiling reveals alternate genetic pathways of prostate tumorigenesis. *Cancer Research* 67: 8504-8510, 2007.

Holterhus PM, Deppe U, Werner R, Richter-Unruh A, Wunsch L, Krega S, Schweikert H-U, Demeter J, Riepe F, Hiort O, **Brooks JD.** Intrinsic androgen-dependent gene expression patterns revealed by comparison of genital fibroblasts from normal males and individuals with complete and partial androgen insensitivity syndrome. *BMC Genomics* 8: 376, 2007.

Christos Constantinou, PhD

Edgar AD, Levin R, **Constantinou CE**, Dennis L. A Critical Review of the Pharmacology of the Plant Extract of *Pygeum Africanum* (Tadenan®) in the Treatment of LUTS In: *Neurourology & Urodynamics* (E-pub 2/2007)

Constantinou CE, Omata S. Direction Sensitive Sensor Probe for the Evaluation of Voluntary and Reflex Pelvic Floor Contractions. In: *Neurourology & Urodynamics* (E-pub 02/2007)

Constantinou CE, Peng Q, Yoshimura Y, Omata S., Evaluation of Dynamic Responses of the Female Pelvic Floor Using Novel Vaginal Probe. In: *Reproductive Biomechanics*. *Annals of NY Academy of Science*, 2007.

Peng Q, Jones RC, Shishido K, **Constantinou CE.** Ultrasound evaluation of dynamic responses of female pelvic floor muscles. *Ultrasound in Medicine and Biology* 33(3) 342-52, 2007.

Harcharan Gill, MD

Gill H. Eggshell Bladder: Complete bladder encrustation after laser ureteroscopy and laser lithotripsy. *Urol* 69(2):382-3, Feb 2007.

Joseph Liao, MD

Breda A, Veale J, **Liao JC**, Schulam PG. Complications of laparoscopic living donor nephrectomy and their management: the UCLA experience. *Urol* 69(1): p. 49-52, 2007.

Liao JC, Mastali M, Li Y, Gau V, Suchard MA. Development of an advanced electrochemical DNA biosensor for bacterial pathogen detection. *J Mol Diagn* 9(2): p. 158-168, 2007.

Christopher Payne, MD

Payne CK, Kelleher C. Redefining response in overactive bladder syndrome. *British Journal of Urology Int.* Jan 99(1):101-6, 2007.

Zabihi N, Allee T, Maher MG, Mourtzinou A, Raz S, **Payne CK**, Rodriguez LV. Bladder Necrosis Following Hydrodistention in Patients with Interstitial Cystitis. *J Urol*, Jan 177(1):149-52; discussion 152, 2007.

Keay S, Reeder JE, Koch K, Zhang CO, Grkovic D, Peters K, Zhang Y, Kusek JW, Nyberg LM, **Payne CK**, Probert KJ. Prospective evaluation of candidate urine and cell markers in patients with interstitial cystitis enrolled in a randomized clinical trial of Bacillus Calmette Guerin (BCG). *World J Urol.* 2007 Oct 25(5):499-504. Epub 2007 Aug 13.

Probert KJ, Mayer R, Nickel JC, **Payne CK**, Peters KM, Teal V, Burks D, Kusek JW, Nyberg LM, Foster HE. Interstitial Cystitis Clinical Trials Group: Did patients with interstitial cystitis who

Reviewed Publications

failed to respond to initial treatment with bacillus Calmette-Guerin or placebo in a randomized clinical trial benefit from a second course of open label bacillus Calmette-Guerin? *J Urol*. 2007 Sep 178(3 Pt 1):886-90. Epub 2007 Jul 16.

Payne CK, Joyce GF, Wise M, Clemens JQ. Urologic Diseases in America Project: Interstitial cystitis and painful bladder syndrome. *J Urol*. 2007 Jun 177(6):2042-9.

Nickel JC, Tripp D, Teal V, Probert KJ, Burks D, Foster HE, Hanno P, Mayer R, **Payne CK**, Peters KM, Kusek JW, Nyberg LM. Interstitial Cystitis Collaborative Trials Group: Sexual function is a determinant of poor quality of life for women with treatment refractory interstitial cystitis. *J Urol*. 2007 May 177(5):1832-6.

Donna Peehl, PhD

Zhao H, Ramos CF, Brooks JD, **Peehl DM**. Distinctive gene expression of prostatic stromal cells cultured from diseased versus normal tissues. *J. Cell. Physiol*. 210:111-121, 2007.

Swami S, Krishnan AV, Moreno J, Bhattacharyya RB, **Peehl DM**, Feldman D. Calcitriol and genistein actions to inhibit the prostaglandin pathway: potential combination therapy to treat prostate cancer. *J. Nutr*. 137:205S-210S, 2007.

Kiviharju-af Hallstrom TM, Jaamaa S, Monkkonen M, Peltonen K, Andersson LC, Medema R, **Peehl DM**, Laiho M. Human prostate epithelium lacks Wee1A mediated DNA Damage-induced Checkpoint Enforcement. *Proc. Natl. Acad. Sci. (USA)* 104:7211-7216, 2007.

Krishnan AV, Moreno J, Nonn L, Malloy P, Swami S, Peng L, **Peehl DM**, Feldman D. Novel pathways that contribute to the anti-proliferative and chemopreventive effects of calcitriol in prostate cancer. *J Ster Biochem Mol Biol* 103:694-702, 2007.

Nonn L, Duong D, **Peehl DM**. Chemopreventive anti-inflammatory activities of curcumin and other phytochemicals mediated by MAP kinase phosphatase-5 in prostate cells. *Carcinogenesis* 28:1188-1196, 2007.

Krishnan AV, Swami S, Moreno J, Bhattacharyya RB, **Peehl DM**, Feldman D. Potentiation of the growth-inhibitory effects of vitamin D in prostate cancer by genistein. *Nutr Rev* 65:S121-123, 2007.

Feldman D, Krishnan A, Moreno J, Swami S, **Peehl DM**, Srinivas S. Vitamin D inhibition of the prostaglandin pathway as therapy for prostate cancer. *Nutr Rev* 65:S113-115, 2007.

Inder Perakash, MD

Perakash, I. Transurethral sphincterotomy provides significant relief in autonomic dysreflexia in spinal cord injured male patients: Long-term follow-up results. *J Urol* 177:1026-1029, 2007.

Joseph C. Presti, Jr., MD

Kane CJ, **Presti JC Jr**, Amling CL, Aronson WJ, Terris MK, Freedland SJ. Changing nature of high risk patients undergoing radical prostatectomy. *J Urol* 177:113-117, 2007.

Kang DE, Fitzsimons NJ, **Presti JC Jr**, Kane CJ, Terris MK, Aronson WJ, Amling CL, Freedland SJ. Risk stratification of men with Gleason 7-10 tumors by primary and secondary Gleason score: results from the SEARCH database. *Urology* 70: 277-282, 2007.

Sajadi KP, Terris MK, Hamilton RJ, Cullen J, Amling CL, Kane CJ, **Presti JC Jr**, Aronson WJ, Freedland SJ. Body mass index, prostate weight and transrectal ultrasound prostate volume accuracy. *J. Urol*, 178: 990-995, 2007.

Mavropoulos JC, Partin AW, Amling CL, Terris MK, Kane CJ, Aronson WJ, **Presti JC Jr**, Mangold LA, Freedland SJ. Do racial differences in prostate size explain higher serum prostate-specific antigen concentrations among black men? *Urology*, 69: 1138-1142, 2007.

Scales CD, **Presti JC Jr**, Kane CJ, Terris MK, Aronson WJ, Amling CL, Freedland SJ. Predicting unilateral prostate cancer based on biopsy features: implications for focal ablative therapy-results from the SEARCH database. *J Urol*, 178:1249-1252, 2007.

Linda D. Shortliffe, MD

Chang, S, Caruso, T, **Shortliffe, LD**. MRI detected renal volume reduction in refluxing and nonrefluxing kidneys. *J Urol*. 2007 Dec;178(6):2550-4. Epub 2007 Oct 15. PMID: 17937957.

Zijie Sun, PhD

Verras M, Lee J, Xue H, Li T-H, Wang YZ, **Sun ZJ**. The Androgen Receptor Negatively Regulates the Expression of c-Met: Implications for a Novel Mechanism of Prostate Cancer Progression. *Cancer Res*. 67:967-75, 2007.

Li TH, Zhao H, Peng Y, Beliakoff J, Brooks J, **Sun ZJ**. A promotion role of androgen receptor in androgen-sensitive and insensitive prostate cancer cells. *Nucleic Acid Res*. 35:2767-76, 2007.

Lee J, Beliakoff J, **Sun ZJ**. The novel PIAS-like protein Zimp10 is a transcriptional co-activator of the p53 tumor suppressor. *Nucleic Acid Res*. 2007 Jun 21; [Epub ahead of print].

succeeded by Precy Presigan. We are in the midst of training in new information technology systems at LPCH and SHC that require hours of on-line and additional classroom training, adjusting to new operating rooms in the Advanced Medicine Center (Cancer Center), and preparing for new operating rooms for LPCH, and the opening of the North Campus in Redwood City off Highway 101. We are discussing future plans for completely new buildings for the School of Medicine (Learning and Knowledge Center and Center Buildings) and for a totally new hospital. Architects have already been selected.

These winds of change and growth are being seen in the Department and within Urology overall and, of course, are only a part of what is happening within the world. This holiday season in this Department we are deeply saddened by our loss of Dr. Duncan E. Govan. We have missed his voice and laughter at our rounds for several years, but he was still looking over us tall as ever from his portrait on the wall. All of us who were fortunate enough to have been trained by Dr. Govan will remember him saying that some of Dr. Kessler's patients might be better off "if he just finds a hobby." Even after Dr. Govan tried to retire, he was called back to duty multiple times as Acting Chief of Staff and one of our VA Urologists. We salute his passing, and celebrate his life as he made us all better with his wisdom and kindness. We celebrated his lifetime achievements within Stanford on November 30, 2007.

During this holiday season, I wish you and your family wonderful times together and hope that we all have a moment to remember those who may have made our lives more productive and pleasant.

~Linda

problems, general urology and most of the cancer problems, and contributed greatly to these areas with research, publications, and lectures. He received the distinguished member award from the Western Section of the American Urological Association for his contributions to urology. He was a member of the Society of Pediatric Urology, Western Urologic forum, and American Association of Genito-Urinary Surgeons.

Dr. Govan distinguished himself at the medical school for his strong and enthusiastic involvement with medical students. He was Chair of the School Curriculum Committee, and was awarded the Kaiser award for education in 1977, 1980 and the Rambar Award for Excellence in patient care 1989. He was instrumental in the Stanford Urology residency program and along with Dr. Hinman organized the annual Northern California Urology Residents Conference that allowed residents at UCSF, UC Davis, and previous Letterman and Oak Knoll programs to present their research and this program continues today.

Dr. Govan became Emeritus Professor in 1988, but saw patients until 1993. During this period (Jan 1989 to Jan 1993) he was recalled to duty as Deputy Chief of Staff in the Hospital and during this period he developed the Hospital Quality Assurance Program. He also served as Acting Chair of Urology from December, 1994 to June, 1995, and again as Chief of Staff of Stanford University Hospital from November 1995 to August, 1996.

While he was Deputy Chief of Staff in 1992, he helped organize a Free Medical Clinic in East Palo Alto sponsored by local Rotary Clubs and served people without other access to medical care.



Stanford Urology News is published for current and former faculty, residents, physicians, and friends of the Department.

Linda M. Dairiki Shortliffe, M.D., Editor
Professor and Chair

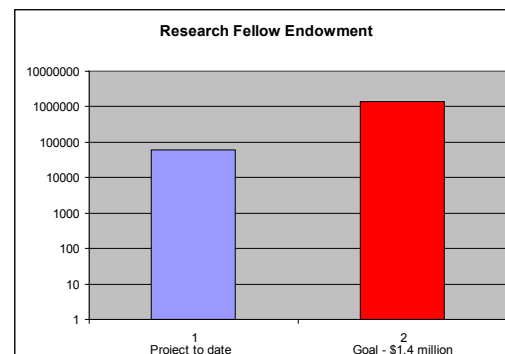
Stephanie Edelman, Managing Editor
Director for Finance and Administration
(650)725-6493 - sedelman@stanford.edu

Dr. Govan is survived by his wife Paddy, 6 children, and 15 grandchildren.

*The family requests memorial contributions be made to the
Duncan E. Govan M.D.
Visiting Professorship
of the Stanford University
Department of Urology*

*c/o Linda Shortliffe, Department of
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Urology Fundraising



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