



Dr. Arthur Burnett

Dr. Arthur Burnett is a professor of urology at the Johns Hopkins School of Medicine. He is the Patrick C. Walk Professor of Urology. Dr. Burnett is the director of the Male Consultation Clinic at Johns Hopkins Hospital, a clinician-scientist at the James Buchanan Brady Urological Institute, and director of the Basic Science Laboratory in Neurourology at the Johns Hopkins School of Medicine.

Dr. Burnett received his undergraduate degree in biology from Princeton University and his medical degree at the Johns Hopkins University School of Medicine. He completed his internship and residency in surgery, and subsequently residency and fellowship in urology at The Johns Hopkins Hospital. Upon completion of his urology residency, he received an American Foundation of Urologic Disease New Investigator Award to continue research work into the regulatory mechanisms of penile erection. He has maintained an active laboratory in neurourology since that time.

Dr. Burnett is an established expert in the areas of prostate cancer, lower genitourinary tract malignancies (penile, scrotal, and urethral cancers), lower genitourinary tract reconstruction (pelvic trauma and urethral stricture disease), erectile dysfunction and penile abnormalities (including Peyronies disease), and female urology (including urinary incontinence, urethral abnormalities, and prolapsed pelvic structures).

He is an expert prostate cancer surgeon, having performed over 2,000 radical prostatectomies where he has proven his skill at applying a single, minimally invasive 3-inch incision just above the pubic bone to facilitate rapid recovery and cosmesis and using a nerve-sparing technique. He has also developed management approaches to improve postoperative functional outcomes following radical prostatectomy.

Dr. Burnett is recognized for being a world-authority in the science and medicine of erectile dysfunction. He contributed original discoveries of the nitric oxide biochemical mechanisms in erectile tissue, which paved the way for the clinical development of oral medications to treat erectile dysfunction such as Viagra. He has also pioneered work to develop therapies to protect penile nerve function required for improved erectile function recovery after radical prostatectomy.

Dr. Burnett has written more than 150 original peer-reviewed articles, along with numerous additional articles, editorials, and book chapters, relating to his biomedical research and clinical activities. His work has appeared in many prominent journals such as *Science*, *Nature Medicine*, *Proceedings of the National Academy of Sciences*, *Journal of Urology*, *Urology*, and *Journal of Andrology*. He has sat on various advisory committees including the Urology Study Section, National Institutes of Health Center for Scientific Review and FDA Advisory Committee for Reproductive Health Drugs.