

KAREN ELIZABETH BOYLE, M.D.

Greater Baltimore Medical Center (GBMC)
Physicians Pavilion North
6535 N. Charles Street, Suite 625
Baltimore, MD 21204
410-825-5454 - Office
410-825-5811 - Fax

EDUCATION:

- 2004-2005 Fellow, Reproductive Medicine & Surgery,
Scott Department of Urology, Baylor College of Medicine,
Houston, TX
- Jan 2004-June2004 Assistant Chief of Service, The James Buchanan Brady Urological
Institute, The Johns Hopkins Hospital, Baltimore, MD
- 2000-2004 Urologic Surgery Residency, The James Buchanan Brady Urological
Institute, The Johns Hopkins Hospital, Baltimore, MD
- 1999-2000 General Surgery Residency, Department of General Surgery, The
Johns Hopkins Hospital, Baltimore, MD
- 1998-1999 General Surgery Internship, Department of General Surgery, The
Johns Hopkins Hospital, Baltimore, MD
- 1994-1998 Albany Medical College -graduated Doctor of Medicine with
Distinction in Research, Albany, NY
- 1990-1994 Harvard University -graduated cum laude in honors Biology AB.,
minor in medical sociology, Cambridge, MA

WORK HISTORY:

- August 2008-present Director, Reproductive Medicine and Surgery,
Sexuality & Aesthetics
Chesapeake Urology Associates
Towson, MD
- August 2008 -present Director, Male Fertility
Shady Grove Fertility Reproductive Science Center
Rockville, MD
- Dec 2008 - present Clinical Instructor of Urology
George Washington University School of Medicine
Washington, D.C.

Jan 2006-July 2008

Assistant Professor of Urology, Obstetrics and Gynecology,
Director, Reproductive Medicine & Surgery
The Brady Urological Institute,
The Johns Hopkins Hospital, Baltimore, MD

APPOINTMENTS AND MEMBERSHIPS:

American Society for Reproductive Medicine (ASRM)
Society for Male Reproduction and Urology (SMRU)
Society for the Study of Male Reproduction (SSMR)
International Society of Cosmetogynecology (ISCGYN)
American Academy of Cosmetic Surgery (AACCS)
International Society for the Study of Women's Sexual Health (ISSWSH)
Sexual Medicine Society of North America (SMS)
American Urological Association (AUA)
Johns Hopkins Hospital ART Advisory Board
Reviewer for *Urology*
Reviewer for *Fertility & Sterility*

PUBLICATIONS:

1. Boyle KE. Women's Sexual Health and Genital Aesthetics. To be Submitted Sept 2008
2. Boyle KE. AUA In Brief Winter 2008
3. Boyle KE, Walsh PC. Loss of Intimacy: The Adverse Impact of Hormonal Therapy on Partners of Men with Prostate Cancer. *Urology* June 2006
4. Boyle KE, Case J, Crain D, French D, Lamb D, Lipshultz, L. The Use of FISH in Men with Failed Pregnancy Success. *Human Reproduction* (submitted and in review)
5. Boyle, KE, Lipshultz, LI. Vasectomy Reversal: What you need to know when considering having your vasectomy reversed. *Radius* (Sept 2006)
6. Boyle, KE, Case, JR, Crain, D, Lipshultz, LI. The Evaluation of the Infertile Male, part I. *Fertility Today* - Spring 2006
7. Boyle, KE, Case, JR, Crain, D, Lipshultz, LI. The Evaluation of the Infertile Male, part II. *Fertility Today* (Summer 2006)
8. Boyle, KE, Case, JR, Crain, D, Lipshultz, LI. The Evaluation of the Infertile Male, part III. *Fertility Today* (Fall 2006)
9. Boyle, KE, Thomas AI, Marmar JL, Hirshberg S, Belker A, Jarow J. The Cost Effectiveness of Cryopreservation of Sperm Harvested Intraoperatively During Vasectomy Reversal. *Fert Steril*, April 2006
10. Boyle, KE. *Urologic Surgery: General Surgery Review*. Makary, MA. Ladner-Drysdale, Washington D.C., 2004, pp. 315-327.
11. Boyle KE, Vlahos N, Jarow J. State of ART: Assisted Reproductive Technology in the New Millennium *Urology* Feb 63(2): 217-24, 2004.
12. Boyle KE, Vlahos N, Jarow J. State of ART: Assisted Reproductive Technology in the New Millennium *Urology* Jan 63(1): 2-6, 2004.

13. Roberts WW, Bluebond-Langner R, Boyle KE, Jarrett TW, Kavoussi LR. Laparoscopic ablation of symptomatic parenchymal and peripelvic renal cysts. *Urology* Aug 58(2): 165-9, 2001.
14. Cadeddu JA, Boyle KE, Fabrizio MD, Schulam PG, Kavoussi LR: Laparoscopic management of urachal cysts in adulthood. *J Urol* 164(5):1526-8, 2000.
15. Calvano CJ, Moran ME, Tackett LD, Reddy PP, Boyle KE, Pankratov MM: New visualization techniques for in utero surgery: amnioscopy with a three-dimensional head-mounted display and a computer controlled endoscope. *J Endourol* 12(5);407-10, 1998.
16. Boyle KE, Moran ME, Calvano CJ, White MD, Reddy PP, Mehlhaff SA: Endoscopic subcutaneous neurovascular lower extremity myofascial flap harvesting for genitourinary reconstruction. *J Endourol* 12(2); 187-9, 1998.
17. Calvano CJ, Reddy PP, Moran ME, Boyle KE, Housley HT, Jennings RW, Harrison MR, Mandell J: Initial studies of holmium yag laser creation of spinal defects in fetal rabbits: model for urologic effects of myelomeningocele. *J Endourol* 12(2); 199-203, 1998.

BOOK CHAPTERS:

1. Boyle, KE, Burnett A. *Sexual Dysfunction*. Dobs, A; Legato, M Gender Specific Medicine, to be published 2008
2. Boyle, KE. *The Empiric Treatment of Male Infertility*. In Lipshultz LI Infertility in the Male. C.V. Mosby; 4th Edition.
3. Boyle, KE. *Urologic Surgery: General Surgery Review*. Makary, MA. Ladner-Drysdale, Washington D.C., 2004, pp. 315-327.

ABSTRACTS:

1. French D, Case J, Boyle KE, Crain D, Lamb D, Lipshultz, L. The Use of FISH in Men with Failed Pregnancy Success. Podium AAGUS 2005, Podium AUA 2005.
2. Boyle KE, Jarow JP. The Contributions of Dr. Edward Martin to Clinical Andrology AUA 2004.
3. Boyle KE, Charron M, Jarow JP, Wright WW. In vivo expression of the green fluorescent protein reporter gene in rat testes. Poster presentation, AUA 2002.
4. Pinto PA, Ryan B, Boyle KE, Kavoussi LR. Laparoscopic Partial Cystectomy for Endometriosis. Video session, AUA 2002.
5. Calvano CJ, Moran ME, Tackett LD, Reddy PP, Boyle KE, Pankratov MM. Fetal Urologic microsurgery via mini-hysterotomy: tissue reaction to sutures exposed to amniotic fluid. 1997 World Congress of Endourology meeting podium presentation. Journal of Endourology Vol I., Supplement I, Sept 1997.
6. Moran ME, Calvano CJ, White MD, Boyle KE, Mayer H. Silent near lethal ureteral calculi in the intensive care unit. 1997 World Congress of Endourology meeting poster presentation. Journal of Endourology Vol 1 I, Supplement 1, September 1997.
7. White MD, Moran ME, Calvano CJ, Mehlhaff BA, Loughlin MW, Boyle KE, Rosenberg SA. Holmium:Yag laser photoablation of soft tissue obstruction with synchronous lithotripsy. 1997 World Congress of Endourology meeting poster presentation. Journal of Endourology Vol 11, Supplement 1, September 1997.

8. Mehlhaff BA, Moran ME, Calvano CJ, White MD, Loughlin MW, Boyle KE. Holmium laser utilization: report of the initial experience. 1997 World Congress of Endourology meeting poster presentation. Journal of Endourology Vol 11, Supplement 1, September 1997.
9. Mehlhaff BA, White MD, Calvano CJ, Boyle KE, Moran ME. Combined Percutaneous and endoscopic primary realignment of prostatomembranous urethral disruption. 1997 World Congress of Endourology meeting poster presentation. Journal of Endourology Vol II, Supplement I, September 1997.
10. Mehlhaff BA, Johnston III WK, Tublin M, Herr A, White MD, Calvano CJ, Boyle KE, Moran ME. Use of three dimensional computed tomography in the cost effective treatment of staghorn renal calculi. 1997 AUA National Meeting, World Congress of Endourology meeting poster presentation. Journal of Endourology Vol 11, Supplement 1, September 1997.

PRESENTATIONS:

1. Mid-Atlantic Primary Care Conference "Women's Sexual Health" December 2008
2. A Woman's Journey: "Female and Male Sexual Function: A Couple's Based Approach to Evaluation and Therapy (Nov 18, 2006)
3. Women's Health Program: "What's New in the Treatment of Male Infertility. (Dec 1, 2006)
4. The Contributions of Dr. Edward Martin to Clinical Andrology, AUA 2004.
5. Post-ejaculatory Urinalysis in Fertile and Infertile Men, Maryland Urologic Association, 2002; ASRM, 2002
6. The Cost Effectiveness of Cryopreservation Sperm Harvested Intraoperatively During Vasectomy Reversal, ASRM 2002
7. Cathepsin L Gene transcription regulation in an in vivo transient transfection rat model using intratubular DNA injection and in vivo electroporation AUA poster, 2002
8. Endoscopic harvest of lower extremity myofascial flaps in New Zealand White Rabbits with comparison of various endoscopes in subcutaneous spaces. World Congress of Endourology meeting podium presentation, Edinburgh, Scotland, 1997
9. Non-fragmentable urolithiasis treated by definitive Holmium - Yag laser lithotripsy, World Congress of Endourology meeting poster presentation, Edinburgh, Scotland, 1997
10. The delivery of health care to America -opinions and thoughts on managed care Institute of Politics, Kennedy School of Government, Harvard University, Cambridge, MA, 1993
11. A Multifaceted epidemiologic investigation of the environmental and health effects of clustered industry Guest speaker, Amoco Corp. Environmental Affairs and Safety Organization Annual Meeting, Chicago, Illinois, 1990
12. Guest speaker, Massachusetts Respiratory Hospital, Braintree, MA, 1990
13. Guest speaker, Massachusetts State Department of Health incinerator siting hearings, Boston, MA, 1990

RESEARCH:

1. Outcomes research in cosmetic genital surgery on men and women (2008)

2. Use of Botox to treat vaginismus (2008)
3. Collagen injection at the G-Spot to enhance sexual gratification (2008)
4. Outcomes research in female sexual dysfunction, Johns Hopkins Hospital.
5. Fluorescence In-Situ Hybridization in men with failed pregnancy success, Baylor College of Medicine, Dr. Lipshultz, Dr. Lamb
6. Cathepsin L Gene transcription regulation in an in vivo transient transfection rat model using intratubular DNA injection and in vivo electroporation, The Johns Hopkins School of Public Health, Department of Urology, Dr. William Wright.
7. The effect of estrogen on testicular function and spermatogenesis in the rat testis in vivo, The Johns Hopkins School of Public Health, Department of Urology, Dr. Jonathan Jarow, Dr. Barry Zirkin.
8. Reviewer of new guidelines for Erectile Dysfunction, AUA, Dr. Jonathan Jarow, 2001.
9. Nonoperative treatment of grades 3 and 4 penetrating and blunt renal trauma, University of California, San Francisco General Hospital, Dr. Peter Carroll, Dr. Jack McAninch, 1997.
10. Endoscopic harvest of lower extremity myofascial flaps for genitourinary reconstruction in rabbit and cadaveric models, Albany Medical College, Dr. James Mandell, Dr. Michael Moran, 1997. Funded by: American Foundation for Urologic Disease, American Urological Association.
11. Minimally invasive fetal urologic microsurgery - Holmium:Yag laser use in creation of spinal defects in rabbits, development of animal models to study urologic effects of myelomeningocele and tissue reaction to sutures exposed to amniotic fluid, Albany Medical College, Dr. Christopher Calvano, 1997.
12. Non-fragmentable urolithiasis and soft tissue obstruction using Holmium:Yag laser, Albany Medical College, Dr. Michael Moran, 1997.
13. Contributor to Johns Hopkins impacted ureteral stones study, Dr. WW Roberts, Dr. RG Moore, 1997.
14. The outcome of pediatric hepatocellular carcinoma with "ICE" -a retrospective clinical study examining the outcome and sequelae of ifosfamide, VP-16, Carboplatinum. Dr. Holcombe Grier, Clinical Director, Dana Farber Cancer Institute, 1996.
15. The development of diencephalic syndrome associated with optic chiasmatic or hypothalamic tumors in children, Dr. Kimberly Nichols, Dana Farber Cancer Institute, Children's Hospital, Boston, MA, 1996.
16. Pediatric oncology - a sociologic field investigation of the interpersonal and professional relationships of the health care team, family and patient; the communication of truths, instilling hope and end of life issues, Dr. Mary-Jo DelVecchio Good, Harvard Medical College, 1992-1996.
17. A multifaceted epidemiologic investigation of the health profile of a community, its air, soil, and water contamination and correlation of disease and toxicity of existing industry, 1987-1992.
18. Research assistant in chemotherapeutics -Beth Israel Hospital, Boston, 1991
19. Epidemiology and Public health research assistant - Channing Laboratory, Harvard Medical School, Boston, MA, 1991-1992.

20. Environmental affairs publication assistant - Kennedy School of Government, Harvard Univ., Cambridge, MA, 1990.
21. Organismic and evolutionary biology and botany research assistant - Bazzaz Laboratory, Harvard Univ., Cambridge, MA, 1987-1990.

HONORS AND AWARDS, MEDIA APPEARANCES AND CONTRIBUTIONS:

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| 2008 | The View with Barbara Walters, July 10, 2008 |
| 2008 | Hopkins 24/7 Featured Physician ABC summer 2008 |
| 2008 | ABC News Healthy Life on sexuality |
| 2007 | Contributer to Playboy Magazine |
| 2007 | Contributer to Men's Health Magazine |
| 2004 | Advancement of Urology Speaker, Pfizer |
| 2002 | Award of Recognition for Poster Presentation, ASRM Annual Meeting |
| 2002 | Traveling Fellowship Award to the American Society for Reproduction Medicine Meeting |
| 2002 | Society for the Study of Male Reproduction Traveling Fellowship Award, AUA |
| 1997 | American Foundation for Urologic Disease, American Urological Association Children's Hospital Boston Summer Scholar Fellow, sponsor Alan Retik, M.D. |
| 1997 | M.D. with Distinction in Research Award by Albany Medical College Dean, Albany Medical College Alumni Scholarship |
| 1996 | Representative to US Pharmacopeial Convention Essay Contest, honorable mention, |
| 1993 | Radcliffe Presidential Discretionary Fund Grant |
| 1990 | Westinghouse Science Talent Search Scholar |
| 1990-1994 | Harvard Lazo Scholar |
| 1990 | First Place, Environmental Science, International Science and Engineering Fair |
| 1990 | U.S. Army Award for Excellence in Environmental Research |
| 1990 | U.S. Representative to the Japanese Science Student Convention, Kyoto, Japan |
| 1990 | National Naval Science Award and Scholarship |
| 1990 | Guest speaker at Amoco Corp. Environmental Affairs and Safety Organization Annual Meeting, Chicago, IL |
| 1989 | U.S. Department of Energy Oak Ridge National Laboratory Summer Research Program, Oak Ridge, TN |