

Robert Lawrence Segal, M.D.

Chesapeake Urology Associates, PA

Good Samaritan Hospital, Smyth Building, 5601 Loch Raven Blvd., Suite 307
Baltimore, MD 21239 • 410-443-7303

Union Memorial Hospital, 3333 N. Calvert St., Suite 600
Baltimore, MD 21218 • 410-467-7665

Education

- 2011 - present** **Sexual Medicine Fellowship**, Johns Hopkins Hospital
- 2006 - 2011** **Urology Residency Training Program**, McGill University
- 2002 - 2006** **M.D.,C.M.**, McGill University
- 1999 - 2002** **B.Sc., Physiology** McGill University
- Graduated with Great Distinction
 - Dean's Honour List
- 1997 - 1999** **Diplôme d'études collégiales, Health Sciences, Marianopolis College**
- Graduated on Honour Roll
 - Dean's Honour List

Licensing Examinations

- July 2011** American Board of Urology Qualifying (Part 1) Examination
- Successful Completion
- June 2011** Royal College of Physicians and Surgeons of Canada Urology Certification Examination
- Successful Completion
- December 2010** Graduate Record Examination
- Verbal Reasoning: score 590, 84th percentile
 - Quantitative Reasoning: score 770, 87th percentile
 - Analytical Writing: score 4.5, 67th percentile
- October 2008** United States Medical Licensing Examination, Step 3
- Pass

- October 2007** Medical Council of Canada Qualifying Examination, Part 2
- Pass
- January 2007** United States Medical Licensing Examination, Step 2
(Clinical Skills)
- Pass
- May 2006** United States Medical Licensing Examination, Step 2
(Clinical Knowledge)
- Pass (237,96)
- May 2006** Medical Council of Canada Qualifying Examination, Part 1
- Pass
- August 2004** United States Medical Licensing Examination, Step I
- Pass (234,95)

Research

- 2011** **Erythropoietin to Enhance Erection Recovery in Men Following Radical Prostatectomy.**
Johns Hopkins Hospital
Brady Urological Institute
Supervisor: Dr. Arthur Burnett
- Coordinated randomized controlled clinical trial
- 2011** **Health Interventions in Men Undergoing Radical Prostatectomy- A Randomized, Controlled Clinical Trial.**
Johns Hopkins Hospital
Brady Urological Institute
Supervisor: Dr. Arthur Burnett
- Coordinated randomized controlled clinical trial
- 2011** **The Johns Hopkins Hospital Experience with Penile Prostheses: A Single-Institution Retrospective Analysis.**
Johns Hopkins Hospital
Brady Urological Institute
Supervisor: Dr. Arthur Burnett
- Clinical research involving chart review, data analysis and statistical analysis
 - Working in conjunction with AMS Inc. to create a retrospective national penile prosthesis database to establish data on patient demographics and cost of penile prosthesis surgery
- 2008** **Early Induction of Erectile Dysfunction by Angiotensin II in the Rat**
Jewish General Hospital, McGill University
Division of Urology

Department of Surgery
Department of Pharmacology, Université de Montréal
Supervisors: Dr. Serge Carrier, Dr. Denis deBlois

- Harvest rat aortae and corpora cavernosa from sacrificed rats
- Assessing vasoreactivity (isometric contractions) of the aortae and corpora by employing an isometric force transducer and a computerized data acquisition system

2004 Clinical Stage 1 Nonseminomatous Germ Cell Tumours: a 32-year Experience at a Single Canadian Institution

MUHC, Montreal General Hospital

Division of Urology

Department of Surgery

Supervisors: Dr. Simon Tanguay, Dr. Armen Aprikian

- Clinical research involving chart review, data analysis and statistical analysis
- Wrote initial draft of transcript meant for publication

2003 Tissue Engineering of the Intervertebral Disc

Jewish General Hospital, Lady Davis Institute

Division of Orthopaedic Surgery

Supervisors: Caroline Demers, Dr. Fackson Mwale, Dr. John Antoniou

- Harvest mesenchymal stem cells derived from bone marrow utilizing an established protocol
- Cultured cells for sufficient numbers for flow cytometry
- Flow cytometry
- Data analysis

Publications

1. Duque G, Segal R, Wise F, Bianco J. Chronic Hypercalcemia as a Reversible Cause of Cognitive Impairment: Improvement After a Single Administration of Pamidronate J Am Ger Soc 2005; 53(9):1633-4.
2. Segal R & Pilote L. Warfarin Interaction with *Matricaria chamomilla*. CMAJ 2006; 174(9):1281-2.
3. Segal R, Brimo F, Kassouf W. A Case of PSA Normalization and Scintigraphic Radionuclide Improvement in a Patient with Metastatic Hormone-Refractory Prostate Cancer Treated with Zoledronic Acid. UroToday Int J 2010; 3(1). doi:10.3834/uij.1944-5784.2010.02.07
4. Libman JL, Segal R, Baazeem A, Boman J, Zini A. Microanatomy of Subinguinal Varicocele: Comparative Study of the Left and Right Spermatic Cords. Urology 2010; 75(6):1324-7.
5. Feifer A, Xie X, Brophy JM, Segal R, Kassouf W. Contemporary Cost Analysis of a Single Instillation of Mitomycin After Transurethral Resection of Bladder Tumor in a Universal Health Care System. Urology 2010; 76(3):652-6.
6. Segal R & Burnett AL. Erectile Preservation Following Radical Prostatectomy. Therapeutic Advances in Urology 2011; 3:35-46.

7. Segal R, Yafi FA, Tanguay S, Aprikian A, Kassouf W. Prognostic Factors and Outcome in Patients with T1 High-Grade Bladder Cancer: Can We Identify Patients for Early Cystectomy? *British Journal of Urology International* 2011 [Epub ahead of print].
8. Segal R & Burnett AL. Avanafil for the Treatment of Erectile Dysfunction. *Drugs of Today* 2012; 48(1):7-15.
9. Segal R, Bivalacqua TJ, Burnett AL. Irbesartan Promotes Erection Recovery after Nerve-Sparing Radical Retropubic Prostatectomy: A Retrospective Long-Term Analysis. *BJU Int.* in press.
10. Burnett AL & Segal R. Beyond the Abstract - Erectile preservation following radical prostatectomy. *UroToday.com Beyond the Abstract* initiative, published January 4th, 2012 <http://www.urotoday.com/prostate-cancer-1014/beyond-the-abstract-er...tectomy-by-arthur-l-burnett-md-mba-and-robert-segal-md-frcsc-.html>
11. Segal R, Hannan JL, Liu X, Kutlu O, Burnett AL, Champion HC, Kim JH, Stepan J, Berkowitz DE, Bivalacqua TJ. Chronic Oral Administration of the Arginase Inhibitor 2(S)-amino-6-boronoheptanoic acid (ABH) Improves Erectile Function in Aged Rats. *J Androl.* In press.

Conference Presentations

1. Demers, CN, Mwale F, Stachura D, Segal R, Huk OL, Zukor DJ, Antoniou J. Characterization of mesenchymal stem cells from osteoarthritis patients.
Poster Presentation
IX Annual Canadian Connective Tissue Conference
May 28-30, 2004
2. Antoniou J, Demers CN, Segal RL, Stachura D, Petit A, Huk OL, Zukor DJ, Mwale F. Cell Surface Marker Expression of Mesenchymal Stem Cells from Osteoarthritis Patients
Poster Presentation
38th Canadian Orthopaedic Research Society
June 18-21, 2004
3. Demers CN, Mwale F, Stachura D, Segal R, Huk OL, Zukor DJ, Antoniou J. Characterization of mesenchymal stem cells from osteoarthritis patients
Poster Presentation
Gordon Conference on Musculoskeletal Biology & Bioengineering
July 25-30, 2004
4. Segal R, Andonian S, Steinberg A, Aprikian A, Laplante M, Tanguay S. Clinical Stage I NSGCT: Montreal General Hospital Experience
Podium Presentation
15th Annual McGill Urology Research Day
April 27th, 2005
5. Segal R, Wise F, Bianco J, Duque G. Chronic hypercalcemia as a reversible cause of cognitive impairment: improvement after a single administration of Pamidronate.
Podium Presentation
4th Annual Research Day Conference, Réseau Québécois de Recherche sur le Vieillissement (RQRV)
10th Annual Research Day Conference of the McGill Division of Geriatric Medicine
April 29th, 2005

6. Feifer A, Segal R, Papali A, Bismar T, Al-Mandil M, Shamy A, Steinberg J. Primary Renal Lymphoma with Renal Vein Involvement: Case Report and Review of the Literature
Podium Presentation
14th Annual Meeting of the St. Lawrence Urological Group
February 1-3, 2008
7. Segal R, Mampouma F, Hale TM, Carrier S, DeBlois D. Early Induction of Erectile Dysfunction by Angiotensin II in the Rat
Podium Presentation
33rd Annual Meeting of the Quebec Urological Association
November 14-16, 2008
8. Segal R, Guan M, Morehouse DD. An Unprecedented Case of Foreign Body Erosion into the Bladder in the Setting of Transitional Cell Carcinoma
Podium Presentation
15th Annual Meeting of the St. Lawrence Urological Group
January 23-25, 2009
9. Feifer A, Segal R, Xie X, Brophy JM, Kassouf W. Cost Analysis of Single Instillation of Mitomycin C After Transurethral Resection of Bladder Tumour in the Quebec Healthcare System
Podium Presentation
19th Annual McGill Urology Research Day
April 15th, 2009
10. Feifer A, Segal R, Xie X, Brophy JM, Kassouf W. Cost Analysis of Single Instillation of Mitomycin C After Transurethral Resection of Bladder Tumour in the Quebec Healthcare System
Poster Presentation
64th Annual Meeting of the Canadian Urological Association
June 27-July 1, 2009
11. Feifer A, Segal R, Xie X, Brophy JM, Kassouf W. Cost Analysis of Single Instillation of Mitomycin C After Transurethral Resection of Bladder Tumour in the Quebec Healthcare System
Poster Presentation
61st Annual Meeting of the Northeastern Section of the American Urological Association
October 7-11, 2009
12. Segal R, Mampouma F, Hale TM, Carrier S, DeBlois D. Early Induction of Erectile Dysfunction by Angiotensin II in the Rat
Podium Presentation
61st Annual Meeting of the Northeastern Section of the American Urological Association
October 7-11, 2009
13. Segal R, Yafi FA, Tanguay S, Aprikian A, Kassouf W. Prognostic Factors and Outcome in Patients with T1G3 Bladder Cancer: McGill University Experience
Podium Presentation
20th Annual McGill Urology Research Day
May 14th, 2010
14. Segal R, Yafi FA, Tanguay S, Aprikian A, Kassouf W. Prognostic Factors and Outcome in Patients with T1G3 Bladder Cancer: McGill University Experience

Podium Presentation

35th Annual Meeting of the Quebec Urological Association
November 12-14, 2010

15. Segal R, Bivalacqua TJ, Burnett AL. Irbesartan Promotes Erection Recovery after Nerve-Sparing Radical Retropubic Prostatectomy: A Retrospective Long-Term Analysis

Moderated Poster Presentation

Sexual Medicine Society of North America Annual Meeting
November 10-13, 2011

16. Segal R, Bivalacqua TJ, Burnett AL. Irbesartan Promotes Erection Recovery after Nerve-Sparing Radical Retropubic Prostatectomy: A Retrospective Long-Term Analysis

Poster Presentation

Johns Hopkins 7th Annual Prostate Research Day
February 25, 2012

Awards

- 2011** **Frank McGill Travel Fellowship**
- 2011** **Quebec Urology Association Scholarship**
- 2011** **Sexual Medicine Society of North America Research Grant**
- 2009** **Urology Essay Prize**, for best research presentation at the 19th Annual McGill Urology Research Day
- 2000** **Golden Key National Honour Society**, McGill University

Volunteer Experience

- 2004 - 2006** **Small Group Co-Leader, Introduction to the Patient (ITP) Course**
McGill University, Faculty of Medicine
- Mentor to first-year medical students
- 2001 - 2004** **Volunteer, The Friendship Circle**
- Acted as “Big Brother” to a child with special needs
- 2001 - 2003** **Transcriptionist, Montreal Holocaust Memorial Centre**
- Transcribed testimonies of Holocaust survivors for use at the Montreal Holocaust Memorial Centre and at the Washington Holocaust Memorial

Hobbies/Interests

- Swimming
- Chess
- Literature