

DESIDERIO AVILA JR.

Education

Baylor College of Medicine Department of Urology- Houston TX
Division of Male and Reproductive Medicine
Fellow July 2009 – June 2010

Baylor College of Medicine, Department of Urology- Houston, TX
Urology resident, July 2004 – Present

Baylor College of Medicine, Department of Surgery- Houston, TX
General Surgery intern, June 2003 – June 2004

University of Chicago Pritzker School of Medicine- Chicago, IL
M.D., June 2003

Princeton University- Princeton, NJ
Bachelor of Arts, Molecular Biology, May 1999

Honors And Awards

- 2010** Baylor Urology Education Committee – Fellow Representative
- 2009** Outstanding Resident Teacher of the Year, Baylor College of Medicine
- 2008** Outstanding Research Award, Scott Department of Urology
- 2007** Baylor Urology Admissions Committee – Resident Representative
Baylor Urology Education Committee – Resident Representative
- 2006** Anatomy Instructor – Baylor 1st year Medical Student Urology Module
- 2003** J. Smith Scholarship for Outstanding Academic Achievement
- 2002** Honors, General Surgery Clerkship
Honors, General Medicine Clerkship
- 2001** NIH/Pritzker Student Summer Research Award
- 2000** Coordinating Council for Minority Issues – Outstanding Graduate First-Year Student
- 1999** Princeton University Alumni Annual Giving Regional Representative
- 1998** Howard Hughes Medical Institute Undergraduate Summer Research Internship
- 1997** Hines VA Research Student Award
- 1995** WGN Channel Nine Extra Effort Award
National Football Foundation/College Football Hall of Fame H.S. Scholar Athlete
Pinnacle Bank Scholarship for Outstanding Academic Achievement

Research Experience

Dept of Urology, Baylor College of Medicine – Independent Project (July 2007- Present)

Studying the causal relationship between LUTS and Erectile Dysfunction in Men by characterizing in the lab the relative availability of Nitric Oxide, ATP, and Epinephrine in human cavernosal tissues harvested during penile prosthesis placement.

Dept of Urology, Baylor College of Medicine – Independent Project (Jan 2007- June 2009)

Studying the effect of Estrogen Deprivation on Female Rat Bladders including urodynamic changes, contractibility studies, as well as purine and nitric oxide release compared to normal controls.

Dept of Urology, Baylor College of Medicine – Independent Project (July 2007- June 2009)

Studying the therapeutic benefit of Botox on spinal cord injured rats using urodynamic changes, contractibility studies, as well as purine and nitric oxide release.

Dept of Urology, University of Chicago – Research Associate (1/2002-1/2003)

Studied the Effect of Vitamin D on Prostate Cancer in LNCaP mice.

Dept of Surgery, Cardiac Division, University of Chicago – Research Associate (12/1999-05/2001)

Studied the cardioprotective effects of Glutamine in ischemia-reperfusion injury.

Dept of Surgery, Cardiac Division, University of Chicago – Research Intern(12/1999-09/2000)

Studied the effects of a cool reperfusate following ischemia-reperfusion injury in the isolated working rat heart.

Dept of Molecular Biology, Princeton University – Independent Thesis Project (9/1998-4/1999)

Studied factors affecting decline of physician-scientists in the U.S. and analyzed what medical schools in a specific geographic area were doing to combat this decline.

Hines VA/Loyola Stritch School of Medicine – Research apprentice (05/1995-09/1997)

Studied the effects of Exercise on peripheral vascular disease in armed forces veterans

Publications and Presentations

Avila D, Gittens PG, Khera M, Lipshultz LI; *Intralesional Verapamil Injection Combined with Phosphodiesterase Inhibitors Improves Results in the Treatment of Peyronie's Disease*. Abstract for AUA meeting 2010, San Francisco, CA.

Sweeney M, Bennett R, **Avila D**, Khera M, Morgentaler A; *PSA and Follow-up Biopsy Results in Men Who Received Testosterone Therapy While on Active Surveillance for Prostate Cancer*. Abstract for AUA meeting 2010, San Francisco, CA.

Weedin J, **Avila D**, Link RE; *The Impact of Proximal Stone Burden on the Treatment of Forgotten, Encrusted, and Calcified Ureteral Stents*. Abstract for AUA meeting 2010, San Francisco, CA.

Byrne L, **Avila D**, Khera M, and Seftel AD; Etiology and Risk Factors of Erectile Dysfunction; Chapter in *Contemporary Treatment of Erectile Dysfunction*. Editor Kevin T. McVary. Springer; December 2009

Avila D and Link RE; Robotic and Laparoscopic Radical Prostatectomy; Chapter in *Early Diagnosis of Cancer Series: Prostate Cancer*. Editor Li Ming-Su. Elsevier; May 2009

Boon JR, Salas NA, **Avila D**, Boone TB, Lipshultz LI, Link RE; *Construct Validity of the Pig Intestine Model in the Simulation of Laparoscopic Urethrovesical Anastomosis: Tools for Objective Evaluation*. J Endourology 2008 Dec;22(12):2713-16.

Khera D, Mohamed O, **Avila D**, Ekeruo, W, Gangitano D, Lipshultz L, Somogyi G; *ATP Release From Caverosal Tissue Is Greater In Patients Following Prostatectomy As Compared To Patients With Organic ED*. Abstract for AUA meeting 2008, Orlando, FL.

Khera D, Mohamed O, **Avila D**, Gangitano D, Lipshultz L, Somogyi G; *Erectile Dysfunction After a Radical Prostatectomy is More Likely Due to Caverosal Nerve Injury Than Non-functioning Penile Tissue*. Abstract for SMSNA meeting 2007, Chicago IL

Khera M, Mohamed O, **Avila D**, Gangitano D, Lipshultz L, Somogyi G; *ATP Release From Caverosal Tissue is Greater in Patients Following Prostatectomy as Compared to Patients With Organic ED*. Abstract for SMSNA meeting 2007, Chicago IL

Boon JR, **Avila D**, Sosa JE, Salas NA; *Construct Validity of the Pig Intestine Model in the Simulation of Laparoscopic Urethrovesical Anastomosis*. Abstract for 8th Annual Advances in Teaching & Learning Regional Conference 2007 University of Texas Health Science Center at Houston.

Salas NA, Sosa JE, Salas I, Boon JR, **Avila D**; *Assessment of Anastomotic Leakage: A Novel System for the Training of Surgeons to Perform a Tubular Anastomosis and Objectively Evaluate Anastomotic Leak*. Abstract for 8th Annual Advances in Teaching & Learning Regional Conference 2007 University of Texas Health Science Center at Houston.

Salas I, Sosa JE, **Avila D**, Boon JR, Salas NA; *Laparoscopic-Simulator Box: a Simple Design for Surgical Residency Programs to Improve Trainees' Laparoscopic Skills*; Abstract for 8th Annual Advances in Teaching & Learning Regional Conference 2007 University of Texas Health Science Center at Houston.

Salas NA, Sosa JE, Salas I, Boon JR, **Avila D**; *Taking Digital Microphotography and Videos through a Microscope without any Special Lens*. . Abstract for 8th Annual Advances in Teaching & Learning Regional Conference 2007 University of Texas Health Science Center at Houston.

Laven BA, Rapp DE, **Avila D**, O'Connor RC, Bales GT; *Necrotic pancreatic graft causing acute urinary retention*. Urol Int. 2005;74(3):278-9.

O'Connor RC, Gerber GS, **Avila D**, Chen AA, Bales GT; *Comparison of outcomes after single or DOUBLE-CUFF artificial urinary sphincter insertion*. Urology. 2003 Oct;62(4):723-6.

O'Connor RC, Bales GT, **Avila D**, Gerber GS; *Variability of the International Prostate Symptom Score in men with lower urinary tract symptoms*. Scand J Urol Nephrol. 2003;37(1):35-7.

Avila D, and Jayakar D; *Cool Reperfusate Ameliorates Ischemia-Reperfusion Injury in the Isolated Working Rat Heart*. Summer Research Basic Science Forum, University of Chicago, 8/2000

Avila D and Rosenberg L; *The Physician-Scientist Era is Dying: What are Chicago's Medical Schools Doing About It?* Thesis Defense, Princeton University, 4/1999

Avila D and Newton A; *An H1-D1-H2-D2 Phosphorelay Pathway is Essential in the Regulation of Important Developmental Events of the Organism Caulobacter Crescentus*. Howard Hughes Medical Institute/Princeton University Molecular Biology Forum for Summer Scholars 8/1998

Volunteer and Community Service

Baylor Student Urology Interest Group – Resident representative (6/2006-6/2009)

Baylor Medical School Gross Anatomy Course - Teaching assistant (2-2007-4/2007)

Pritzker Alumni Council – Student Representative (05/2002-6/2003)

U of Chicago Medical School Basic Histology Course - Teaching assistant (9/000-12/2000)

U of Chicago Medical School Gross Anatomy Course - Teaching assistant (9/2000-10/2000)

U of Chicago 1st Year Orientation Committee - Social Activities Chair (6/2000-10/2000)

U of Chicago Medical School Admissions Committee - Interviewer and Tour guide (1/2000-6/2003)

Undergraduate Molecular Biology Tutor - Tutor (10/1999-8/2000)

Extracurricular Activities

Medical Spanish Group – Co-coordinator and member (8/2005-6/2009); **Intramural Sports** - 6/1999-present); **ALMAS** (Latino medical student group) – member and past president (9/1999-6/2003); **Student National Medical Association**, *member*(6/1999-6/2003); **Princeton University Rugby Team** – position: flanker (9/1995-12/1998)

Languages

Spanish – Fluent

French – Beginner