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# MEHRDAD ALEMOZAFFAR

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## CLINICAL AND ACADEMIC APPOINTMENTS

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|---|--------------|
| <b>Assistant Professor in Urology</b> — Emory University School of Medicine         | 9/14-current |
| <b>Director of Bladder Cancer Program</b> — Emory University, Department of Urology | 9/14-current |
| <b>Clinical Instructor in Urology</b> — University of Southern California           | 7/12-6/14    |

## EDUCATION / TRAINING

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|--------------------------|--|-----------|
| <b>Masters</b>           | <b>M.S. – Biomedical Investigation</b> – <i>University of Southern California</i>  | 9/12-6/14 |
| <b>Fellowship</b>        | <b>Urologic Oncology</b> – <i>University of Southern California</i>  | 7/12-6/14 |
| <b>Residency</b>         | <b>Urology</b> – <i>Harvard Program in Urology, Boston</i>   | 7/08-6/12 |
| <b>Internship</b>        | <b>General Surgery</b> – <i>Brigham and Women’s Hospital, Boston</i>   | 6/07-6/08 |
| <b>Clinical Research</b> | <b>Clinical Research Training Program, National Institutes of Health, National Cancer Institute, Urologic Oncology Branch, Bethesda</b>  | 8/05-6/06 |
| <b>Graduate</b>          | <b>M.D. – University of California Los Angeles (UCLA) School of Medicine</b><br>Alpha Omega Alpha  | 7/02-6/07 |
| <b>Undergraduate</b>     | <b>B.S. – Physiology &amp; Neuroscience</b><br><b>Minor – Health Care &amp; Social Issues</b><br><i>University of California San Diego (UCSD), John Muir College</i><br><i>Summa cum laude, Phi Beta Kappa</i> | 8/98-6/02 |
| <b>Basic Research</b>    | <b>Howard Hughes Science Enrichment Program; Senior Honors Thesis; Faculty Mentorship Program, UCSD Dept. of Biology</b>   | 9/02-6/02 |

## AWARDS / HONORS

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| <b>Best of Posters, 107<sup>th</sup> National American Urologic Association Meeting</b>            | 2012      |
| <b>1<sup>st</sup> Place – Resident Robotic Surgery Tournament, Veterans Administration, Boston</b> | 2012      |
| <b>1<sup>st</sup> Prize – Best Video Abstract, 2010 World Congress of Endourology</b>              | 2010      |
| <b>Recognition for Teaching Excellence, Tufts School of Medicine, Surgery Clerkship</b>            | 2008      |
| <b>Alpha Omega Alpha, UCLA School of Medicine</b>  | 2006      |
| <b>Letters of Distinction, UCLA: Surgery, Psychiatry, Family Practice, Anatomy, Pathology</b>      | 2003-2005 |
| <b>Deans Scholar, UCLA School of Medicine</b>  | 2002      |
| <b>Outstanding Achievement in Biology, UCSD, Highest GPA in Major</b>                              | 2002      |
| <b>Muir College Scholar, UCSD</b>  | 2002      |
| <b>Excellence in Teaching, UCSD</b>  | 2002      |
| <b>Phi Beta Kappa, UCSD, Junior and Senior year</b>  | 2001-2002 |
| <b>Provosts Honors (quarterly), UCSD</b>   | 1998-2002 |

## CLINICAL INTERESTS

- All aspects of Urologic Oncology with management by robotic, open, or focal therapy techniques
- Bladder cancer treatment with robotic cystectomy and intracorporeal urinary diversion
- Robotic prostatectomy with extended lymph node dissection for high-risk/metastatic prostate cancer
- Extraperitoneal approach for surgery of metastatic testis cancer; Kidney and Adrenal cancer

## RESEARCH INTERESTS

- Improved diagnosis and prognostication of urologic tumors with molecular-based imaging and biopsies
- Health related quality of life and outcomes following treatment for genitourinary malignancies

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## PUBLICATIONS

*\*Shared co-first authorship*

- 1) **Alemozaffar M**, Narayanan R, Percy AA, Minnillo BB, Steinberg P, Haleblan G, et al. Validation of a novel, tissue-based simulator for robot-assisted radical prostatectomy. *J Endourol.* 2014 Aug;28(8):995-1000
- 2) **Alemozaffar M**, Sanda M, Yecies D, Stampfer M, Kenfield S. *Benchmarks for operative outcomes of robotic and open radical prostatectomy bases on results from a nationwide American cohort.* *European Urology*, 2014 epub
- 3) **Alemozaffar M**, Narayanan R, Minnilo B, Matthes K, San Francisco I, Nguyen H, Wagner A. *Validation of a novel robotic prostatectomy simulator.* *J Endo*
- 4) Crane NJ, Huffman SW, **Alemozaffar M**, Gage FA, Levin IW, Elster EA. *Evidence of a heterogeneous tissue oxygenation: renal ischemia/reperfusion injury in a large animal model.* *J Biomed Opt.* 2013 Mar;18(3):035001
- 5) **Alemozaffar M**, Chang S, Kacker R, Williams S, Mechaber J, Wagner A. *Comparing costs of robotic, laparoscopic, and open partial nephrectomy.* *J Endo.* 2013 Jan. [Epub ahead of print]
- 6) Friedlander DF, **Alemozaffar M**, Hevelone ND, Lipsitz SR, Hu JC. *Stepwise description and outcomes of bladder neck sparing during robot-assisted laparoscopic radical prostatectomy.* *J Urol.* 2012 Jun;61(6):1222-8
- 7) **Alemozaffar M**, Duclos A, Hevelone ND, Lipsitz SR, Borza T, Yu HY, et al. *Technical refinement and learning curve for attenuating neurapraxia during robotic-assisted radical prostatectomy to improve sexual function.* *Eur Urol.* 2012 Jun;61(6):1222-8
- 8) Kowalczyk KJ, **Alemozaffar M**, Hevelone ND, Ulmer WD, Plaster BA, Lipsitz SR, et al. *Partial clamping of the renal artery during robot-assisted laparoscopic partial nephrectomy: Technique and initial outcomes.* *J Endourol.* 2012 May;26(5):469-73
- 9) **Alemozaffar M\***, Regan M\*, Wei J, Cooperberg M, Michalski J, Sandler H, et al. *Prediction of erectile function following treatment for prostate cancer.* *JAMA.* 2011 Sep 21;306(11):1205-14
- 10) Williams S, Kacker R, **Alemozaffar M**, Francisco I, Mechaber J, Wagner A. *Robotic partial nephrectomy versus laparoscopic partial nephrectomy: a single laparoscopic trained surgeon's experience in the development of a robotic partial nephrectomy program.* *World J Urol.* 2011, Jan 29 epub ahead of print
- 11) Lei Y\*, **Alemozaffar M\***, Williams S, Hevelone N, Lipsitz S, Plaster B, et al. *Athermal division and selective suture ligation of the dorsal vein complex during robot assisted laparoscopic radical prostatectomy: Description of technique and outcomes.* *Eur Urol.* 2011 Feb;59(2):235-43
- 12) Williams S\*, **Alemozaffar M\***, Lei Y, Hevelone N, Lipsitz S, Plaster B, et al. *Randomized controlled trial of barbed polyglyconate versus polyglactin suture for robot-assisted laparoscopic prostatectomy anastomosis: Technique and outcomes.* *Eur Urol.* 2010 Dec;58(6):875-81
- 13) **Alemozaffar M**, Narayanan R, Minnilo B, Matthes K, San Francisco I, Nguyen H, Wagner A. *Novel high-fidelity robot assisted radical prostatectomy simulator.* *J Endourol. Part B Videourology*, 2010
- 14) Liu J\*, **Alemozaffar M\***, McHone B, Dhanani N, Gage F, Pinto P, et al. *Evaluation of real-time infrared intraoperative cholangiography in a porcine model.* *Surg Endosc.* 2008;22(12):2659-64

### **Pending Manuscripts:**

- 1) **Alemozaffar M**, Mitra A, Daneshmand S. *Post-prostatectomy survival outcomes in patients with pT3 stage disease and lymph node involvement with subsequent observation or adjuvant therapy.*
- 2) **Alemozaffar M**, Djaladat H, Cai J, Miranda G, Daneshmand S. *Clinical T1 Urothelial Bladder Cancer: USC Experience*

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- 3) **Alemozaffar M**, Chopra S, Cai J, Miranda G, Quinn D, Daneshmand S. *Clinical node positive bladder cancer: Actual pathologic nodal involvement and patient outcomes.*
- 4) **Alemozaffar M**, Marien A, Chopra S, Sun Y, Desai M, Gill I, Aron M. *Outcomes following robot-assisted radical prostatectomy for high-risk prostate cancer.*
- 5) **Alemozaffar M**, Djaladat H, Daneshmand S, Day C. *Impact of urethral atypia at frozen section during radical cystectomy.*
- 6) Chopra S, **Alemozaffar M**, Gill I, Monish A. *Extended lymph node dissection during robotic radical prostatectomy.*
- 7) Djaladat H, **Alemozaffar M**, Cai J, Aron M, Day C, Daneshmand. *Evaluation of length, maximum gleason score, and extension of disease at positive surgical margins during radical prostatectomy.*
- 8) Mitra A, **Alemozaffar M**, Harris B, Schuckman A, Miranda G, Skinner E, Daneshmand S. *Outcomes following urothelial recurrence in bladder cancer patients undergoing cystectomy.*

### ABSTRACTS / PRESENTATIONS

- 1) **Alemozaffar M**, Mundbjerg K, Chopra S, Nichols, P, Aron M, Ukimura O, et al. *Understanding multifocality in prostate cancer and the clonal origin of metastasis.* 6th International symposium on focal therapy and imaging in prostate and kidney cancer; Poster, 2014
- 2) **Alemozaffar M**, Collings C, Chopra S, Syan S, Hu B, Nichols P, et al. *Improving renal needle-biopsy accuracy with RCC-specific DNA methylation markers.* 109th AUA; Poster, 2014
- 3) **Alemozaffar M**, Djaladat H, Schuckman A, Daneshmand S. *Blue light cystoscopy: Initial USC experience.* 89<sup>th</sup> WSAUA; Video, 2013
- 4) **Alemozaffar M**, Ahmadi H, Daneshmand S. *Continent right colon reservoir using cutaneous appendicostomy following radical cystectomy.* 89<sup>th</sup> WSAUA, Video, 2013
- 5) **Alemozaffar M**, Abreau A, Fairey A, Goh A, Leslie S, Berger A, et al. *Technical evolution of robotic-assisted radical cystectomy and intracorporeal neobladder urinary diversion at USC.* 89<sup>th</sup> WSAUA; Video, 2013
- 6) **Alemozaffar M**, Djaladat H, Cai J, Mirandag, Daneshmand S. *Clinical T1 urothelial bladder cancer: USC experience.* 89<sup>th</sup> WSAUA; Podium, 2013
- 7) **Alemozaffar M**, Chopra S, Cai J, Miranda G, Dorff T, Quinn D, et al. *Clinical node positive bladder cancer: Actual pathologic involvement and patient outcomes.* 89<sup>th</sup> WSAUA; Podium, 2013
- 8) Djaladat H, **Alemozaffar M**, Day C, Aron M, Cai J, Campanelli T, et al. *Evaluation of length, maximum gleason score, and extension of disease at positive surgical margins during radical prostatectomy.* 89<sup>th</sup> WSAUA; Podium, 2013
- 9) **Alemozaffar M**, Mitra A, Daneshmand S. *Post-prostatectomy survival outcomes in patients with pT3 disease and lymph node involvement with observation or adjuvant therapy.* 108<sup>th</sup> AUA; Podium, 2013
- 10) Azhar R, Abreau A, **Alemozaffar M**, Berger A, Yu J, Goh A, et al. *Robotic renal artery aneurysm repair with intra-arterial renal hypothermic perfusion.* 108<sup>th</sup> AUA; Video, 2013
- 11) Ukimura O, Marien A, Palmer S, Abreau A, Leslie S, Shoji S, **Alemozaffar M**, et al. *MRI targeted to prostate biopsy with 3D ultrasound tracking system in comparative analysis to systematic random biopsy on 131 consecutive patients with pre-biopsy MRI.* 108<sup>th</sup> AUA; Poster, 2013
- 12) **Alemozaffar M**, Chang S, Kacker R, Wagner A. *Comparing costs of robotic, laparoscopic, and open partial nephrectomy.* 107<sup>th</sup> AUA; Poster, 2012
- 13) **Alemozaffar M**, Sanda M, Yecies D, Stampfer M, Kenfield S. *Benchmarks for operative outcomes of robotic, laparoscopic, and open radical prostatectomy based on results from a nationwide American cohort: The health professionals follow-up study.* 106<sup>th</sup> AUA; Poster, 2011
- 14) **Alemozaffar M**, Choi W, Hu J. *Robotic assisted laparoscopic radical prostatectomy anastomotic technique with quill sutures.* 79<sup>th</sup> NEAUA; Video, 2010

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- 15) San Francisco I, **Alemozaffar M**, Neves O, Mechaber J, Wagner A. *Laparoscopic Radical Nephrectomy for T3 and Metastatic Renal Cell Carcinoma*. 79<sup>th</sup> NEUA; Poster, 2010
- 16) **Alemozaffar M**, Narayanan R, Minnilo B, Matthes K, Wagner A. *A Novel high-fidelity robot assisted radical prostatectomy simulator*. 28<sup>th</sup> World Congress of Endourology; Video, 2010
- 17) Weinberg A, **Alemozaffar M**, Soukup J, et al. *The effect of neo-adjuvant chemotherapy on radical prostatectomy outcomes in intermediate and high-risk prostate cancer*. 105<sup>th</sup> AUA; Podium, 2010
- 18) **Alemozaffar M**, Neckers L, Pinto PA. *Inhibition of PC3-M xenograft prostate cancer growth by intratumoral injection of low dose 17-AAG*. 9<sup>th</sup> SUO; Poster, 2008
- 19) Gorbach A, Wang H, **Alemozaffar M**, Gage F, Dhanani N, Smith P, et al. *Intraoperative imaging of global and focal perfusion deficit in the kidney*. 6<sup>th</sup> American Transplant Congress; Poster, 2006
- 20) Kansal N, **Alemozaffar M**, Dhanani N, Gorbach A, Gage F, Kirk A, et al. *Intraoperative ureteral identification with infrared camera technology*. 24<sup>th</sup> World Congress of Endourology; Poster, 2006
- 21) **Alemozaffar M**, Gorbach A, Kansal N, et al. *Intraoperative infrared imaging to assess segmental renal perfusion: A model for transplantation and nephron sparing surgery*. 102<sup>nd</sup> AUA; Poster, 2007
- 22) Tajkarimi K, Crane N, **Alemozaffar M**, et al. *Visual enhancement of laparoscopic partial nephrectomy with three charge-coupled device (CCD) camera*. 102<sup>nd</sup> AUA; Poster, 2007
- 23) Singh A, **Alemozaffar M**, Novakovic K, Vira MA, Coleman J, Pinto PA. *Laparoscopic management of vascular complications in urologic surgery*. 102<sup>nd</sup> AUA; Video, 2007
- 24) **Alemozaffar M**, Josephson J, Coleman J, Pinto PA. *Surgical techniques to aid in laparoscopic radical prostatectomy*. 101<sup>st</sup> AUA; Video, 2006
- 25) Vira M, Lee S, Kansal N, Dhanani N, **Alemozaffar M**, Coleman J, et al: *Laparoscopic partial nephrectomy for multiple renal tumors*. 101<sup>st</sup> AUA; Video, 2006
- 26) Lam J, Shvarts O, **Alemozaffar M**, Kim K, Wang J, Pantuck AJ, et al. *Nephron-sparing surgery as the new gold standard for T1 ( $\leq 7$  cm) renal cell carcinoma*. 99<sup>th</sup> AUA; Poster, 2004
- 27) **Alemozaffar M**, Kim H, Han K, Shvarts O, Belledgrun A. *Safety and efficacy of partial nephrectomy in treating renal cell carcinoma*. Western Student Medical Research Forum; Poster, 2003
- 28) **Alemozaffar M**, Johnson R. *Effects of metabolic inhibition of glycolysis and the electron transport chain on aging*. Senior Honors Thesis Symposium, UCSD; Podium, 2002
- 29) **Alemozaffar M**, Johnson R. *Development of a transgenic mouse with hypoxia response element linked to luciferase reporter*. Faculty Mentor Research Program Symposium, UCSD; Poster, 2001

### BOOK CHAPTERS

- 1) **Alemozaffar M**, Daneshmand M. *Nephron-sparing surgery for localized upper tract urothelial carcinoma*. International consultation of urological diseases. In preparation
- 2) **Alemozaffar M**, Sanda M. *Quality of life after treatment for early stage prostate cancer*. In: Vogelzang NJ, Scardino PT, Zelefsky MJ, Linehan WM, editors. *Comprehensive textbook of genitourinary oncology*. 4th ed.
- 3) **Alemozaffar M**, Das A. *Injection therapy for refractory overactive bladder*. In: Smith A, Preminger G, Badlani G, Kavoussi L, editors. *Smith's textbook of endourology*. 3rd ed.
- 4) Chang P, **Alemozaffar M**, Sanda M. *Assessing of quality of life: Surgery versus Radiation*. In: Klein EA, editor. *Management of prostate cancer*. 3rd ed.

### GRANTS

- 1) Wagner A, **Alemozaffar M**, Gautam S, Matthes K, Narayanan R, Nguyen H. *A Novel and Economical High-Fidelity Robot-Assisted Radical Prostatectomy Simulator*. 2010  
- Intuitive Surgical research grant, \$30,000

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## TEACHING EXPERIENCE

**Urology Resident Training Course in Robotic Surgery**, *Beth Israel Deaconess Medical Center* 5/12  
**Urologic Care for the Hospitalist**, *Brigham and Women's Hospital*, Seminar Instructor 1/10  
**Genitourinary Curriculum**, *Harvard Medical School*, Small Group Instructor 11/08-11/10  
**Teaching Assistant**, *UCSD Dept. of Biology* 9/00-06/02

## VOLUNTEER ACTIVITIES AND OUTREACH

**Association of American Medical Colleges**, *UCLA School of Medicine* Representative 9/03-6/07  
**Flying Doctors of Mercy (LIGA)**, *UCLA School of Medicine*, Coordinator 2/03-7/05  
**University of California/Mexico Medical Exchange Program** 8/03-9/03  
**Student Health Services**, *UCSD*, HIV Counselor, Advocate, Clinic Coordinator 9/00-6/02  
**Student Tobacco Outreach Program (S.T.O.P.)**, Founder and President 9/99-6/02

## MEMBERSHIPS / LICENSES

Candidate American Urologic Association  
Society of Urologic Oncology

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Georgia Medical License — 072548

## JOURNAL REVIEWER

Journal of Urology, Urologic Oncology, Prostate Cancer and Prostatic Diseases

## LANGUAGES

English, Farsi, Spanish