

Manuel Stephen Eisenberg, M.D.

CIRRICULUM VITAE

Ironwood Cancer & Research Centers a Division of Ironwood Physicians, PC

- Experience: Ironwood Cancer & Research Centers 8/2014 – Present
Phoenix, Arizona
Medical Oncology
- Education: University of California, Berkeley 9/1/1995 – 12/20/1999
Berkeley, California
Degree: Bachelor of Arts in Molecular and
Cell Biology, Emphasis in Cell Developmental Biology
- University of California, San Francisco 9/10/2001 – 6/15/2005
San Francisco, California
Degree: Medical Doctorate
- University of Southern California 7/1/2006 – 6/30/2007
Dept of General Surgery
Surgical Internship
- University of Southern California 7/1/2007 – 6/30/2012
USC Institute of Urology
Urology Residency
- Mayo Clinic 7/1/2012 – 6/30/2013
Rochester, Minnesota
Degree: Center for Translational Science
Activities, Postdoctoral Certificate
- Mayo Clinic 7/1/2012 – 6/30/2014
Rochester, Minnesota
Urologic Oncology Fellowship (SUO accredited)
- Mayo Clinic 7/1/2013 – 6/30/2014
Rochester, Minnesota
Instructor of Urology
- Licensure:
- Medical Board of California
Physician and Surgeon: 2007
- Medical Board of Minnesota
Physician and Surgeon: 2012

Academic Honors and Awards:

Alpha Omega Alpha - Medical Honor Society	2004
Urology Resident Teaching Award	2008
Intern Educator of the Year – 1 st runner up	2007
Urology, Sub-Internship - Honors	2004
Internal Medicine, Sub-Internship - Honors	2005
Surgical ICU, Senior Rotation- Honors	2005
Anesthesia-Perioperative Care - Honors	2004
Surgery, Core-Rotation - Honors	2003
Internal Medicine, Core-Rotation - Honors	2004
Neurology, Core-Rotation - Honors	2004
OB/GYN, Core-Rotation - Honors	2003
Psychiatry, Core-Rotation - Honors	2004
Anesthesia, Core-Rotation - Honors	2005
UCSF Student Research Fellowship	2002
UCSF School of Medicine Dean's Scholarship	2001-2003
University of California Regents Scholarship	1995-1999
American Chemical Society Scholarship	1995-1996

Publications:

Peer Reviewed:

Eisenberg MS, Thompson RH, Frank I, Kim SP, Cotter KJ, Tollefson MK, Kaushik D, Thapa P, Tarrell R, Boorjian SA. Long-term Renal Function Outcomes After Radical Cystectomy. J Urol 2013 [Epub ahead of print]

Kaushik D, Frank I, **Eisenberg MS**, Cheville JC, Tarrell R, Thapa P, Thompson RH, Boorjian SA. Gender-Specific Survival Following Radical Cystectomy for pT4 Bladder Cancer. World J Urol 2013 [Epub ahead of print]

Eisenberg MS, Boorjian SA, Cheville JC, Thompson RH, Thapa P, Kaushik D, Frank I. The SPARC (Survival Prediction After Radical Cystectomy) Score: A Multifactorial Outcome Prediction Model for Patients Undergoing Radical Cystectomy for Bladder Cancer. J Urol 2013 [Epub ahead of print]

Eisenberg MS, Leibovich BC, Kim SP. Addressing Disparities in Urologic Oncology. Eur Urol 2013 Oct;64(4):e84-5

Eisenberg MS, Karnes RJ, Kaushik D, Rangel L, Bergstralh EJ, Boorjian SA. Risk Stratification of Patients with Extraprostatic Extension and Negative Lymph Nodes at Radical Prostatectomy: Identifying Optimal Candidates for Adjuvant Therapy. J Urol 2013 [Epub ahead of print]

Eisenberg MS, Leibovich BC, Kim SP. The Continuing Evolution of Health Disparities Research. Cancer 2013 Aug 15;119(16):3100

Eisenberg MS, Cheville JC, Thompson RH, Kaushik D, Lohse CM, Boorjian SA, Costello BA, Leibovich BC. Association of Microvascular and Capillary-Lymphatic Invasion with Outcome for Patients with Renal Cell Carcinoma. *J Urol* 2013;190(1):37-43

Kaushik D, Karnes RJ, **Eisenberg MS**, Rangel LJ, Carlson RE, Bergstralh EJ. Effect Of Metformin On Prostate Cancer Outcomes After Radical Prostatectomy. *Urol Oncol* 2013 [Epub ahead of print]

Kaushik D, Linder BJ, Thompson RH, **Eisenberg MS**, Lohse CM, Cheville JC, Leibovich BC, Boorjian SA. The Impact of Histology on Clinicopathologic Outcomes for Patients With Renal Cell Carcinoma and Venous Tumor Thrombus: A Matched Cohort Analysis. *Urology* 2013 [Epub ahead of print]

Gill IS, Patil MB, Abreu AL, Ng C, Cai J, Berger A, **Eisenberg MS**, Nakamoto M, Ukimura O, Goh AC, Thangathurai D, Aron M, Desai MM. Zero ischemia anatomical partial nephrectomy: a novel approach. *J Urol* 2012 Mar;187(3):807-14

Ng CK, Gill IS, Patil MB, Hung AJ, Berger AK, de Castro Abreu AL, Nakamoto M, **Eisenberg M**, Ukimura O, Thangathurai D, Aron M, Desai MM. Anatomic renal artery branch microdissection to facilitate zero-ischemia partial nephrectomy. *Eur Urol* 2012 Jan;61(1):67-74

Dorin RP, Daneshmand S, **Eisenberg MS**, Chandrasoma S, Cai J, Miranda G, Nichols PW, Skinner D, Skinner EC. Lymph Node Dissection Technique is More Important than Lymph Node Count in Identifying Nodal Metastases in Radical Cystectomy Patients - A Comparative Mapping Study. *Eur Urol* 2011 Nov;60(5):946-52

Eisenberg MS, Patil MB, Gill IS. Innovations in Laparoscopic and Robotic Partial Nephrectomy: A Novel "Zero Ischemia" Technique. *Curr Opin Urol*. 2011 Mar;21(2):93-98

Gill IS, **Eisenberg MS**, Aron M, Berger A, Ukimura O, Patil MB, Campese V, Thangathurai D, Desai MM. "Zero Ischemia" Partial Nephrectomy: Novel Robotic & Laparoscopic Technique. *Eur Urol* 2011 Jan;59(1):128-134

Koh CJ, De Filippo RE, Chang AY, Hardy BE, Berger A, **Eisenberg MS**, Patil MB, Aron M, Gill IS, Desai MM. Laparo-Endoscopic Single Site Nephrectomy in Pediatric Patients: Initial Clinical Series from Infants to Adolescents. *Urology* 2010 Dec;76(6):1457-61

Eisenberg MS, Dorin RP, Bartsch G, Cai J, Miranda G, Skinner EC. Early Complications of Cystectomy Following High Dose Pelvic Radiation. *J Urol* 2010 Dec;184(6):2264-9

Eisenberg MS, Brandina R, Gill IS. Current Status of Laparoscopic Partial Nephrectomy. *Curr Opin Urol*. 2010 Sept;20(5):365-70

Eisenberg MS, Cadeddu JA, Desai MM. Laparoendoscopic single-site surgery in urology. *Curr Opin Urol*. 2010 Mar;20(2):141-7.

Ignatov AP, **Eisenberg MS**, Turek PJ. Paternity after directed collection of testicular sperm for in vitro fertilization after BMT for hematological malignancies. *Bone Marrow Transplant*. 2010 Jan

Eisenberg MS, Meng MV, Master VA, Stoller ML, Rini BI, Carroll PR, Kane CJ. Laparoscopic versus Open Cytoreductive Nephrectomy in Advanced Renal Cell Carcinoma. *J Endourol*. 2006 Jul;20(7):504-8.

Whetstone WD, Hsu JY, **Eisenberg M**, Werb Z, Noble-Haesslein LJ. Blood-spinal cord barrier after spinal cord injury: relation to revascularization and wound healing. *J Neurosci Res*. 2003 Oct 15; 74(2):227-39.

Book Chapters:

Eisenberg MS, Brandina R, Gill IS. Laparoscopic Partial Nephrectomy. In: *Comprehensive Textbook of Genitourinary Oncology 4th Edition*. Edited by Vogelzang NJ, Scardino PT, Shipley WU, Debruyne FMJ, Linehan WM. Philadelphia. Lippincott Williams & Wilkins; 2010 xx-xx

Podium Presentations:

Society of Urologic Oncology Annual Meeting 2013

- Salvage Radiation Therapy is Associated with Decreased Risk of Metastases and Death from Prostate Cancer Among Patients with Biochemical Recurrence After Radical Prostatectomy

North Central Section of AUA, Annual Meeting 2013

- Long-term Renal Function Outcomes After Radical Cystectomy
- Evaluation of an Association of Coagulative Tumor Necrosis with Outcome in Patients Undergoing Radical Cystectomy for Bladder Cancer

Los Angeles Urological Society, John P Stein MD Memorial Resident Research Forum 2010

- Late complications following Salvage Cystectomy
- Incidence of Lymph Node Metastases above the Iliac Bifurcation in Patients Undergoing Radical Cystectomy with Extended Pelvic Lymph Node Dissection (2nd Author)

American Urological Association Annual Meeting 2010

- Cystectomy After High Dose Pelvic Radiation Following: Does Type of Urinary Diversion Affect Late Complications?

American Urological Association Annual Meeting 2010

- Location of Lymph Node Metastases in Bladder Cancer – A Prospective Study of 408 Patients Undergoing Radical Cystectomy with Extended Lymph Node Dissection (2nd Author)

Kaiser Permanente, Los Angeles - Grand Rounds 2004

- Laparoscopic versus Open Cytoreductive Nephrectomy in Advanced Renal Cell Carcinoma

National Coronary Artery Risk Development in Young Adults (CARDIA) - Annual Conference 2002

- Neighborhood Effects on Blood Pressure

Poster Presentations:

Society of Urologic Oncology Annual Meeting 2013

- Is an eGFR <60mL/min/1.73m² a Contraindication to Continent Urinary Diversion?

American Urological Association Annual Meeting 2013

- SPARC (Survival Prediction After Radical Cystectomy): A Multifactorial Outcome Prediction Model for Patients Undergoing Radical Cystectomy for Bladder Cancer
- Association of Microvascular and Capillary-Lymphatic Invasion with Outcome for Patients with Renal Cell Carcinoma
- Comparative Impact of Seminal Vesical Invasion versus Lymph Node Metastases on Survival for Patients Following Radical Prostatectomy
- Risk Stratification of Patients with Extracapsular Extension (pT3aN0) at Radical Prostatectomy: Identifying Optimal Candidates for Adjuvant Therapy

Society of Urologic Oncology Annual Meeting 2012

- Association of Microvascular and Capillary-Lymphatic Invasion with Outcome for Patients with Renal Cell Carcinoma
- Impact of Postoperative Complications on Primary Admission Length and Readmission Rate after Post-Radiation Radical Cystectomy

American Urological Association Annual Meeting 2011

- “Zero-Ischemia” Partial Nephrectomy: Novel Laparoscopic & Robotic Technique
- Renal Function Following Radical Cystectomy and Orthotopic Ileal Neobladder
- Robotic Assisted “Zero-Ischemia” Laparoscopic Partial Nephrectomy: Initial experience (2nd Author)

World Congress of Endourology 2010

- “Zero-Ischemia” Hypotensive Partial Nephrectomy: Novel, Clamp-Free Robotic & Laparoscopic Technique

- Engineering & Urology Society Annual Meeting 2010
- Potassium Titanium Oxide Phosphate Laser Robotic-Assisted Laparoscopic Partial Nephrectomy: Initial Clinical Experience in the Unclamped Kidney
- American Society of Clinical Oncology, Genitourinary Cancers Symposium, Annual Meeting 2010
- Early complications after cystectomy for high dose radiation failure
 - Proximal extent of lymph node metastasis and other independent prognostic indicators in 162 lymph node positive patients undergoing radical cystectomy with extended lymph node dissection for bladder cancer (2nd Author)
- American Urological Association, Western Section, Annual Meeting 2009
- Stepwise Progression Toward First Successful Hybrid NOTES Transvaginal Nephrectomy
 - Computer-Aided Diagnosis of Solid Renal Masses Using CT Images
- American Urological Association Annual Meeting 2004
- Comparison of Standard and Invagination Microscopic Epididymovasostomy Techniques for Idiopathic Obstructive Azoospermia. (2nd Author)
- UCSF Student Research Poster Presentation 2002
- Neighborhood Effects on Blood Pressure

Video Presentations:

- American Urological Association, Western Section, Annual Meeting 2010
- "Zero-Ischemia" Hypotensive Laparoscopic Partial Nephrectomy
- World Congress of Endourology 2010
- LaparoEndoscopic Single Site (LESS) Nephrectomy in Children (2nd Author)
- American Urological Association Annual Meeting 2010
- LaparoEndoscopic Single Site (LESS) Nephrectomy in Children: From Infants to Adolescents (2nd Author)
 - Urethral Reconstruction of Complicated Intractable Posterior Urethral Stricture (2nd Author)

Other Research Experience:

- UCSF ICU Research 6/2005-6/2006
- Performed Data Abstraction of ICU patient records and assisted in the creation of ICU quality measures for the California Intensive Care Outcomes (CALICO) project, which are used to develop reports of hospital specific ICU quality
- UCSF Student Summer Research Fellowship 2002
- Retrospective cohort study evaluating the implications of community characteristics on measures of chronic stress and cardiovascular health. PI: Dr. Nancy Adler

Staff Research Associate – UCSF Dept. of Neurological Surgery 2000-2001

Developed a novel technique (Luciferase assay) for quantification of spinal cord injury. Performed microscope assisted spinal surgery on experimental specimens, DNA isolation and purification, colony genotyping by use of zymography and PCR, and analysis of injured spinal cord tissue using immunohistochemical techniques. PI: Linda Noble, PhD and Dr. William Whetstone

Research Assistant-USDA: Plant Gene Expression Center, Albany, CA 1998-2000

Assisted post-doctoral scientists with projects pertaining to plant genetics. Performed DNA/RNA extraction and purification, analysis of DNA/RNA through restriction enzyme digestion, gel electrophoresis, Southern/Northern blotting, and PCR as well as bacterial cell culture, transformation, and plasmid extraction.

Research Assistant – California State University, Los Angeles, CA 1994-1995

Assisted post-doctoral scientists with the investigation of *Halobacterium helobium* light absorptive properties and stimulation by laser excitation.

Volunteer Experience:

Founding Committee Member- UCSF Clinica Martin-Baro 2004-2005

Rural Community Clinic in Quetzaltenango, Guatemala 2005

Latino Medical Student Association 2001-2005

UCSF Children's Health Hut 2001-2002

UCSF Homeless Clinic 2001-2002

LeConte Elementary School 4th Grade Tutor and Mentor
Berkeley, CA 1997-1998

Interests Outside of Medicine:

Raising my 3 children, snowboarding, golf, basketball, and jogging