

Michael C. Ost, M.D.

Education

The University of Michigan Ann Arbor, MI
Bachelor of Science with Distinction, May 1993
Major in Anthropology

The Mount Sinai School of Medicine New York, NY
Doctor of Medicine, May 1998

Residency Training

The Mount Sinai Medical Center
Department of Surgery New York, NY
Surgery Resident, July 1998 – June 2000

The Mount Sinai Medical Center
Department of Urology New York, NY
Urology Resident, July 2000 – June 2004

Fellowship Training

The North Shore- Long Island Jewish Medical Center
Department of Urology New Hyde Park, NY
Endourology/Laparoscopy Fellow, July 2004 – June 2006

Children's Hospital of Pittsburgh
The University of Pittsburgh Department of Urology
Pittsburgh, PA
Pediatric Urology Fellow, July 2006 – June 2007

Journal Publications

Ost MC, Patel KP, Rastinehad AR, Chu P, Anderson AE, Smith AD, and Lee BR. Pneumoperitoneum with CO₂ Inhibits Local Macrophage TNF- α Secretion: An Etiology for Transitional Cell Carcinoma Port Site Metastasis and Prophylactic Irrigation Strategies to Decrease Laparoscopic Oncological Risks. *Accepted for publication J Endourol* 2006

Rastinehad AR, M **Ost MC**, Lee RR, and Smith AD. A 20 Year Experience with Adjuvant BCG Treatment Treatments for Upper Tract Transitional Cell Carcinoma. *Submitted for publication*

J Urol

Kaye JD, **Ost MC**, Eisenberg ER, Amrute KV, and Badlani GH. High Energy TUMT vs TURP: A Meta-Analysis of Subjective and Objective Outcomes. *Submitted for publication* Neurourology and Urodynamics

Ost MC and Smith AD. Editorial Comment – Survey of Resident training in Robotics and Laparoscopy. J Urol, November 2006

Kaye JD, **Ost MC**, Eisenberg ER and Smith AD. Editorial Comment – Counterpoint: Crossing vessels are not an important etiology of UPJ obstruction and do not adversely influence the outcomes of corrective procedures . Nature Clinical Practice Urology 2006

Hafron JM, **Ost MC**, Tan BJ, Fogarty JD, Hoenig DM, Lee BR, and Smith AD. Novel Dual Lumen Ureteral Stents Provide Better Ureteral Flow than One Single Ureteral Stent in an Ex Vivo Porcine Kidney Model of Extrinsic Ureteral Obstruction. *Accepted for publication*; Urology; October 2006

Ost MC . Endourology - A Practical Handbook: J Endourol. 2006 Jun;20(6):443

Ost MC, Vanderbrink BA, Smith AD, and Lee BR. Hand Pain During Hand Assisted Laparoscopic Nephrectomy (HALN): An Ischemic Event?: J Urol 2006;176(1):149-54

Ost MC and Lee BR. Urolithiasis in Patients with Spinal Cord Injuries: Risk Factors, Management, and Outcomes. Curr Opin Urol 2006; 16: 93-99

Ost MC and Smith AD. Editorial Comment – Intraoperative Fragment Detection During Percutaneous Nephrolithotomy: Evaluation of High Magnification Rotational Fluoroscopy Combined With Aggressive Nephroscopy. J Urol 2006; 175: 165

Ost MC, Tan BJ, and Lee BR. Urologic Laparoscopy: Basic Physiologic Considerations and Immunologic Consequences. J Urol 2005; 174: 1183-8

Ost MC, Kaye JD, Guttman MJ, Lee BR, and Smith AD. Laparoscopic Pyeloplasty versus Antegrade Endopyelotomy: Comparison in 100 Patients and a New Algorithm in the Minimally

Invasive Treatment of Ureteropelvic Junction Obstruction. *Urology* 2005; 66(5A): 47-51

Tan BJ, Dy JS, Chui PY, Mathura SA, **Ost MC**, Kushner L, Smith AD, and Lee BR. Effects of Pneumoperitoneal Gases and Pressures on Transitional Cell Carcinoma Adhesion, Growth, Apoptosis, and Necrosis: An *In-vitro* Study. *J Urol* 2005, 174: 1463-7

Ost MC, VanderBrink BA, Lee BR, and Smith AD. Endourologic Treatment of Upper Urinary Tract Transitional Cell Carcinoma. *Nature Clinical Practice Urology*; August 2005; 2(8): 3-8

Tan BJ, **Ost MC**, and Lee BR. Laparoscopic Nephroureterectomy with Bladder-Cuff Resection: Techniques and Outcomes. *J Endourol* 2005; July/August 19(6): 664-676

Cardozo CP, Michaud C, **Ost MC**, Fliss AE, Yang E, Patterson C, Hall SJ, and Caplan AJ. C-terminal Hsp-interacting protein slows androgen receptor synthesis and reduces its rate of degradation. *Archives of Biochemistry and Biophysics*, **410**: 134-40, 2003

Ost MC and Schlüssel RN. A Congenital Scrotal Mass Consistent With An Adnexal Polyp of Neonatal Skin. *Urology*, **59(4)**: 600, 2002

Klausner AP, **Ost MC**, Waterhouse RL, and Savage SJ. Occult Renal Cell Carcinoma In A Patient With Polymyositis. *Urology*, **59(5)**: 373, 2002

Chapters and Other Publications

Ost MC and Kavoussi LR. Image Guided Percutaneous Treatment of Renal Masses- Cryoablation and Radiofrequency Ablation. *AUA Update Series*, 2007

Kaye JD and **Ost MC**. Management of UPJO in 2006. *Smith Textbook of Endourology*, 2nd Ed 2006; Decker-London *In Press*

Rastinehad AR, **Ost MC**, and Marcovich R. Adjuvant Treatments for Upper Tract Transitional Cell Carcinoma. *Smith Textbook of Endourology*, Ed 2006; Decker-London *In Press*

Ost MC and Lee BR. Radiofrequency Ablation of Renal Masses. In: de la Rosette J (ed): *Renal Cell Cancer*. London, Springer-Verlag, 2006; *In Press*

Gupta M, **Ost MC**, Shah J, and Smith AD. Percutaneous Management of the Upper Urinary Tract. In: Wein AJ (ed):

Campbell-Walsh Urology, ed 9. Philadelphia, Elsevier, 2006 *In Press*

Ost MC and Smith AD. Laparoscopic Pyeloplasty: Current Status – Editorial: In :Textbook of Laparoscopic Urology, Gill IS (ed): Marcel Dekker, 2006; *In Press*

VanderBrink BA, **Ost MC**, and Lee BR. Reconstructive Laparoscopic Urology – Past, Present, and Future: Atlas On Laparoscopic and Reconstructive Urology, Spain, 2006, *In Press*

Kaye JD, **Ost MC**, and Smith AD. Techniques and Complications of Percutaneous Surgery: Atlas On Laparoscopic and Reconstructive Urology, Spain, 2006, *In Press*

Tan BJ, **Ost MC**, Marcovich R, and Smith AD: Minimally Invasive Management of Upper Tract Transitional Cell Carcinoma. In: Recent Advances In Endourology – Endourological Management of Urogenital Carcinoma, Tomita M (ed): Vol 7, Tokyo, Springer-Verlag, 2005

Ost MC, Savage SJ. Laparoscopy versus Open Surgery For Nephroureterectomy In Treatment of Upper Tract Urothelial Cancer: American Cancer Society Atlas of Clinical Oncology – Urothelial Tumors, Droller MJ. Hamilton (ON): BC Decker Inc; 2004.

Ost MC, Eisenberg ER, and Badlani GH. High Energy TUMT Approaching TURP In Outcome Efficacy: AUA News, August 2005: 10(5): 6-7

Ost MC. Margin Rates for Robotic RP Similar To Open Approach, Urology Times, February 2005: 33(2): 6

Ost MC. Robotic RP Technique Helps Preserve Sexual Function, Urology Times, February 2005: 33(2): 6

Ost MC. Searching for What Makes Prostate Cancer Cells Grow. Family Urology, Vol III, Issue 1: 3-4, 1998

**Abstracts &
Presentations**

MC Ost, S Montag, S Permpongkosol, AR Rastinehad, and LR Kavoussi: Predictors of Hemorrhage Following Laparoscopic Partial Nephrectomy (LPN). J Endourol 2006; 20 (Supp 1): A12

MC Ost, BA VanderBrink, and LR Kavoussi: Laparoscopic

Retroperitoneal Lymph Node Dissection (LRLND) For High Risk Pediatric Patients With Para-Testicular Rhabdomyosarcoma. J Endourol 2006; 20 (Supp 1): A236

Ost MC, Patel KP, Rastinehad AR, Chu P, Anderson AE, Smith AD, and Lee BR. Pneumoperitoneum with CO₂ Inhibits Local Macrophage TNF- α Secretion: An Etiology for Transitional Cell Carcinoma Port Site Metastasis and Prophylactic Irrigation Strategies to Decrease Laparoscopic Oncological Risks. J Endourol 2006; 20 (Supp 1): A69

MC Ost, L Richstone, R Thomas, AD Smith, and BR Lee: Laparoscopic Management of Symptomatic Stone Baring Caliceal Diverticula. J Endourol 2006; 20 (Supp 1): A158

LK Fossett, **MC Ost**, I Lobko, and AD Smith : Angiographic Findings In Patients With Persistent Renal Bleeding After Percutaneous Surgery J Endourol 2006; 20 (Supp 1): A17

AR Rastinehad, **MC Ost**, MJ Guttman, ER Eisenberg, BA VanderBrink, AD Smith, BR Lee: Utilizing A Flexible Laparoscope During Laparoscopic Nephrectomy and Partial Nephrectomy: Is There An Advantage Over A Rigid 30° Laparoscope. J Endourol 2006; 20 (Supp 1): A174

AR Rastinehad, **MC Ost**, Y Saffari, BA VanderBrink, BR Lee, and AD Smith: P53, P63, and Ki-67 Immunohistochemical Staining Are Not Prognostic Indicators For Superficial Upper Tract Transitional cell Carcinoma Progression. J Endourol 2006; 20 (Supp 1): A84

AR Rastinehad, **MC Ost**, KR Greenberg, BA VanderBrink, BR Lee, GH Badlani, and AD Smith: Recurrence of Upper Tract Transitional Cell Carcinoma In Renal Units Treated With Percutaneous Resection – 20 Year Experience. J Endourol 2006; 20 (Supp 1): A190

AR Rastinehad, **MC Ost**, KR Greenberg, BA VanderBrink, BR Lee, GH Badlani, and AD Smith: Renal Preservation In Upper Tract Transitional Cell Carcinoma In Renal Units Treated With Percutaneous Resection – 20 Year Experience. J Endourol 2006; 20 (Supp 1): A190

AR Rastinehad, DM Caplin, **MC Ost**, BA VanderBrink, EM Paul, I Lobko, GH Badlani, GH Weiss and DN Siegel: Selective Arterial Prostate Embolization (SAPE) For Refractory Hematuria of Prostatic Origin. J Endourol 2006; 20 (Supp 1): A197

MC Ost, BJ Tan, AD Smith, and BR Lee
Hand Pain During Hand Assisted Laparoscopic Nephrectomy
(HALN): An Ischemic Event? J Endourol 2005; 19 (Supp 1): A160

MC Ost, I Celebi, BJ Tan, AD Smith, and BR Lee
Laparoscopic Pyeloplasty for Secondary Ureteropelvic Junction
Obstruction: An Analysis of Outcomes. J Endourol 2005;
19 (Supp 1): A140

MC Ost, Tan BJ, AD Smith, and BR Lee. A Model For
Transitional Cell Carcinoma Port Site Metastasis. J Endourol 2005;
19 (Supp 1): A144

MC Ost, BJ Tan, AD Smith, and BR Lee. Injection of Bupivacaine
at Trocar Sites Does Not Decrease Post Operative Pain Following
Laparoscopy. J Endourol 2005; 19 (Supp 1): A160

MC Ost, BJ Tan, JM Hafron, DM Hoenig, BR Lee, and
AD Smith. Flow Characteristics of Novel “Oncologic” Ureteral
Stents: Are There Advantages Over Standard Double Pigtail
Stents? J Endourol 2005; 19 (Supp 1): A10

MC Ost, BJ Tan, Dy SJ et al. An *In Vito* Model To Determine
Effects of Carbon Dioxide on Transitional Cell Carcinoma Growth,
Apoptosis, and Necrosis: Prevention of Tumor Seeding. J Endourol
2005; 19 (Supp 1): A13

Ost MC and Smith AD. High Energy TUMT Meta-Analysis:
Effectiveness of Various Machines & Update On Published
Results. Symposium Presentation at 22nd World Congress On
Endourology and Shockwave Lithotripsy. Mumbai, India,
November 2004 and EUS 2005

Tan BJ, Dy JS, Chui PY, Mathura SA, **Ost MC**, Smith AD, and
Lee BR. Prevention of Laparoscopic Metastasis: A Study of
Different Pneumoperitoneal Gases and Pressures on Transitional
Cell Carcinoma Adhesion, Cell Growth, Apoptosis, and Necrosis.
Poster Presentation at 22nd World Congress On Endourology and
Shockwave Lithotripsy. Mumbai, India, November 2004 and AUA
2005

McWilliams GW, **Ost MC**, Borin J, and Gans W. Laparoscopic
Nephrectomy for Renal Medullary Carcinoma. Poster Presentation
at 21st World Congress On Endourology and Shockwave

Lithotripsy. Montreal, Canada September 2003

Savage SJ, **Ost MC**, Droller MJ, and Liu BCS. Receptor and Post Receptor Mechanisms of TGF- β 1 Resistance In Human Prostate Cancer Cells. Surgical Forum Podium Presentation at American College of Surgeons annual meeting. Orlando, FL October 1998

Savage SJ, **Ost MC**, Droller MJ, and Liu BCS. Receptor and Post Receptor Mechanisms of TGF- β 1 Resistance In Human Prostate Cancer Cells. Poster Presentation at American Urological Association annual meeting. San Diego, CA June 1998

Videos

Ost MC, Lee BR, and Smith AD. Problems and Solutions With Stone Extraction During Percutaneous Nephrolithotomy. J Endourol 2005; 19 (Supp 1): A242

Ost MC, Lee BR, and Smith AD. Complications and Resolutions of Percutaneous Puncture. J Endourol 2005; 19 (Supp 1): A241

Ost MC, Smith AD, and Lee BR. Laparoscopic Pyeloplasty Following Endopyelotomy. J Endourol 2005; 19 (Supp 1): A245

AR Rastinehad, ER Eisenberg, **Ost MC**, and LR Kavoussi: The Institute of Urology North Shore – Long Island Jewish Health System Technique For Laparoscopic Adrenalectomy. J Endourol 2006; 20 (Supp 1): A302

Lectures, Post-Graduate Courses & Journal Appointments

Faculty – Resident Laparoscopy Course. The Cleveland Clinic Foundation. Cleveland, OH, April 2005

Faculty- Percutaneous Renal Surgery. Post-Graduate Course, American Urological Association, San Antonio, TX, May 2005

Faculty- Pediatric Laparoscopic Reconstructive Urology. Instructional Course, American Urological Association, Atlanta, GA, May 2006

Assistant- Hands on Percutaneous Renal Surgery. Instructional

Course, American Urological Association, Atlanta, GA, May 2006

Faculty- Pediatric Stone Management, Imaging Take Home Message, 23rd World Congress On Endourology and Shockwave Lithotripsy. Amsterdam. Netherlands, August 2005

Faculty- Fellowship Forum, Endourology Highlights, 24th World Congress On Endourology and Shockwave Lithotripsy. The Cleveland Clinic Foundation. Cleveland, OH, August 2006

Reviewer – Urology

Reviewer – Journal of Endourology

Awards

July 2006 – 1st Prize: Endourology Fellowship Essay Contest, Basic Science. “Pneumoperitoneum with CO₂ Inhibits Local Macrophage TNF- α Secretion: An Etiology for Transitional Cell Carcinoma Port Site Metastasis and Strategies to Decrease Oncological Risks”

May 2003 – The Pfizer Scholars In Urology Award

March 2002 - 1st prize winning presentation in laboratory investigation at the Ferdinand C. Valentine Urology Residents Essay Meeting, the New York Section of the American Urological Association. “Over-Expression of the Novel Co-Chaperone Protein CHIP Suppresses Growth of Prostate Cancer Cells Through Androgen Receptor Degradation”

March 1998 – 3rd prize winning presentation in laboratory investigation at the Ferdinand C. Valentine Urology Residents Essay Meeting, the New York Section of the American Urological Association. “Receptor and Post-Receptor Mechanisms of TGF- β 1 Resistance In Human Prostate Cancer Cells”

May 1997 – American Foundation for Urologic Disease – American Urological Association Circon ACMI Summer Scholar Fellowship

Award

Grants

January 2006- International Volunteers In Urology, Inc.
Binh Dan Hospital, Ho Chi Minh City, Vietnam: \$2,500

July 2003 - Merck Resident Education Grant: \$ 20,000

Professional Membership

American Urological Association

Endourological Society