

MARC A. BJURLIN, DO, MSc, FACOS

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EDUCATION

Year	Degree	Field/Specialty	Institution
2018- Present		Empirical Clinical Research Investigator Program	NYU Department of Population Health, New York, New York
2012-2014	MSc	Clinical Investigation	NYU School of Medicine, New York, New York
2012-2014		Urologic Oncology Fellowship	NYU Langone Medical Center, New York, New York
2011-2012		Chief Resident Urology	Cook County Health and Hospitals System, Chicago, Illinois
2008-2011		Urology Residency	Cook County Health and Hospitals System, Chicago, Illinois
2007-2008		Surgery Residency	St. James Hospital and Health Centers, Olympia Fields, Illinois
2006-2007		Internship	Advocate Illinois Masonic Medical Center, Chicago, Illinois
2002-2006	DO	Osteopathic Medicine	Midwestern University, Downers Grove, Illinois
1999-2001	BA	Philosophy	University of Minnesota, Minneapolis, Minnesota
1998		Philosophy	King's College, London England
1997		Philosophy	University of Westminster, London England
1993-1998	BA	Biology, Chemistry, Honors Program	Augsburg College, Minneapolis, Minnesota

PROFESSIONAL EXPERIENCE

Year	Position	Rank	Hospital
2018- Present	Attending Urologist	Nominated Clinical Associate Professor of Urology	University of North Carolina, Chapel Hill, North Carolina
2016-2018	Director of Urologic Oncology	Assistant Professor of Urology	NYU Langone Hospital - Brooklyn, New York
2014-2015	Director of Urologic Oncology		St. Barnabas Hospital and Health System, Bronx, New York
2014-2015	Attending Urologist		Bronx Lebanon Hospital Center, Bronx, New York
2012-2014	Attending Urologist	Clinical Instructor of Urology	NYU Langone Medical Center, New York, New York
2012-2014	Attending Urologist	Clinical Instructor of Urology	Bellevue Hospital Center, New York, New York Veterans Administration New York Harbor Healthcare System, NY

HONORS

Year	Name of Award
2018	Best Paper 2017: Central European Journal of Urology
2017	Super Doctors Rising Star – New York
2013	Best Abstract 14th Annual Meeting of the Society of Urologic Oncology
2012	Chicago Urological Society Huggins Resident Essay Contest, 2 nd Place
2011	Chicago Committee on Trauma of the American College of Surgeons Resident Paper Competition, 2 nd Place
2011	IVU Med Scholarship Recipient
2011	Resident Achievement Award American College of Osteopathic Surgeon
2010	Chicago Urological Society Huggins Resident Essay Contest, 2 nd Place
2010	Chicago Urological Society Irving J. Shapiro X-ray Conference, 1 st Place
2010	Annual Clinical Assembly of Osteopathic Specialists Resident Poster Competition, 1 st Place
2010	Chicago Urological Society Huggins Resident Essay Contest, 2 nd Place.
2009	Chicago Urological Society Irving J. Shapiro X-ray Conference, 3 rd Place
2009	Chicago Committee on Trauma of the American College of Surgeons Resident Paper Competition, 2 nd Place
2009	Erwin Literary Award, Annual Clinical Assembly of Osteopathic Surgeons
2008	Chicago Urological Society Huggins Resident Essay Contest, 2 nd Place
2008	Annual Clinical Assembly of Osteopathic Specialists Resident Poster Competition, 1 st Place
2006	St. James Hospital and Health Centers Medical Staff Award Recipient
2005	Chicago College of Osteopathic Medicine Scholarship Recipient
2003	Sigma Sigma Phi National Honorary Osteopathic Service Fraternity
2000	Woodbridge Philosophy Scholarship Recipient
1996	3M Chemistry Scholarship Recipient
1994	Regent's Scholarship Recipient

BIBLIOGRAPHY AND PRODCUTS OF SCHOLARSHIP

Books and Chapters

1. Bjurlin MA. Infectious Complications. In *Taneja's Complications of Urologic Surgery: Prevention and Management*, Editors: Samir S. Taneja and Ojas Shah. 2018, 82-91.
2. Bjurlin MA, Taneja SS. Complications of Laparoscopic/Robotic Nephrectomy and Partial Nephrectomy. In *Taneja's Complications of Urologic Surgery: Prevention and Management*, Editors: Samir S. Taneja and Ojas Shah. 2018, 346-361.
3. Bjurlin MA, Taneja SS. Complications of Open Partial Nephrectomy. In *Taneja's Complications of Urologic Surgery: Prevention and Management*, Editors: Samir S. Taneja and Ojas Shah. 2018, 397-409.
4. Press B, Bjurlin MA, Taneja SS. Evaluation and treatment for older men with an elevated PSA in *Prostate Cancer: Clinical Case Scenarios*, edited by Drs. Sam S. Chang and Michael S. Cookson. 2018, 21-41.

5. Bjurlin MA, Taneja SS, Rosenkrantz AB. An Introduction to Prostate Cancer: Clinical Considerations. In *MRI of the Prostate: A Practical Approach*, Editor: Andrew Rosenkrantz. 2017.1-10.

6. Bjurlin MA, Fantus RJ. Retroperitoneal Injuries: Kidney and Ureter. In *Current Surgical Therapy*, Editors: John L. Cameron, Andrew M. Cameron. 2017. 1200-1209.

7. Bjurlin MA, Taneja SS. Prediagnostic Risk Assessment with Prostate MRI and MRI-Targeted Biopsy. *Urol Clin North Am*. 2017; 44:535-546.

8. Bjurlin MA, Taneja SS. Prostate Cancer. *Urol Clin North Am*. 2017; 44: xv-xvi.

9. Bjurlin MA, Mendhiratta N, Taneja SS. Multiparametric MRI of the prostate as a tool for prostate cancer detection, localization, and risk assessment. In *The Prostate Cancer Dilemma: Selecting Patients for Active Surveillance, Focal Ablation and Definitive Therapy*, Editors: Nelson Stone and E. David Crawford. 2016.107-126.

Books and Chapters In Press/Submitted- Need the year it was submitted/in press as well as the total number of typed pages i.e. 15 typed pages

1. Press BH, Taneja SS, Bjurlin MA. Controversies in Prostate Cancer Disgnosis and Management. In *Design and Implementation of the Modern Men's Health Center*. Alukal, Lamm and Walsh, eds. In Press.

2. Taneja SS, Bjurlin MA. Active Management Strategies for Localized Prostate Cancer. *Campell's-Walsh Urology*.

Refereed Papers/Articles

1. Meng X, Chao B, Vijay V, Silver H, Margolin EJ, Balar A, Taneja SS, Shah O, Bjurlin MA, Anderson CB, Huang WC. High Response Rates to Neoadjuvant Chemotherapy in High Grade Upper Tract Urothelial Carcinoma. *Urology*. 2019 Mar 28. pii: S0090-4295(19)30317-6.
2. Velazquez N, Fantus RJ, Fantus RJ, Kingsley S, Bjurlin MA. Blunt trauma pelvic fracture-associated genitourinary and concomitant lower gastrointestinal injury: incidence, morbidity, and mortality. *World J Urol*. 2019 Mar 30. doi: 10.1007/s00345-019-02725-7.
3. Renson A, Schubert FD, Gabbe LJ, Bjurlin MA. Interfacility Transfer is Associated With Lower Mortality in Undertriaged Gunshot Wound Patients. *J Surg Res*. 2019 Apr;236:74-82
4. Renson A, Bjurlin MA. The Charlson Index is insufficient to Control of Comorbidities in a National Trauma Registry. *J Surg Res*. 2019 Apr;236:319-325.
5. Fakhoury MQ, Gordon B, Shorter B, Renson A, Borofsky MS, Cohn MR, Cabezon E, Wysock JS, Bjurlin MA. Perceptions of dietary factors promoting and preventing nephrolithiasis: a cross-sectional survey. *World J Urol*. 2018 Dec 15. doi: 10.1007/s00345-018-2562-6.
6. Schubert FD, Gabbe LJ, Bjurlin MA, Renson A. Differences in trauma mortality between ACS-verified and state-designated trauma centers in the US. *Injury*. 2019 Jan;50(1):186-191.
7. Renson A, Schubert FD, Bjurlin, MA. Lack of Health Insurance Associated with Lower Probability of Head Computed Tomography Among United States Traumatic Brain Injury Patients. *Med Care*. 2018 Dec;56(12):1035-1041.

8. Martingano D, Ramírez LC, Bjurlin MA. Osteopathic Evaluation of Urinary Retention Caused by Atypical Presentation of Invasive Cervical Cancer Mimicking Primary Urothelial Tumor. *J Am Osteopath Assoc*. 2018 Oct 1;118(10):685-688.
9. Velazquez N, Press B, Renson A, Wysock JS, Taneja S, Huang WC, Bjurlin MA. Development of a Novel Prognostic Risk Score for Predicting Complications of Penectomy in the Surgical Management of Penile Cancer. *Clin Genitourin Cancer*. 2018 Sep 27. pii: S1558-7673(18)30068-5.
10. Schubert FD, Gabbe LJ, Bjurlin MA, Renson A. Differences in trauma mortality between ACS-verified and state-designated trauma centers in the US. *Injury*. 2018 Sep 21. pii: S0020-1383(18)30542-4.
11. Renson A, Musser B, Schubert FD, Bjurlin MA. Seatbelt use is associated with lower risk of high-grade hepatic injury in motor vehicle crashes in a national sample. *J Epidemiol Community Health*. 2018 Aug;72(8):746-751. doi: 10.1136/jech-2018-210437.
12. Armstrong BN, Renson A, Zhao LC, Bjurlin MA. Development of novel prognostic models for predicting complications of urethroplasty. *World J Urol*. 2018 Jul 23. doi: 10.1007/s00345-018-2413-5.
13. Bjurlin MA, Renson A, Fantus RJ, Fantus RJ. Impact of Trauma Center Designation and Interfacility Transfer on Renal Trauma Outcomes: Evidence for Universal Management. *Eur Urol Focus*. 2018 Jun 19. pii: S2405-4569(18)30154-8.
14. Rude TL, Donin NM, Cohn MR, Meeks W, Gulig S, Patel SN, Wysock JS, Makarov DV, Bjurlin MA. Analysis of National Trends in Hospital Acquired Conditions Following Major Urological Surgery Before and After Implementation of the Hospital Acquired Condition Reduction Program. *Urology*. 2018 Jun 7. pii: S0090-4295(18)30541-7.
15. Meng X, Rosenkrantz AB, Huang R, Deng FM, Wysock JS, Bjurlin M, Huang WC, Lepor H, Taneja SS. The institutional learning curve for MRI-US Fusion-Targeted Prostate Biopsy: Temporal improvements in cancer detection over four years. *J Urol*. 2018 Jun 7. pii: S0022-5347(18)43348-4.
16. Wake N, Bjurlin MA, Rostami P, Chandarana H, Huang WC. Three-dimensional Printing and Augmented Reality: Enhanced Precision for Robotic Assisted Partial Nephrectomy. *Urology*. 2018 Jun;116:227-228.
17. Bjurlin MA, Renson A, Rais-Bahrami S, Truong M, Rosenkrantz AB, Huang R, Taneja SS. Predicting Benign Prostate Pathology on Magnetic Resonance Imaging/Ultrasound Fusion Biopsy in Men with a Prior Negative 12-core Systematic Biopsy: External Validation of a Prognostic Nomogram. *Eur Urol Focus*. 2018 May 22. pii: S2405-4569(18)30122-6
18. May M, Fritsche HM, Gilfrich C, Dombrowski M, Maurer O, Spachmann P, Kumar MG, Bjurlin M, Burger M, Brookman-May S. What do patients with urothelial cancer know about the association of their tumor disease with smoking habits? Results of a German survey study. *Investig Clin Urol*. 2018 Mar;59(2):91-97. doi: 10.4111/icu.2018.59.2.91. Epub 2018 Feb 28.
19. Meng X, Press B, Renson A, Wysock JS, Taneja SS, Huang WC, Bjurlin MA. Discriminative Ability of Commonly Used Indexes to Predict Adverse Outcomes After Radical Cystectomy: Comparison of Demographic Data, American Society of Anesthesiologists, Modified Charlson Comorbidity Index, and Modified Frailty Index. *Clin Genitourin Cancer*. 2018 Aug; 16(4):e843-e850. doi: 10.1016/j.clgc.2018.02.009. Epub 2018 Feb 26.
20. Katz M, Wollin DA, Donin NM, Meeks W, Gulig S, Zhao LC, Wysock JS, Taneja SS, Huang WC,

Bjurlin MA. Effect of Malnutrition on Radical Nephroureterectomy Morbidity and Mortality: Opportunity for Preoperative Optimization. *Clin Genitourin Cancer*. 2018 Aug; 16(4): e807-e815. doi: 10.1016/j.clgc.2018.02.012. Epub 2018 Feb 23.

21. Bjurlin MA, Rosenkrantz AB, Taneja SS. Reply. *Urology*. 2018 Feb;112:120. doi: 10.1016/j.urology.2017.09.037.

22. Margolin EJ, Matulay JT, Li G, Meng X, Chao B, Vijay V, Silver H, Clinton TN, Krabbe LM, Woldu SL, Singla N, Bagrodia A, Margulis V, Huang WC, Bjurlin MA, Shah O, Anderson CB. Discordance between Ureteroscopic Biopsy and Final Pathology for Upper Tract Urothelial Carcinoma. *J Urol*. 2018;18:30191-30195.

23. Bjurlin MA, Rosenkrantz AB, Sarkar S, Lepor H, Huang WC, Huang R, Venkataraman R, Taneja SS. Prediction of Prostate Cancer Risk among Men Undergoing Combined MRI-Targeted and Systematic Biopsy Using Novel Pre-Biopsy Nomograms That Incorporate MRI Findings. *Urology*. 2017 Nov 16. pii: S0090-4295(17)31185-8.

24. Bjurlin MA, Zhao LC, Kenigsberg AP, Mass AY, Taneja SS, Huang WC. Novel Use of Fluorescence Lymphangiography During Robotic Groin Dissection for Penile Cancer. *Urology*. 2017 Sep;107:267.

25. Bjurlin MA, Elkin EB, Atoria CL, Russo P, Taneja SS, Huang WC. Influence of renal biopsy results on the management of small kidney cancers in older patients: Results from a population-based cohort. *Urol Oncol*. 2017 Jul 14.

26. Bjurlin MA, Huang WC. Re: Pak et al.: Utilization Trends and Short-term Outcomes of Robotic Versus Open Radical Cystectomy for Bladder Cancer (*Urology* 2017;103:117-123) and Borza et al.: No Differences in Population-based Readmissions After Open and Robotic-assisted Cystectomy: Implications for Post-discharge Care (*Urology* 2017;104:77-83). *Urology*. 2017 Jul;105:211.

27. Kibrik P, Eisenberg J, Bjurlin MA, Marks N, Hingorani A, Ascher E. Endoureteral coil embolization of an ureteral arterial fistula. *Vascular*. 2017 Jan 1:1708538117704522.

28. Bjurlin MA, Taneja SS. Novel risk stratification nomograms for counseling patients on the need for prostate biopsy. *BJU Int*. 2017;120:746-747.

29. Bjurlin MA, Fantus RJ, Fantus RJ, Villines D. Re: Comparison of nonoperative and surgical management of renal trauma. *J Trauma Acute Care Surg*. 2017;82:356-361.

30. Fulgham PF, Rukstalis DB, Turkbey IB, Rubenstein JN, Taneja S, Carroll PR, Pinto PA, Bjurlin MA, Eggener S. AUA Policy Statement on the Use of Multiparametric Magnetic Resonance Imaging in the Diagnosis, Staging and Management of Prostate Cancer. *J Urol*. 2017;198:832-838

31. Bjurlin MA, Rosenkrantz AB, Lepor H, Taneja SS. Magnetic resonance imaging in prostate cancer. *Transl Androl Urol*. 2017;6:343-344.

32. Stone BV, Cohn MR, Donin NM, Schulster M, Wysock JS, Makarov DV, Bjurlin MA. Evaluation of Unplanned Hospital Readmissions after Major Urologic Inpatient Surgery in the Era of Accountable Care. *Urology*. 2017;109:94-100.

33. Bjurlin MA, Fantus RJ, Fantus RJ, Villines D. Comparison of nonoperative and surgical management of renal trauma; Can we predict when nonoperative management fails? *J Trauma Acute Care Surg*. 2017;82:356-361

34. Sosnowski R, Verze P, Nunzio C, Bjurlin MA. Smoking Cessation and Urology: A New Domain for Prevention and Treatment. *Eur Urol*. 2016;70:e102-e103.
35. Wysock JS, Mendhiratta N, Zattoni F, Meng X, Bjurlin M, Huang WC, Lepor H, Rosenkrantz AB, Taneja SS. Predictive Value of Negative 3T Multiparametric Prostate MRI on 12 Core Biopsy Results. *BJU Int*. 2016;118:515-520.
36. Bjurlin MA, Mendhiratta N, Wysock JS, Taneja SS. Multiparametric MRI and targeted prostate biopsy: Improvements in cancer detection, localization, and risk assessment. *Cent European J Urol*. 2016;69(1):9-18.
37. Bjurlin MA, Mendhiratta N, Wysock JS, Taneja SS. AUTHOR'S REPLY. *Cent European J Urol*. 2016;69:24.
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39. Uglialoro AD, Goltzman ME, Niazi M, Lehman D, Silletti J, Bjurlin MA. Splenogonadal Fusion Presenting as an Asymptomatic Testicular Mass. *Urology*. 2016;97:1-4.
40. Byun DJ, Cohn MR, Patel SN, Donin NM, Sosnowski R, Bjurlin MA. The Effect of Smoking on 30- Day Complications Following Radical Prostatectomy. *Clin Genitourin Cancer*. 2016;15:e249-e253.
41. Bjurlin MA, Zhao LC, Stifelman MD. Re: Nicolò Maria Buffi, Giovanni Lughezzani, Rodolfo Hurle, et al. Robot-assisted Surgery for Benign Ureteral Strictures: Experience and Outcomes from Four Tertiary Care Institutions. *Eur Urol*. In press. <http://dx.doi.org/10.1016/j.eururo.2016.07.022>. *Eur Urol*. 2016;71:e91.
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43. Sosnowski R, Bjurlin MA, Verze P, De Nunzio C, Shariat SF, Brausi M, Donin NM. Role of cigarette smoking in urological malignancies and clinical interventions for smoking cessation. *Cent European J Urol*. 2016;69:366-369.
44. Marien T, Bjurlin MA, Wynia B, Bilbily M, Rao G, Zhao LC, Shah O, Stifelman MD. Outcomes of robotic-assisted laparoscopic upper urinary tract reconstruction: 250 consecutive patients. *BJU Int*. 2015;116:604-611.
45. Bjurlin MA, McClintock TR, Stifelman MD. Near-infrared fluorescence imaging with intraoperative administration of indocyanine green for robotic partial nephrectomy. *Curr Urol Rep*. 2015;16:20.
46. Huang WC, Atoria CL, Bjurlin M, Pinheiro LC, Russo P, Lowrance WT, Elkin EB. Management of small kidney cancers in the new millennium: contemporary trends and outcomes in a population-based cohort. *JAMA Surg*. 2015;150:664-672.
47. Meng X, Rosenkrantz AB, Mendhiratta N, Fenstermaker M, Huang R, Wysock JS, Bjurlin MA, Marshall S, Deng FM, Zhou M, Melamed J, Huang WC, Lepor H, Taneja SS. Relationship between prebiopsy multiparametric magnetic resonance imaging (MRI), biopsy indication, and MRI-ultrasound

fusion-targeted prostate biopsy outcomes. *Eur Urol.* 2015;69:512-517.

48. Bjurlin M, Elkin EB, Huang WC. Re: Maxine Sun, Andreas Becker, Zhe Tan, et al. Management of localized kidney cancer calculating cancer-specific mortality and competing risks of death for surgery and nonsurgical management. *Eur Urol.* 2015;67:e71.

49. McClintock TR, Chen Y, Parvez F, Makarov DV, Ge W, Islam T, Ahmed A, Rakibuz-Zaman M, Hasan R, Sarwar G, Slavkovich V, Bjurlin MA, Graziano JH, Ahsan H. Association between arsenic exposure from drinking water and hematuria: Results from the Health Effects of Arsenic Longitudinal Study. *Toxicol Appl Pharmacol.* 2014;276:21-27.

50. McClintock TR, Bjurlin MA, Wysock JS, Borofsky MS, Marien TP, Okoro C, Stifelman MD. Can selective arterial clamping with fluorescence imaging preserve kidney function during robotic partial nephrectomy? *Urology.* 2014;84:327-334.

51. McClintock TR, Bjurlin MA, Stifelman MD. Reply. *Urology.* 2014;84:334.

52. Bjurlin MA, Fantus RJ, Mellett MM, Fantus RJ, Villines D. The Impact of Seat belts and Airbags on High Grade Renal Injuries and Nephrectomy Rates in Motor Vehicle Collisions. *J Urol.* 2014;192:1131-1136.

53. McClintock TR, Bjurlin MA, Stifelman MD. Reply. *Urology.* 2014;84:333.

54. Bjurlin MA, Zhao LC, Huang WC. More on Robot-Assisted Laparoscopic Radical Cystectomy. *N Engl J Med.* 2014;371:1654-1655.

55. Dae K, Zhao L, Dupree J, Le B, Cashy J, Bjurlin M, Kundu S. Deep venous thrombosis and pulmonary embolism after urological surgery using the American College of Surgeons National Surgical Quality Improvement Program (NSQIP). *Am Surgeon.* 2014;80:1216-1221.

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58. Bjurlin MA, Kim DY, Zhao LC, Palmer JC, Cohn MR, Vidal PP, Bokhari F, Hollowell CMP. Clinical characteristics and surgical outcomes of penetrating external genital injuries. *J Trauma Acute Care Surg* 2013;74:839-844.

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60. Bjurlin MA, O'Grady T, Kim DY, Divakaruni N, Drago A, Blumetti J, Hollowell CMP. Causative pathogens, antibiotic sensitivity, resistance patterns, and severity in a contemporary series of Fournier's gangrene. *Urology* 2013;81:752-758.

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62. Divakaruni N, Bjurlin MA, Hurley S, Hollowell CMP. Genitourinary skin and soft tissue

infections: A prospective contemporary evaluation of causative pathogens. *J Urol* 2013;190:539-543.

63. Divakaruni N, Palmer CJ, Tek P, Bjurlin MA, Gage MK, Robinson J, Lombardo L, Wille MA, Hollowell CM. Forgotten ureteral stents: Who's at risk? *J Endourol* 2013;27:1051-1054.

64. Bjurlin MA, Walter D, Huang WC, Wysock JS, G Sivarajan, Loeb S, Taneja S, Makarov DV. National trends in the utilization of partial nephrectomy before and after the establishment of AUA guidelines for the management of renal masses. *Urology*. 2013;82:1283-1290.

65. Casey JT, Bjurlin MA, Cheng E. Pediatric Genital Injury: An Analysis of the National Electronic Injury Surveillance System. *Urology*. 2013;82:1125-1130.

66. Bjurlin MA, Makarov DV. Reply. *Urology*. 2013;82:1289-1290.

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70. Bjurlin MA, Zhao LC, Goble SM, Hollowell CMP. Race and insurance status are risk factors for orchiectomy due to testicular trauma. *J Urol* 2012;187:931-935.

71. Bjurlin MA, Cohn RC, Freeman VL, Lombardo LM, Hurley SD, Hollowell CMP. Ethnicity and smoking status are associated with awareness of smoking-related genitourinary diseases. *J Urol* 2012;188:724-728.

72. Bjurlin MA, Hurley SD, Kim DY, Cohn MR, Jordan MD, Kim R, Divakaruni N, Hollowell CMP. Clinical outcomes of nonoperative management in emphysematous urinary tract infections. *Urology* 2012;79:1281-1285.

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77. Bjurlin MA, Goble SM, Fantus RF, Hollowell CMP. Outcomes in geriatric genitourinary trauma. *J Am Coll Surg* 2011;213:415-421.

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80. Bjurlin MA, Carlsen J, Grevious M, Jordan MD, Taylor A, Divakaruni N, Hollowell CMP. Mineral oil induced sclerosing lipogranuloma of the penis. *J Clin Aesthetic Dermatol* 2010;3:41- 44
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acylhydrolase preparations. *J Am Oil Chem Soc* 2001;78:153-160.

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Review Articles

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TEACHING ACTIVITIES

Lecture Course

Year	Course	Title	Type of Teaching	Number of Students
2018	NYU Urology Resident Curriculum	Upper Genitourinary Tract Trauma	Course lecturer	15
2017	NYU Urology Resident Curriculum	Lower Genitourinary Tract Trauma	Course lecturer	15
2017	NYU Urology Resident Curriculum	Upper Genitourinary Tract Trauma	Course lecturer	15
2014	Sophie Davis Medical School Curriculum	Male Genitourinary Physical Exam	Course development and lecturer	30
2014	Sophie Davis Medical School Curriculum	Scrotal Pain	Course development and lecturer	30
2014	Sophie Davis Medical School Curriculum	Prostate	Course development and lecturer	30
2014	Sophie Davis Medical School Curriculum	Urinary Incontinence	Course development and lecturer	30
2014	Sophie Davis Medical School Curriculum	Erectile Dysfunction	Course development and lecturer	30
2014	Sophie Davis Medical School Curriculum	Male Genitourinary Physical Exam	Course development and lecturer	30
2014	Sophie Davis Medical School Curriculum	Scrotal Pain	Course development and lecturer	30
2014	Sophie Davis Medical School Curriculum	Prostate	Course development and lecturer	30
2014	Sophie Davis Medical School Curriculum	Urinary Incontinence	Course development and lecturer	30
2014	Sophie Davis Medical School Curriculum	Erectile Dysfunction	Course development and lecturer	30

Mentoring of Graduate Students, Residents, Post-Doctoral Fellows in Research

Name	Type of Position	Time Period	Project	Present Position
Jamie Michael	UNC medical student	2019-present	Performance Characteristics and Impact on Management of [18F]FACBC PET Imaging In Men With Recurrent Prostate Cancer	UNC medical student
Pauline Filippou, MD	Urology resident	2018-present	Overall survival of biopsy confirmed T1b and T2a kidney cancers managed with observation: influence of tumor histology	Urology resident, UNC
Nermarie Velasquez, MD	Urology resident	2016-2018	Impact of histologic subtype on overall survival of observed T1a kidney cancers	Urology resident, NYU
Michael Schuelster, MD	Urology resident	2017-2018	Outcomes and per- operative complications of robotic pyelolithotomy: An alternative for to PCNL for management of complex renal stones	Urology resident, NYU
Richard Fantus, MD	Urology Resident	2016-2018	Impact of Trauma Center Designation and Interfacility Transfer on Renal Trauma Outcomes: Evidence for Universal Management	Urology resident, University of Chicago
Pooya Rostami	Medical student	2017-2018	Three-dimensional Printing and Augmented Reality: Enhanced Precision for Robotic Assisted Partial Nephrectomy	Medical Student
Matthew Katz, MD	Urology resident	2016-2018	Effect of Malnutrition on Radical Nephroureterectomy Morbidity and Mortality: Opportunity for Preoperative Optimization	Urology resident, NYU
Mathew Fakhoury, DO	Medical student	2013-2018	Perceptions of Dietary Factors Promoting and Preventing Nephrolithiasis: A Cross- sectional Survey	Urology resident, Cook County Hospital
Brynne Musser	MPH student	2017-2018	Seatbelt use is associated with lower risk of high- grade hepatic injury in motor vehicle crashes in a national sample	MPH Student, Kansas University
Joshua Gottlieb, DO	Medical student	2016-2017	Smoking-related genitourinary cancers: A global call to action in smoking cessation	Surgery Resident, Montefiore/Albert Einstein
Hayley Silver, MD	Urology resident	2016-2017	Clinical response rates of neoadjuvant chemotherapy in high grade upper tract urothelial carcinoma	Urology resident, NYU

Daniel Wollin, MD	Urology resident	2016-2017	Effect of Malnutrition on Radical Nephroureterectomy Morbidity and Mortality: Opportunity for Preoperative Optimization	Endourology Fellow, Duke University
Cory Higley, DO	Medical student	2016-2017	Smoking-related genitourinary cancers: A global call to action in smoking cessation	Internal medicine resident, Georgetown University
Brenton Armstrong, MD	Urology Resident	2016-2017	Development of novel prognostic models for predicting complications of urethroplasty	Urology resident, NYU
Alexander Kenigsberg, MD	Medical Student	2016-2017	Novel Use of Fluorescence Lymphangiography During Robotic Groin Dissection for Penile Cancer	Urology resident, University of Texas Southwestern
Tope Rude, MD	Urology resident	2015-2016	Analysis of National Trends in Hospital Acquired Conditions Following Major Urological Surgery Before and After Implementation of the Hospital Acquired Condition Reduction Program	Female pelvic floor reconstruction Fellow, USC
Nicholas Donin, MD	Urology resident	2015-2016	Evaluation of Unplanned Hospital Readmissions after Major Urologic Inpatient Surgery in the Era of Accountable Care	Assistant professor, UCLA

Invited Seminars and Lectures

Topic	Location
Prostate Cancer: Differentiating Molecular Risk Assessments through New Lab Tests	SEIU 1199 New Laboratory Test Symposium, New York, NY
4 Things All Women Should Know About Prostate Cancer	Prevention Magazine
MRI ultrasound fusion targeted prostate biopsy in prostate cancer localization and risk assessment	Northside Hospital, Atlanta, Georgia
Prostate Cancer Risks and Screening – National Action Network Men’s Health Month	National Action Network, Harlem, NY
Differentiating Molecular Risk Assessments of Prostate Cancer – NYU Advances in Prostate Imaging, Detection and Ablative Treatment of Prostate Cancer	NYU Langone Medical Center, New York, NY
Robotic Surgery: Applications to Intra-Abdominal Surgery	SEIU 1199 Robotic Surgery Symposium, New York, NY
Management of Iatrogenic Ureteral Injuries – Department of Obstetrics and Gynecology	NYU Langone Hospital – Brooklyn, Brooklyn New

Grand Rounds Prostate Cancer Screening and Diagnosis – Department of Internal Medicine Grand Rounds	York NYU Langone Hospital – Brooklyn, Brooklyn New York
Urologic Surgery for the General Surgery Resident – Department of Surgery Grand Rounds	NYU Langone Hospital – Brooklyn, Brooklyn New York
Innovation in Urologic Oncology and Robotic Surgery – NYU Langone Hospital – Brooklyn, Board of Directors	NYU Langone Hospital – Brooklyn, Brooklyn New York
Prostate Cancer Focal Therapy: An Emerging Treatment Paradigm – NYU Perlmutter Cancer Center Survivorship Lecture	NYU Perlmutter Cancer Center, New York, NY
Diagnosing and Treating Prostate Cancer in the 21 st Century – Chinese Community Health Center	Chinese Community Health Center, New York, NY
Predictive Models for Prostate Cancer Risk Imaging and management of high risk prostate cancer - Surgical Pharmacological and Technological Advances in Urology	Onc Live NYU Langone Medical Center
Sexually Transmitted Diseases in the Era of On- line Dating	SEIU 1199 Infectious Disease Symposium, New Yok, NY
Optimal Prostate Biopsy in Clinical Practice: Emerging Role of MRI Targeted Biopsy in Detection, Localization, and Risk Assessment	American College of Osteopathic Surgeons Annual Clinical Assembly, Chicago, IL
Understanding Prostate Cancer Diagnosis and Treatment	St. Barnabas Hospital, Men’s Health Initiative, Bronx, NY
Seat Belts and Air Bags Also Protect Kidneys	Sound Medicine
Prostate Cancer Diagnosis using MRI Ultrasound Fusion Targeted Biopsy	Bronx Lebanon Hospital Center, Bronx, New York
Prostate Cancer Diagnosis and Treatment in the 21 st Century	SEIU 1199 Urology Symposium, New York, NY
Partial Nephrectomy Remains Underutilized, Despite AUA Endorsement	Urologists in Cancer Care
Orchiectomy rate linked to race, insurance status	Urology Times

GRANTS- please indicate if completed and what percentage of effort

Agency	Title	Type	Period	Total Direct Costs	Role
American Medical Association Seed Grant Identification	Characterization and Culture of Exfoliated Cells in Expressed Prostatic Fluid: A Feasibility Study	n/a	2005-2006	\$2,500	PI

American Osteopathic Association	Specificity of Genetic Bone Markers in Metastatic Prostate and Breast Cancer	n/a	2003-2004	\$5,000	PI
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PROFESSIONAL SERVICE

Discipline

Memberships, Offices, and Committee Assignments in Professional Societies

Year	Society
2014-Present	New York Section of the American Urological Association
2012-Present	Society of Urologic Oncology
2009-Present	American Urological Association
2007-Present	American College of Osteopathic Surgeons
2002-Present	American Osteopathic Association

National Committees

2018-Present	American College of Radiology Appropriateness Criteria Interventional Radiology
2018-Present	American Urological Association Committee Member: New Technology and Imaging Committee
2017-2018	American Urological Association Committee Member: Laparoscopic, Robotic, and New Surgical Technology
2017-2018	American College of Radiology Technical Expert Panel
2016-2018	American Urological Association Committee Member: Urologic Diagnostic & Therapeutic Imaging Committee
2016-2017	American Urological Association Committee Member: Prostate MRI Standard Operating Procedure

Editorial Positions

Year	Name of Board
2018-Present	Associate Editor – BMC Cancer
2017-Present	Sexual Health – Ad hoc reviewer
2015-Present	Urologic Oncology: Seminars and Original Investigations – Ad hoc reviewer
2015-Present	Nature Urology Reviews – Ad hoc reviewer
2014-Present	British Journal of Urology International – Ad hoc reviewer
2012-Present	BMC Cancer – Ad hoc reviewer
2012-Present	UROLOGY – Ad hoc reviewer
2011-Present	Journal of Urology – Ad hoc reviewer

Invited Editor

2016-Present	Urologic Clinics of North America –Prostate cancer – Co-Editor
2016-2017	Translational Andrology and Urology – Focused issue on Magnetic Resonance Imaging in Prostate Cancer – Co-Editor

Major Committee Assignments

Year	Committee
2017-Present	NYU Perlmutter Cancer Program – Data Quality Assessment – Kidney Cancer
2017-Present	NYU Langone Hospital – Brooklyn, Patient Safety Indicator Committee
2017-Present	NYU Langone Hospital – Brooklyn, Perioperative Improvement Committee

Principal Clinical and Hospital Service Responsibilities

Year	Type of Activity
2016-Present	Robotic Surgery Steering Committee – NYU Langone Hospital - Brooklyn
2016-Present	Director of Urologic Oncology – NYU Langone Hospital - Brooklyn
2016-Present	Director of CME - NYU Advanced Multispecialty Robotic Surgery Course
2014-2015	Director of urologic oncology – St. Barnabas Hospital
2014-2015	Robotic Surgery Steering Committee – Bronx Lebanon Hospital Center
2014-2015	Institutional Review Board – St. Barnabas Hospital and Health System

Major Administrative Responsibilities

Year	Title, Place of Responsibility
2017-Present	Supervising physician for robotic surgery physician assistants

Clinical Trials

Year	Trial
2018-Present	Co-Investigator: EA8143-PROSPER: A Phase 3 RandOmized Study Comparing PERioperative Nivolumab vs. Observation in Patients with Localized Renal Cell Carcinoma Undergoing Nephrectomy (PROSPER RCC)
2018	Co-Investigator: PET/MRI (Axumin) study of men with highly suspicious MRI lesions that showed no clinically significant prostate cancer following MRI fusion targeted biopsy
2017-2018	Co-Investigator: Data Visualization of Kidney and Prostate Tumors using Routine Pre-Operative Imaging 3D Printed and 3D Virtual Reality Models

2017 – 2018	Site Principal Investigator: Clinical Evaluation of the <i>ExoDx Prostate (IntelliScore)</i> in men presenting for initial biopsy; additional confirmation study including impact on decision-making and health economics
2019 – Present	Site Principal Investigator: Anchiano Therapeutics Israel Ltd. - A Phase 2 Study of BC-819 in Patients with Non-Muscle Invasive Bladder Cancer Whose Disease is Unresponsive to Bacillus Calmette-Guerin.
2019 – Present	Co-Investigator: Urogen: A Phase 2b, Single-Arm, Multicenter Trial to Evaluate the Efficacy and Safety of UGN-102 as Primary Chemoablative Therapy in Patients with Low Grade (LG) Non-Muscle-Invasive Bladder Cancer (NMIBC) at Intermediate Risk of Recurrence.
2019 – Present	Co-Investigator: Altor BioScience: QUILT-3.032: A Multicenter Clinical Trial of Intravesical Bacillus Calmette-Guerin (BCG) in Combination with ALT-803 in Patients with BCG Unresponsive High Grade Non-Muscle Invasive Bladder Cancer.
2019 – Present	Site Principal Investigator: Janssen Research & Development: 56021927PCR3011 - A Randomized, Double-blind, Placebo-controlled, Phase 3 Study of Apalutamide in Subjects with High-risk, Localized or Locally Advanced Prostate Cancer Who are Candidates for Radical Prostatectomy.
2019 – Present	Co-Investigator: EA8143-PROSPER: A Phase 3 RandOmized Study Comparing PERioperative Nivolumab vs. Observation in Patients with Localized Renal Cell Carcinoma Undergoing Nephrectomy (PROSPER RCC)

Workshops

Year	Topic	Location
2017	Proctor – American Urological Association course: MR US Fusion Guided Prostate Biopsy: Integrating MP MRI and Biopsy into Your Urologic Practice for Screening, Diagnosis and Treatment Planning	Boston, MA
2017	Proctor – American Urological Association course: MR US Fusion Guided Prostate Biopsy	Linthicum, MD
2016	Proctor – American Urological Association course: MR US Fusion-Guided Prostate Biopsy: Beginner and Advanced Techniques	Linthicum, MD
2015	Proctor – American Urological Association course: MR US fusion – guided prostate biopsy: beginner and advanced techniques	Icahn School of Medicine at Mount Sinai New York, NY

2015	Proctor – American Urological Association course: MR US Fusion Guided Prostate Biopsy I: Foundations and Basic Techniques	New Orleans, LA
2015	Proctor – American Urological Association course: MR US Fusion Guided Prostate Biopsy II: Advanced Techniques (Tips and Tricks)	New Orleans, LA
2014	Proctor – American Urological Association course: MR US fusion guided prostate biopsy: Integration MP MRI and biopsy into your urologic practice for screening, diagnosis and treatment planning	Orlando, FL

RESEARCH STATEMENT

My academic research focus centers on image guided risk stratification, tumor localization, and therapeutic intervention for patients with urologic malignancies. Well before the advent of these advanced technologies I became enthralled in the field of urologic oncology. During medical school I was the recipient of American Medical Association Seed Grant as well as an American Osteopathic Association research grant focusing on molecular biomarkers of metastatic bone disease in advanced prostate cancer under the leadership of Nalini Chandar, PhD. Dr. Chandar encouraged me to pursue a career in urologic oncology and guided me to a unique opportunity to study at the Urologic Oncology Branch of the National Cancer Institute. It was there that I was exposed to advanced imaging and diagnosis techniques in the management of men with prostate cancer. Working with a team lead by Peter Pinto, MD, we developed a technique to use magnetic resonance imaging combined with transrectal ultrasound to identify and guide prostate biopsies to tumors with increased aggressiveness. 15 years later I continue to collaborate with Dr. Pinto and his team on refining this technology which has now been adopted as the standard of care for men at risk for prostate cancer who have undergone a prior negative prostate biopsy. I continued with multiple research endeavors during my residency which ultimately culminated in the opportunity to pursue my passion for urologic oncology in fellowship at New York University.

My academic career began in earnest when I reached NYU where I pursued fellowship training in urologic oncology under the mentorship of Samir Taneja, MD in combination with a Master of Science in Clinical Investigation. My specialty training continued to focus on image guided risk assessment and tumor localization in prostate cancer detection while formally studying clinical trial design and outcomes analysis. Through our collaborative effort we have now demonstrated magnetic resonance guided prostate biopsies detect more high-grade cancer, using fewer biopsy cores, ultimately improving risk stratification for appropriate therapy. While our biopsy techniques increase the detection of actionable cancer, we have limited the over-diagnosis and subsequent overtreatment of indolent disease, ultimately improving the quality of life in men at risk for prostate cancer. As a result of our research, Dr. Taneja and I, along with a team of prostate cancer experts led the American Urological Association (AUA) White Paper on the Optimal Techniques of Prostate Biopsy and Specimen Handling. This experience along with the mentorship I received, the networks developed, and the exchange of ideas was a tremendous educational activity and motivator to strive to become a leader in the urologic oncology community. I have had the benefit of maintaining these research connections resulting in the co-authorship of the AUA Policy Statement on the Use of Multiparametric Magnetic Resonance Imaging in the Diagnosis, Staging and Management of Prostate Cancer.

Beginning in 2014, I have served as an instructor of the AUA sponsored course on Magnetic Resonance Imaging Ultrasound Fusion Guided Prostate Biopsy. I have continued this commitment by teaching this course at each of the annual AUA meetings, allowing for the opportunity, on a national stage, to lead in my area of research among urologists and the urology community. I am also the director for the AUA course on Integrating Molecular Imaging into Urologic Oncology Clinical Practice. As an active

member of the urologic oncology community, I currently serve on both the AUA Urologic Diagnostic and Therapeutic Imaging and the Laparoscopic Robotic and New Surgery Technology Committees, where our focus is to evaluate and disseminate new research and technologies in our areas of expertise. Moreover, given my research expertise in imaged guided therapy, I have been appointed to the American College of Radiology Appropriateness Criteria Committee for Interventional Radiology.

It is my aim to continue this avenue of research focusing on imaged guided detection and treatment of urologic malignancies at UNC through collaboration and continued learning with team members of urology, radiology, and nuclear medicine.

TEACHING STATEMENT

My role in the department of urology not only focuses equally on patient care and research, but also on education. Throughout my career I have been inspired by many excellent mentors, but none as much as my parents. Both of my parents were high school math teachers; my father taught my 9th grade geometry class and my mother taught my 8th grade algebra class. Their patience, open mindedness, and energy devoted to the learning process are characteristics I have embraced in my teaching philosophy. My interest in education began to take shape when I was a chief resident in urology. By overhauling our learning curriculum and conducting teaching and study sessions to junior residents every Saturday after our morning patient rounds, our residency increased our in-service exam scores by 17%.

As a urology faculty member, one of my goals is to be an effective educator teaching urology residents and medical student both clinical and operative management. As part of our core curriculum I provide residents and students interactive lectures on urologic oncology every quarter. In my experience, residents will devote more energy to the learning process if they can see the benefits of learning what they have been taught. When I mentor residents in the operating room, we review, together, the indication for the surgery, our planned approach, the relevant anatomy, along with possible complications, diagnostic steps, and preventive measures. Using this process, I develop an active connection between the resident's clinical knowledge base and his/her surgical skillset. It is clearly evident how residents take pride in the scholarship and gain a sense of confidence and reward in the operating room. As I continue to develop into a mature educator, mentor, and professional, I make it a point to seek active feedback from students, residents, and colleagues alike, in order to continually improve my teaching style. Through didactics and coaching, it is my goal to develop well trained, competent, clinicians and surgeons in the field of urology.