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**Professional
Appointments**

Staff Physician, Glickman Urology Institute, Cleveland Clinic Foundation,
Cleveland, OH March, 2014 to now

Chief , Urology Section/Surgery Service, Louis Stokes Cleveland VA Medical
Center, Cleveland, OH
October, 2009 to now

Staff Physician, Urology Section/Surgery Service, Louis Stokes Cleveland VA
Medical Center, Cleveland, OH
August, 2005 to now

Assistant Professor of Urologic Surgery and Attending Physician, Urology
Institute, University Hospitals Case Medical Center, Case Western Reserve
University, Cleveland, OH August, 2005 to February,
2014

**Education
and Training**

Memorial Sloan-Kettering Cancer Center, New York, NY
Urologic Oncology Fellowship July, 2004 –
June,2005

**Washington University Medical Center and Barnes-Jewish Hospital,
St. Louis, MO**
Urology Residency Program June, 1999 - June,
2004

Duke University School of Medicine, Durham, NC
M.D. August, 1996 -
May,1999

Massachusetts Institute of Technology, Cambridge, MA
Sc.D. in Radiological Sciences/Biomedical Engineering Sept., 1990 - August,
1996

The Rockefeller University, New York, NY

Graduate Study in Elementary Particle Physics Sept., 1989 - August, 1990

Peking University, Beijing, China

B.Sc. in Nuclear Physics
1989

Sept., 1985 - June,

Professional Memberships

Member, American Urological Association since 2000
Board certified, American Board of Urology since 2008

Honors and Awards

Abstract on Prostate Cancer Selected for Media Release, American Urological Association Annual Meeting, San Diego, CA 2013

3rd Best Research Abstract, 26th Engineering and Urology Society Annual Meeting, Washington DC, 2011

American Urological Association-Chinese Urological Association Academic Exchange Scholar 2010

Department of Urology Teacher of the Year Award, University Hospitals Case Medical Center and Case Western University School of Medicine 2009

2nd. Prize for Clinical Research, I-70 Society for Research Competition, Mid-west Urology Residency Programs, 2003

1st. Prize for Clinical Research, I-70 Society for Research Competition, Mid-west Urology Residency Programs, 2002

Praecis Pharmaceuticals/AUA Gerald P. Murray Scholar from Washington University School of Medicine, 2002

Annenberg Outstanding Academic Achievement Award In Urology, Washington University Medical Center and Barnes-Jewish Hospital, 2001

Sigma Xi, The Scientific Research Honor Society

Alpha Sigma Nu, National Honor Society of Nuclear Science, MIT Chapter

Young Investigator Award, Radiation Research Society, 1993

Current Research Support

B4666R Damaser (PI) Zhu 5% co-investigator 4/1/2012 - 3/31/2016
VA RR&D Merit Review

Wireless Implantable Pressure Monitor for Clinical Applications

The goal of this project is the initial development and testing of a miniature implantable device for long term wireless monitoring of pressure of the bladder and other internal organs.

Completed Research Support

R21 CA 165398 (NCI/NIH) Zhu (mPI) 20% effort 11/1/2012 -10/31/2014
Staging of Upper Tract Urothelial Cancer with Optical Coherence Tomography
The goal of the project is to establish optical criteria for ultrahigh resolution optical coherence tomography to grade and stage upper tract urothelial cancer

Department of Veterans Affairs Career Development Award, Mechanisms of Post-radical Prostatectomy Urinary Incontinence Zhu (PI) 75% effort 7/2006 – 7/2011

B4666R Damaser (PI)Zhu 5% co-investigator 10/1/2007 - 9/30/2010
VA RR&D Merit Review

Wireless Implantable Pressure Monitor for Clinical Applications

The goal of this project is the initial development and testing of a miniature implantable device for long term wireless monitoring of pressure of the bladder and other internal organs.

1R01CA127493-01A2 Zhang (PI) Zhu 5% co-investigator 1/1/09 - 11/30/12

Urinary Continence and Quality of Life in Prostate Cancer Patients

The goal of this project is to improve continence, quality of life, and mood through enhancing adherence to PFME and self-management of bladder control. The secondary goals are to examine the physiological effects and cost effectiveness of the proposed interventions.

Johnson & Johnson / CERU Challenge Grant Award Zhu (PI) 2010-11
Grading and Staging of Bladder Cancer with Endoscopic Ultrahigh Resolution Optical Coherence Tomography (uhrOCT)

The goal of the project is to establish optical criteria for ultrahigh resolution optical coherence tomography to grade and stage bladder cancer, and most importantly, to establish uhrOCT as a tool for *in vivo* diagnosis of bladder cancer during transurethral resection of bladder cancer.

Publications

Baxter, L.T., Zhu, H., Mackensen, D.G., and Jain, R.K. Physiologically-based pharmacokinetic model for specific and non-specific monoclonal antibodies and fragments in normal tissues and human tumor xenografts in nude mice. *Cancer Research*. 54(6): 1517-1528. 1994 Mar 15.

Baxter, L.T., Zhu, H., Mackensen, D.G., Butler, W.F., and Jain, R.K. Biodistribution of monoclonal antibodies: scale-up from mouse to man using a physiologically-based pharmacokinetic model. *Cancer Research*. 55(20): 4611-4622. 1995 Oct 15.

Zhu, H., Melder, R.J., Baxter, L.T., and Jain, R.K. Physiologically-based kinetic model of effector cell biodistribution in mammals: Implications for adoptive immunotherapy. *Cancer Research*. 56(16): 3771-3781. 1996 Aug 15.

Zhu, H., Baxter, L.T., and Jain, R.K. Potential and limitations of radioimmunodetection and radioimmunotherapy with monoclonal antibodies: Evaluation using a physiologically-based pharmacokinetic model. *Journal of Nuclear Medicine*. 38(5): 731-741. 1997 May.

Zhu, H., Jain, R.K. and Baxter, L.T. Tumor pretargeting for radioimmunodetection and radioimmunotherapy. *Journal of Nuclear Medicine*. 39(1): 65-76. 1998 Jan.

Zhu, H., Klutke, J.J., and Klutke, C.G. MRI findings with female prolapse. *Atlas of Urologic Clinic of North America*. 2(1):101-112. 2003 April.

Zhu, H., Roehl, K.A., Antenor, J.V., and Catalona, W.J. Clinical value of longitudinal free-to-total PSA ratio slope to diagnosis of prostate cancer. *Journal of Urology. Supplement*. 167(4): 208, #840, 2002 May, and 171(2): 661, *Journal of Urology*. 2004 February.

Zhu, H., Roehl, K.A., Antenor, J.V., and Catalona, W.J. Should we biopsy men with PSA of 2.6-4.0 ng/ml? *Journal of Urology. Supplement*. 169(4): 208, #1072, 2003 April, and as Biopsy of men with PSA level of 2.6 to 4.0 ng/mL associated with favorable pathologic features and PSA progression rate: a preliminary analysis. *Urology*. 66(3):547-51. 2005 Sep.

Shindel, A.W., Zhu, H., Hovsepian, D.M., Brandes, S.B. Ureteric embolization with stainless-steel coils for managing refractory lower urinary tract fistula: a 12-year experience. *BJU Int*. 99(2), 364-8. 2007 Feb.

Wang, H., Kang, W., Zhu, H., MacLennan, G., Rollins, A. Three Dimensional Imaging of Ureter with Endoscopic Optical Coherence Tomography. *Urology* 77(5):1254-8, 2011 May.

Li, Y., Zhuang, Q., Hu Z., Wang, Z., Zhu H., Ye, Z. A Modified Ureteroileal Anastomosis Technique for Bricker Urinary Diversion. *Urology* 78(5):1191-5, 2011 Nov.

Wang, Z., Lu, T., Du, L., Hu, Z., Zhuang, Q., Li, Y., Wang, C., Zhu, H., Ye, Z. Plasmacytoid urothelial carcinoma of the urinary bladder: a clinical pathological study and literature review. *Int J Clin Exp Pathol*. 5(6):601-608. 2012

Zhang, A. Y., Gary, F., Zhu, H. What Precipitated Depression in African American Cancer Patients? Triggers and Stressors. *Palliative & Supportive Care*, 2012 Mar 22:1-8.

Zhang AY, Gary F, Zhu, H. Discord of Measurements in Assessing Depression among African Americans with Cancer Diagnoses. *Int J Cult Ment Health*. 6(1):58-71. 2013 Jan 1.

Zhang AY, Gary F, Zhu, H. Initial evidence of Religious Practice and Belief in Depressed African American cancer patients. *Open Nurs J*. 7:1-5. 2013 Jan 15.

Maurice MJ, Zhu, H, Stokes L. Sarcoidosis of the Prostate. *J Urol*. 2013. 2014 May.

Maurice MJ, Abouassaly R, Zhu H. American trends in expectant management utilization for prostate cancer from 2000 to 2009. *Can Urol Assoc J*. 2014 Nov;8(11-12):E775-82. doi: 10.5489/cuaj.2073. PMID: 25485003

Kohut R, Minnillo BJ, Zhu, H. Changes in Adjuvant Therapy Utilization in Stage I Seminoma: Are They Enough to Prevent Overtreatment? *Urology*. 84(6):1319-24, 2014 Dec.

Zhang AY, Gary F, Zhu, H. Exploration of depressive symptoms in African American cancer patients. *J Ment Health*. 7:1-6. 2015 Jan.

Deng K, Lin D, Hanzlicek B, Balog BM, Penn M, Kiedrowski M, Hu Z, Ye Z, Zhu, H, Damaser MS. Mesenchymal Stem Cells and Their Secretome Preserve Nerve and Urethral Function in a Dual Muscle and Nerve Injury Stress Urinary Incontinence Model *American Journal of Physiology - Renal Physiology*. 308(2):F92-F100, 2015 Jan 15.

Zhang AY, Gary F, Zhu, H. Attitudes toward cancer and implications for mental health outcome in African-American cancer patients. *J Cancer Educ*. 30(1):138-44. 2015 Mar.

Maurice MJ, Zhu H, Abouassaly R. Low Use of Immediate and Delayed Postoperative Radiation for Prostate Cancer with Adverse Pathological Features. *J Urol*. 2015 Oct;194(4):972-6. doi: 10.1016/j.juro.2015.03.122. Epub 2015 Apr 6. PMID: 25858420

Tabayoyong W, Abouassaly R, Kiechle JE, Cherullo EE, Meropol NJ, Shah ND, Dong S, Thompson RH, Smaldone MC, Zhu H, Ialacci S, Kim SP. Variation in Surgical Margin Status by Surgical Approach among Patients Undergoing Partial Nephrectomy for Small Renal Masses. *J Urol*. 2015 Jun 19. pii: S0022-5347(15)04211-1. doi: 10.1016/j.juro.2015.06.076. PMID: 26094808

Ferry EK, Minnillo BJ, Maurice MJ, Abouassaly R, Zhu H. Trends of Systemic Therapy Use for Renal Cell Carcinoma in the United States. *Urology*. 2015 Jun;85(6):1399-403. doi: 10.1016/j.urology.2015.03.008. PMID: 26099886

Zhang AY, Bodner DR, Fu AZ, Gunzler DD, Klein E, Kresevic D, Moore S, Ponsky L, Purdum M, Strauss G, Zhu H. Effects of Patient Centered Interventions on Persistent Urinary Incontinence after Prostate Cancer Treatment: A Randomized, Controlled Trial. *J Urol*. 2015 Jul 29. pii: S0022-5347(15)04498-5. doi: 10.1016/j.juro.2015.07.090. PMID: 26231554

Zhang AY, Gary F, Zhu H. Exploration of depressive symptoms in African American cancer patients. *J Ment Health*. 2015 Aug 21:1-6. PMID: 25564890

Maurice MJ, Zhu H, Kiechle JE, Kim SP, Abouassaly R. Non-Clinical Factors Predict Selection of Initial Observation for Renal Cell Carcinoma. *Urology*. 2015 Aug 17. pii: S0090-4295(15)00738-4. doi: 10.1016/j.urology.2015.06.057. PMID: 26291563

Maurice MJ, Zhu H, Kim SP, Abouassaly R. Increased use of partial nephrectomy to treat high-risk disease. *BJU Int*. 2015 Aug 25. doi: 10.1111/bju.13262. PMID: 26305770

Kiechle JE, Abouassaly R, Smaldone MC, Shah ND, Dong S, Cherullo EE, Nakamoto D, Zhu H, Cooney MM, Kim SP. National Trends of Local Ablative

Therapy among Young Patients with Small Renal Masses in the United States. *Urology*. 2015 Sep 1. pii: S0090-4295(15)00816-X. doi: 10.1016/j.urology.2015.08.016. PMID: 26341571

Maurice MJ, Zhu H, Kiechle JE, Kim SP, Abouassaly R. Increasing Biopsy Utilization for Renal Cell Carcinoma is Closely Associated with Treatment. *Urology*. 2015 Sep 2. pii: S0090-4295(15)00826-2. doi: 10.1016/j.urology.2015.08.020. PMID: 26342316

Maurice MJ, Abouassaly R, Kim SP, Zhu H. Contemporary Nationwide Patterns of Active Surveillance Use for Prostate Cancer. *JAMA Intern Med*. 2015 Sep 1;175(9):1569-71. doi: 10.1001/jamainternmed.2015.2835. PMID: 26121305

Maurice MJ, Zhu H, Kiechle JE, Kim SP, Abouassaly R. Comorbid Disease Burden is Independently Associated with Higher-Risk Disease at Prostatectomy in Patients Eligible for Active Surveillance. *J Urol*. 2015 Oct 28. pii: S0022-5347(15)05140-X. doi: 10.1016/j.juro.2015.10.120. PMID: 26519653

Maurice MJ, Zhu H, Kiechle JE, Kim SP, Abouassaly R. Nonclinical Factors Predict Selection of Initial Observation for Renal Cell Carcinoma. *Urology*. 2015 Nov;86(5):892-9. doi: 10.1016/j.urology.2015.06.057. PMID: 26291563

Zhang AY, Bodner DR, Fu AZ, Gunzler DD, Klein E, Kresevic D, Moore S, Ponsky L, Purdum M, Strauss G, Zhu H. Effects of Patient Centered Interventions on Persistent Urinary Incontinence after Prostate Cancer Treatment: A Randomized, Controlled Trial. *J Urol*. 2015 Dec;194(6):1675-81. doi: 10.1016/j.juro.2015.07.090. PMID: 26231554

Kiechle JE, Abouassaly R, Gross CP, Dong S, Cherullo EE, Zhu H, Trinh QD, Sun M, Meropol NJ, Hoimes CJ, Ialacci S, Kim SP. Racial Disparities in Partial Nephrectomy Persist Across Hospital Types: Results From a Population-based Cohort. *Urology*. 2016 Apr;90:69-74. doi: 10.1016/j.urology.2015.10.035. PMID: 26724412

Maurice MJ, Zhu H, Kim SP, Abouassaly R. Robotic prostatectomy is associated with increased patient travel and treatment delay. *Can Urol Assoc J*. 2016 May-Jun;10(5-6):192-201. PMID: 27713799

Maurice MJ, Zhu H, Kiechle JE, Kim SP, Abouassaly R. Comorbid Disease Burden is Independently Associated with Higher Risk Disease at Prostatectomy in Patients Eligible for Active Surveillance. *J Urol*. 2016 Apr;195(4P1):919-24. doi: 10.1016/j.juro.2015.10.120. PMID: 26519653

Maurice MJ, Zhu H, Kim SP, Abouassaly R. Increased use of partial nephrectomy to treat high-risk disease. *BJU Int*. 2016 Jun;117(6B):E75-86. doi: 10.1111/bju.13262. PMID: 26305770

Maurice MJ, Zhu H, Kim SP, Abouassaly R. Reexamining the Association Between Positive Surgical Margins and Survival After Partial Nephrectomy in a Large American Cohort. *J Endourol*. 2016 Jun;30(6):698-703. doi: 10.1089/end.2016.0031. PMID: 26888059

Zhang AY, Fu AZ, Moore S, Zhu H, Strauss G, Kresevic D, Klein E, Ponsky L, Bodner DR. Is a behavioral treatment for urinary incontinence beneficial to prostate cancer survivors as a follow-up care? *J Cancer Surviv.* 2016 Jun 24. [Epub ahead of print] PMID: 27341843

Wang EH, Yu JB, Abouassaly R, Meropol NJ, Cooper G, Shah ND, Williams SB, Gonzalez C, Smaldone MC, Kutikov A, Zhu H, Kim SP. Disparities in Treatment of Patients With High-risk Prostate Cancer: Results From a Population-based Cohort. *Urology.* 2016 Sep;95:88-94. doi: 10.1016/j.urology.2016.06.010. PMID: 27318264

Slopnick EA, Kim SP, Kiechle JE, Gonzalez CM, Zhu H, Abouassaly R. Racial Disparities Differ for African Americans and Hispanics in the Diagnosis and Treatment of Penile Cancer. *Urology.* 2016 Oct;96:22-28. doi: 10.1016/j.urology.2016.06.048. PMID: 27402373

Maurice MJ, Zhu H, Kim S, Abouassaly R. Survival after partial and radical nephrectomy for high-risk disease: A propensity-matched comparison. *Can Urol Assoc J.* 2016 Sep-Oct;10(9-10):E282-E289. PMID: 27695581

Bream MJ, Maurice MJ, Altschuler J, Zhu H, Abouassaly R. Increased Use of Cystectomy in Patients 75 and Older: a Contemporary Analysis of Survival and Perioperative Outcomes From the National Cancer Data Base. *Urology.* 2016 Oct 17. pii: S0090-4295(16)30701-4. doi: 10.1016/j.urology.2016.08.054. [Epub ahead of print] PMID: 27765588

Majerus SJ, Fletter PC, Ferry EK, Zhu H, Gustafson KJ, Damaser MS. Suburothelial Bladder Contraction Detection with Implanted Pressure Sensor. *PLoS One.* 2017 Jan 6;12(1):e0168375. doi: 10.1371/journal.pone.0168375. eCollection 2017. PMID: 28060842

Zhang AY, Fu AZ, Moore S, Zhu H, Strauss G, Kresevic D, Klein E, Ponsky L, Bodner DR. Is a behavioral treatment for urinary incontinence beneficial to prostate cancer survivors as a follow-up care? *J Cancer Surviv.* 2017 Feb;11(1):24-31. doi: 10.1007/s11764-016-0557-0. Epub 2016 Jun 24.

Campbell RA, Slopnick EA, Ferry EK, Zhu H, Kim SP, Abouassaly R. Disparity between pre-existing management of penile cancer and NCCN guidelines. *Urol Oncol.* 2017 Aug;35(8):531.e9-531.e14. doi: 10.1016/j.urolonc.2017.03.002. Epub 2017 Mar 28. PMID: 28363474

Klein EA, Chait A, Hafron JM, Kernan KM, Manickam K, Stephenson AJ, Wagner M, Zhu H, Kestranek A, Zaslavsky B, Stovsky M. The Single-parameter, Structure-based IsoPSA Assay Demonstrates Improved Diagnostic Accuracy for Detection of Any Prostate Cancer and High-grade Prostate Cancer Compared to a Concentration-based Assay of Total Prostate-specific Antigen: A Preliminary Report. *Eur Urol.* 2017 Apr 7. pii: S0302-2838(17)30236-1. doi: 10.1016/j.eururo.2017.03.025. [Epub ahead of print]. PMID: 28396176

Han Z, Li Y, Roelle S, Zhou Z, Liu Y, Sabatelle R, DeSanto A, Yu X, Zhu H, Magi-Galluzzi C, Lu ZR. Targeted Contrast Agent Specific to an Oncoprotein in Tumor Microenvironment with the Potential for Detection and Risk Stratification of

Prostate Cancer with MRI. *Bioconj Chem.* 2017 Apr 19;28(4):1031-1040. doi: 10.1021/acs.bioconjchem.6b00719. Epub 2017 Mar 9. PMID: 28201871

Minnillo BJ, Tabayoyong W, Francis JJ, Maurice MJ, Zhu H, Kim S, Abouassaly R. Cytoreductive nephrectomy in the modern era: Predictors of use, morbidity, and survival. *Can Urol Assoc J.* 2017 May;11(5):E184-E191. doi: 10.5489/cuaj.4137. Epub 2017 May 9. PMID: 28503232

Khanna A, Yerram N, Zhu H, Kim S4, Abouassaly R. Utilization of BCG for Non-Muscle Invasive Bladder Cancer in an Era of BCG Supply Shortages. *Urology.* 2018 Sep 13. pii: S0090-4295(18)30951-8. doi: 10.1016/j.urology.2018.07.055. [Epub ahead of print]

Lu ZR, Steinmetz NF, Zhu H. New Directions for Drug Delivery in Cancer Therapy. *Mol Pharm.* 2018 Sep 4;15(9):3601-3602. doi: 10.1021/acs.molpharmaceut.8b00860.

Crane A, Isharwal S, Zhu H. Current Therapeutic Strategies in Clinical Urology. *Mol Pharm.* 2018 Aug 6;15(8):3010-3019. doi: 10.1021/acs.molpharmaceut.8b00383. Epub 2018 Jun 28.

Deng K, Balog BM, Lin DL, Hanzlicek B, Song QX, Zhu H, Damaser MS Daily bilateral pudendal nerve electrical stimulation improves recovery from stress urinary incontinence. *Interface Focus.* 2019 Aug 6;9(4):20190020. doi: 10.1098/rsfs.2019.0020. Epub 2019 Jun 14. PMID: 31263536

Skolarus TA, Metreger T, Wittmann D, Hwang S, Kim HM, Grubb RL 3rd, Gingrich JR, Zhu H, Piette JD, Hawley ST. Self-Management in Long-Term Prostate Cancer Survivors: A Randomized, Controlled Trial. *J Clin Oncol.* 2019 May 20;37(15):1326-1335. doi: 10.1200/JCO.18.01770. Epub 2019 Mar 29. PMID: 30925126

Zhang AY, Ganocy S, Fu AZ, Kresevic D, Ponsky L, Strauss G, Bodner DR, Zhu H. Mood outcomes of a behavioral treatment for urinary incontinence in prostate cancer survivors. *Support Care Cancer.* 2019 Dec;27(12):4461-4467. doi: 10.1007/s00520-019-04745-w. Epub 2019 Mar 22. PMID: 30903368

Basu AS, Majerus S, Ferry E, Makovey I, Zhu H, Damaser MS. Is submucosal bladder pressure monitoring feasible? *Proc Inst Mech Eng H.* 2019 Jan;233(1):100-113. doi: 10.1177/0954411918754925. Epub 2018 Jan 29. PMID: 30799738

Khanna A, Yerram N, Zhu H, Kim S, Abouassaly R. Utilization of Bacillus Calmette-Guerin for Nonmuscle Invasive Bladder Cancer in an Era of Bacillus Calmette-Guerin Supply Shortages. *Urology.* 2019 Feb;124:120-126. doi: 10.1016/j.urology.2018.07.055. Epub 2018 Sep 13.

**National
Conference
Presentations**

Bream Matthew*, Matthew Maurice, Simon Kim, Hui Zhu, Robert Abouassaly. Cystectomy Associated with Improved Overall Survival in Very Elderly Patients with Muscle Invasive Bladder Cancer; Results from the National Cancer Data Base. American Urological Association Annual Meeting, San Diego, CA, 2016

Emily Slopnick*, Simon Kim, Jonathan Kiechle, Chris Gonzalez, Hui Zhu, Robert Abouassaly. Racial disparities differ for African Americans and Hispanics in the

diagnosis and treatment of penile cancer. American Urological Association Annual Meeting, San Diego, CA, 2016

Anand Patel*, Simon Kim, Matthew Maurice, John Kiechle, Hui Zhu, Robert Abouassaly. The effect of sociodemographic factors on the management of stage I Non-seminomatous Germ Cell Testicular tumors. American Urological Association Annual Meeting, San Diego, CA, 2016

Bream Matthew*, Matthew Maurice, Simon Kim, Hui Zhu, Robert Abouassaly. Increased Cystectomy Utilization in the Very Elderly Without Compromising Perioperative Outcomes: Results from the National Cancer Data Base. American Urological Association Annual Meeting, San Diego, CA, 2016

Bream Matthew*, Robert Abouassaly, Cleveland, OH, Marc Smaldone, Alex Kutikov, Philadelphia, PA, Nilay Shah, Stephen Boorjian, R. Houston Thompson, Rochester, MN, Christopher Gonzalez, Hui Zhu, Simon Kim, Cleveland. National Utilization of Retroperitoneal Lymph Node Dissection Among Patients With Kidney Cancer and Clinical Lymphadenopathy Undergoing Nephrectomy. American Urological Association Annual Meeting, San Diego, CA, 2016

Matthew Maurice, Hui Zhu, Simon Kim, Robert Abouassaly. Nonoperative Management Drives Renal Mass Biopsy in the Modern Era. American Urological Association Annual Meeting, New Orleans, LA, 2015 (**Selected for Best Poster of the Session**)

Kangli Deng, Danli Lin, Brett Hanzlicek, Qi-Xiang Song, Hui Zhu, Margot Damaser. Chronic Bilateral Pudendal Nerve Electrical Stimulation Improves Recovery from Simulated Childbirth Injury in a Stress Urinary Incontinence Model. American Urological Association Annual Meeting, New Orleans, LA, 2015

Iryna Makovey, Steve Majerus, Robert Karam, Brett Hanzlicek, Matthew Streicher, Hui Zhu, Margot Damaser. Wireless Implantable Rechargeable Bladder Pressure Sensor: Cystoscopic Implantation and Ambulatory Data Collection. American Urological Association Annual Meeting, New Orleans, LA, 2015

Matthew Maurice, Robert Abouassaly, Simon Kim, Hui Zhu. Age is the Primary Predictor of Renal Mass Observation. American Urological Association Annual Meeting, New Orleans, LA, 2015

Shan Dong, Jonathan E. Kiechle, Simon P. Kim, Robert Abouassaly, Edward E. Cherullo, Lee Ponsky, Cary P. Gross, Nilay D. Shah, Hui Zhu. Treatment Trends of Small Renal Masses in Patients of Advanced Age. American Urological Association Annual Meeting, New Orleans, LA, 2015

Jonathan E Kiechle, Cleveland, OH, Elyn Wang, James B Yu, Cary P Gross, Robert Abouassaly, Edward E Cherullo, Marc C Smaldone, Nilay D Shah, Quoc-Dien Trinh, Maxine Sun, Simon P Kim. Association Between Provider-level Factors and Lymph Node Dissection Outcomes During Radical Prostatectomy: A National Cancer Database Analysis. American Urological Association Annual Meeting, New Orleans, LA, 2015

Jonathan E Kiechle, Shan Dong, Robert Abouassaly, Hui Zhu, Edward E Cherullo, Nilay D Shah, Dean Nakamoto, Marc C Smaldone, Matthew M Cooney, Simon P

Kim. National Trends of Local Ablative Therapy Among Young Patients with Small Renal Masses. American Urological Association Annual Meeting, New Orleans, LA, 2015

Xiaoyong Fu, Dhruvi Patel, Hui Zhu, Gregory Maclennan, Yves Wang, Michael Jenkins, Andrew Rollins. A Miniature Forward-viewing Endoscopic Optical Coherence Tomography Probe For Renal Pelvic Imaging. American Urological Association Annual Meeting, New Orleans, LA, 2015

Jonathan E. Kiechle, Robert Abouassaly, William Tabayoyong, Shan Dong, Cleveland, OH, Marc C. Smaldone, Edward E. Cherullo, Cary P. Gross, Nilay D. Shah, Hui Zhu, Simon P. Kim. Variation in Surgical Margin Status by Surgical Approach Among Patients Undergoing Partial Nephrectomy for Small Renal Masses. American Urological Association Annual Meeting, New Orleans, LA, 2015

Ferry E.K. and Zhu, H. Dramatically Declining Use of Immunotherapy in the Era of Chemotherapy for Metastatic Renal Cell Carcinoma. American Urological Association Annual Meeting, Orlando, FL, 2014

Ferry E.K. and Zhu, H. Overtreatment of Low Stage Penile Cancer in the United States. American Urological Association Annual Meeting, Orlando, FL, 2014
Maurice, M. and Zhu, H. Hospital type predicts underuse of expectant management. American Urological Association Annual Meeting, Orlando, FL, 2014

Maurice, M., Zhu, H., and Abouassaly R. Is adjuvant radiation therapy underutilized in high-risk post-prostatectomy patients? American Urological Association Annual Meeting, Orlando, FL, 2014

Maurice, M. and Zhu, H. Persistent Underutilization of Expectant Management for Prostate Cancer: 2000-2009. American Urological Association Annual Meeting, San Diego, CA, 2013 (**Selected for Media Release by the 2013 AUA Annual Meeting**)

Maurice, M. and Zhu, H. Systemic Chemotherapy Has Been Increasingly Adopted For Urothelial Carcinoma Over the Last Decade in the United States. American Urological Association Annual Meeting, San Diego, CA, 2013

Maurice, M. and Zhu, H. Radical Prostatectomy Became Increasingly Popular or All-risk Prostate Cancer Over the Last Decades in the United States. American Urological Association Annual Meeting, San Diego, CA, 2013

Kohut, R.M. and Zhu, H. Stage I Seminoma: Trends in Utilization of Adjuvant Therapy Following Orchiectomy Using the National Cancer Database. American Urological Association Annual Meeting, Atlanta, Georgia, 2012

Kohut, R.M. and Zhu, H. Treatment of Low Stage Urothelial Carcinoma of the Ureter: Trends in Utilization of Endoscopic Management. American Urological Association Annual Meeting, Atlanta, Georgia, 2012

Fletcher, P., Majerus, S., Zhu, H., Boger, A., Garverick, S., Gustafson, K., and Damaser, M. Feasibility of Submucosal Bladder Pressure Sensing. American Urological Association Annual Meeting, Washington DC, 2011

Wang, H., Kang, W., Zhu, H., MacLennan, G., Rollin, A. Three-Dimensional Imaging of Ureter with Endoscopic Optical Coherence Tomography. American Urological Association Annual Meeting, Washington DC, 2011

Zhu, H., Roehl, K.A., Antenor, J.V., and Catalona, W.J. Clinical value of longitudinal free-to-total PSA ratio slope to diagnosis of prostate cancer. American Urological Association Annual Meeting, Orlando, Florida, 2002.

Zhu, H., Roehl, K.A., Antenor, J.V., and Catalona, W.J. Should we biopsy men with PSA of 2.6-4.0 ng/ml? American Urological Association Annual Meeting, Chicago, Illinois, 2003.

Roehl, K.A., Antenor, J.V., Zhu, H., and Catalona, W.J. Comparison of radical prostatectomy, radiotherapy, hormonal therapy, and watchful waiting for screen-detected prostate cancer: An Update. American Urological Association Annual Meeting, San Francisco, California, 2004.

Zhu, H., Roehl, K.A., Antenor, J.V., and Catalona, W.J. Is perineural invasion an independent predictor of biochemical progression in patients with organ confined disease after radical prostatectomy? American Urological Association Annual Meeting, San Francisco, California, 2004.

**Other
Selected
Presentations**

Minnillo, B.J., Zhu, H., Maurice, M.J., and Abouassaly, R. Trends in cytoreductive nephrectomy in the eras of immuno and targeted therapy. ASCO GU Symposium 2014. J Clin Oncol 32, 2014 (suppl 4; abstr 472)

Maurice, M.J., Abouassaly, R. and Zhu, H. A population-based study of expectant management utilization and its predictors for low-risk prostate cancer. ASCO GU Symposium 2014. J Clin Oncol 32, 2014 (suppl 4; abstr 68)

Maurice, M.J., Zhu, H, and Abouassaly, R. A population-based study of factors associated with post-prostatectomy radiation therapy utilization. ASCO GU Symposium 2014. J Clin Oncol 32, 2014 (suppl 4; abstr 182)

Ferry, E.K. and Zhu, H. Trends of multimodal therapy in high-stage penile cancer. ASCO GU Symposium 2014. J Clin Oncol 32, 2014 (suppl 4; abstr 370)

Ferry, E.K. and Zhu, H. Surgical management trends of penile cancer in the United States between 2000 and 2010. ASCO GU Symposium 2014. J Clin Oncol 32, 2014 (suppl 4; abstr 379)

Zhu, H., Melder, R.J., Baxter, L.T., and Jain, R.K. Physiologically-based kinetic model of effector cell biodistribution in mammals: Implications for adoptive immunotherapy. American Association for Cancer Research Meeting, Washington, D.C., 1996.

Zhu, H., Baxter, L.T., and Jain, R.K. Pharmacokinetics of monoclonal antibodies: scale-up from mouse to man. Biomedical Engineering Society Annual Meeting, Boston, MA, 1995.

Zhu, H., Baxter, L.T., and Jain, R.K. Limitations and potential of radioimmunodetection and radioimmunotherapy determined using a

physiologically-based pharmacokinetic model. Monoclonal Antibodies and Cancer Therapy, New York, NY, 1994.

Zhu, H., Baxter, L.T., and Jain, R.K. Physiologically-based kinetic model of effector cell biodistribution: Implication for adoptive immunotherapy. Radiation Research Society Annual Meeting, Nashville, TN, 1993.

Invited Talks

Zhu, H. Overtreatment of Low Risk Prostate Cancer in the US. Hubei Cancer Hospital, Wuhan, Hubei, China, September 19, 2015

Zhu, H. Sexual and Urinary Rehabilitation after Prostate Cancer Surgery. 2013 7th World Congress of the International Society of Physical and Rehabilitation Medicine, Beijing, China June 19, 2013

Zhu, H. Salvage Cryotherapy for Prostate Cancer after Radiation Treatment Failure. Tongji Hospital, Wuhan, China December 23, 2012

Zhu, H. Prostate Cancer Screening Controversy in USA

Zhu, H. From Pulse to Streptomycin: The Ideas of Clinical Trials. Chinese Urological Association Annual Meeting 2010, Xian, China October 13, 14, 2010

AUA-CUA Academic Exchange Scholar at Tongji Hospital, Wuhan, China August 3- September 3, 2010

Epidemiology and Diagnosis of Prostate Cancer in USA

Grading and Staging of Prostate Cancer in USA

Risk Adjusted Management of Prostate Cancer in USA

Resident Training in USA

Prostate Cancer Screening Controversy in USA

From Pulse to Streptomycin: The Ideas of Clinical Trials

Academic Services

Liaison officer for ACS Cancer Program, LSCDVAMC Cancer Committee 2006 – UHCMC Urology Department QA Committee 1/2010 – 2/2014

Teaching Services

CPCP Preceptorship 2006 for Case Western University School of Medicine Year I student

Male Infertility: Evaluation and Treatment 1/29/2010 Lecture for Case Western Reserve School of Medicine Year I students