

Curriculum Vitae and Bibliography

Erik P Castle, MD, FACS

Personal Information

Place of Birth: Miami, FL
Citizenship: United States of America
Work Address: Department of Urology #8642
Tulane University School of Medicine
1430 Tulane Avenue, Rm. 3509
New Orleans, LA 70112
Email Address: ecastle2@tulane.edu

Present Academic Rank and Position

Professor of Urology – Tulane University School of Medicine 08/2020 - Present

Education

The University of Texas at Austin - BA, Plan II Honors/Liberal Arts Graduate with Honors 1994
University of Texas, Southwestern Medical School - MD 1998
Truman Medical Center/St. Luke's Hospital Kansas City, Missouri - Internship, Surgery 1998 - 1999
Truman Medical Center/St. Luke's Hospital Kansas City, Missouri - Pre-Specialty Surgery 1999 - 2000
University of Kansas Medical Center - Resident, Urology 2000 - 2003
University of Kansas Medical Center - Resident, Chief Resident 2002 - 2003
Mayo Clinic in Arizona - Fellow, Laparoscopic and Reconstructive Urologic Surgery 2003 - 2004

Additional Education

Currently obtaining Masters of Public Health 2006
Tulane School of Public Health, New Orleans, Louisiana

Certification

Board Certifications

American Board of Urology

Urology 2006 - Present

Mayo Clinic Quality Academy

Mayo Clinic Quality Fellow: Bronze Level Certification 2017

Licensure

Louisiana 15472R - Expired (Medical)
Arizona 31621 (Medical)

Honors and Awards

AED - The University of Texas at Austin	01/1994
ALD - The University of Texas at Austin	01/1994
Chad L. Wargo Award - The University of Texas at Austin	01/1994
Dean's List - The University of Texas at Austin	01/1994
Ed Schutze Award - The University of Texas at Austin	01/1994
Honors Convocation - The University of Texas at Austin	01/1994
MAPS Honor Roll Program - The University of Texas at Austin	01/1994
NRTE Award - The University of Texas at Austin	01/1994
Plan II Honors Program - The University of Texas at Austin	01/1994
Texas Wrangler Honorary Association - The University of Texas at Austin	01/1994
Willis Pratt Award - The University of Texas at Austin	01/1994
Honors Earned in Urology - University of Texas, Southwestern Medical School	01/1998
NRTE - University of Texas, Southwestern Medical School	01/1998
Southwestern Medical Foundation Scholarship - University of Texas, Southwestern Medical School	01/1998
Texas Public Education Grant Award - University of Texas, Southwestern Medical School	01/1998
Pfizer Scholar - University of Kansas Medical Center	07/2002
First Place - Resident Essay and Presentation Competition, South Central Section - American Urological Association	10/2002
SLS Outstanding Laparoendoscopic Resident Surgeon - Awarding Organization	01/2003
Excellence in Urologic Education - Donald E. Novicki, MD Award	06/2008
Excellence in Urologic Education - Donald E. Novicki, MD Award	2016
Educator of the Year - Surgical Specialties - Mayo Clinic in Arizona, Mayo Clinic	2017

Previous Professional Positions and Major Appointments

Pediatric Surgery Coverage - Children's Mercy Hospital, Kansas City, Missouri	1999 - 2003
Clinical Instructor/Fellow - Department of Urology, Mayo Clinic, Scottsdale, Arizona	2003 - 2004
Assistant Professor, Laparoscopic and Reconstructive Urology, EndoOncology, Urologic Oncology, Minimally Invasive Urologic Surgery, General Urology - Department of Urology, Tulane University, New Orleans, Louisiana	2004 - 2006
Senior Associate Consultant - Department of Urology, Mayo Clinic, Phoenix, Arizona	01/2007 - 01/2010
Assistant Professor in Urology - Mayo Clinic College of Medicine and Science	03/2007 - 10/2007
Associate Professor in Urology - Mayo Clinic College of Medicine and Science	11/2007 - 05/2014
Director - Genitourinary Oncology Biorepository, Mayo Clinic in Arizona, Mayo Clinic	2009 - 2020
Consultant - Department of Urology, Mayo Clinic, Phoenix, Arizona	01/2021 - 2020
Program Director - Urology Residency Program, Department of Urology, Mayo Clinic, Phoenix, Arizona	2013 - 2020
Professor of Urology - Mayo Clinic College of Medicine and Science	06/2014 - 2020

Professional Memberships and Societies

Professional Memberships and Services

American Association of Clinical Urologists Member	01/2004 - Present
American College of Surgeons Fellow	2011 - Present
Candidate Associate Society (for residents) Membership Committee Member	2000 - 2002
American Medical Association Member	01/1999 - 12/2007
American Urological Association Member Guidelines Panel Microscopic Hematuria Guidelines Panel Panel Member	01/2000 - Present 2010 - 2012
International Laparoscopy Courses within Mexico Director	2008 - Present
Laparoscopic, Robotic & New Surgical Technology Committee Member	2009 - 2013
Arizona Urological Society Officer/Program Committee Chair	2015 - Present
Endourological Society Member	01/2000 - Present
Louisiana Cancer Research Consortium Member	01/2005 - 12/2007
Louisiana Urologic Member	01/2004 - 12/2006
National Comprehensive Cancer Network Guidelines Panel Early Detection of Prostate Cancer Panel Member	09/2014 - Present
National Comprehensive Cancer Network Early Detection of Prostate Cancer Guidelines Committee Member	2015 - Present
Society of Laparoendoscopic Surgeons Member	01/2003 - 12/2008
Society of Urological Robotic Surgeons (SURS) Founding Member President-Elect President Scientific Committee Co-Chair	2005 - Present 05/2008 - 05/2009 05/2009 - 05/2010 2005 - 2007
Society of Urology Chairpersons and Program Directors Board of Directors	2015 - 2016
Western Section of American Urological Association Representative	05/2015 - Present
Tulane Cancer Center Member	01/2005 - 12/2006

Urologic and Gynecologic Oncology Conference/Section
Co-Chair

01/2006 - 12/2006

Tulane Lakeside Hospital
OR Committee

Member	01/2006 - 12/2006
Tulane University	
Medical Group	
Billing and Collections Committee	
Member	2006
Western Section American Urological Association	
Prostate Program Committee	
Member	2014 - 2017

Journal Responsibilities

Journal Editorial Responsibilities

British Journal of Urology International
 Editorial Board
 Board Member
 Journal of Robotic Surgery
 Associate Editor
 MayoClinic.com
 Urology-"Ask a Specialist"
 Editor

Journal Other Responsibilities

British Journal of Urology International
 Reviewer
 European Eurology (platinum journal)
 Reviewer
 Journal of Cancer (online journal)
 Reviewer
 Journal of Endourology
 Reviewer
 Journal of Robotic Surgery
 Reviewer
 The Journal of Urology
 Reviewer
 Urology (gold journal)
 Reviewer

Education Interests and Accomplishments

Curriculum and Course Development

Robot Assisted Radical Cystectomy: Getting Started
 Co-Director - Post Graduate Course
 American Urological Association Annual Meeting

Robot Assisted Radical Cystectomy
 On-line Curriculum Development - Author and Update Editor
 American Urological Association

Post Graduate Course: Robotic Pelvic Surgery
 Co-Chair
 American College of Surgeons
 Chicago, Illinois
 10/2009

RARP: Live Surgery with Tips and Tricks for High-risk and Complex Cases Course Director - Post-graduate Course AUA Annual Meeting	05/2010
Robot Assisted Partial Nephrectomy: Live Surgery with Tips and Tricks with the Experts Course Director - Post-graduate Course AUA Annual Meeting	05/2010
Robotic Radical Cystectomy and Lymphadenectomy Course Director and Live Surgical Demonstration - Post Graduate Course American Urological Association Meeting Washington, District of Columbia	05/2011
Laparoscopic Nephrectomy Course Venezuelan Urology Congress Merida, Venezuela	07/2012
Testicular Cancer Co-Author American Urological Association Curriculum	2015 - Present

Teaching

Pediatric Urologic Oncology KU Urology Conference Kansas City, Kansas	10/19/2000
Current Treatment and Management of Invasive Transitional Cell Carcinoma of the Bladder KU Urology Conference Kansas City, Kansas	03/08/2001
Cryosurgery for Prostate Cancer KU Urology Conference Kansas City, Kansas	09/13/2001
Staghorn Calculi Association of Operating Room Nurses Conference, St. Luke's Hospital Kansas City, Kansas	11/13/2001
Retroperitoneal Liposarcoma KC Urologic Conference Kansas City, Missouri	02/21/2002
Laparoscopic Nephrectomy Pig Lab Instructor/Assistant University of Kansas Kansas City, Kansas	04/2003
Comparison of Hand-Assisted and Pure Laparoscopic Nephrectomy Mayo Clinic Urology Lecture Series Mayo Clinic Scottsdale, Arizona	09/09/2003
Minimally Invasive Surgery Course: Laparoscopic Nephrectomy Lecturer and Pig Lab Instructor Mayo Clinic Arizona Scottsdale, Arizona	09/18/2003
Laparoscopic Nephrectomy in the Pig Laparoscopic Urologic Surgery Course/Lab Pig and Dog Lab Instructor/Lecturer Guatemala City Medical School Guatemala City, Guatemala	07/28/2006

Laparoscopic Nephrectomy in the Dog Laparoscopic Urologic Surgery Course/Lab Pig and Dog Lab Instructor/Lecturer Guatemala City Medical School Guatemala City, Guatemala	07/28/2006
Laparoscopic Surgery Course Pig Lab Instructor Instituto de Cancer Mexico City, Mexico	10/18/2006
Potential Role of Combining Selective Estrogen Receptor Modulators SPORE Prostate Cancer Speaker Series Mayo Clinic Rochester, Minnesota	08/2007
Bicalutamide in Androgen-Dependent and Independent Prostate Cancer Cells SPORE Prostate Cancer Speaker Series Mayo Clinic Rochester, Minnesota	08/2007
Cystectomy and Urinary Diversions in the Female Patient Gynecology Grand Rounds Mayo Clinic Phoenix, Arizona	10/2007
Role Chemotherapy in Muscle Invasive Bladder Cancer Hematology/Oncology Grand Rounds Mayo Clinic Scottsdale, Arizona	12/2007
Robot Assisted Radical Cystectomy Live Broadcast Orlando, Florida	2008
Evaluation of Gross and Microscopic Hematuria CIM Educational Conference Mayo Clinic Scottsdale, Arizona	07/18/2008
Getting Started with Robotic Radical Prostatectomy Invited Faculty - Post Graduate Course: Robotics: Getting Started American Urological Association Annual Meeting Chicago, Illinois	04/2009
Robot Assisted Radical Cystectomy Live Broadcast Orlando, Florida	2010
Getting Started with Robotic Radical Prostatectomy Invited Faculty - Post Graduate Course: Robotics: Getting Started American Urological Association Annual Meeting San Francisco, California	05/2010
Robot Assisted Radical Cystectomy Live Broadcast Chicago, Illinois	2011
Robot Assisted Radical Cystectomy Live Broadcast Orlando, Florida	2011
Laparoscopic Donor Nephrectomy Live Broadcast Mexico City, Mexico	2011
Male Cystectomy and Getting Started Post Graduate Course	05/2011

American Urological Association Meeting
Washington, District of Columbia

Robot Assisted Radical Prostatectomy 2012
Live Broadcast
Spain

Getting Started 05/2013
Invited Faculty
American Urological Association Annual Meeting

Male Cystectomy 05/2013
Invited Faculty
American Urological Association Annual Meeting

Mentorship

Atug, Fatih (International Fellow) 01/2003 - 01/2006

Description: Mentored as an International Fellow

Current Status: Appointed Associate Professor, Dicle University, Turkey

Outcome: More than 9 podium and/or poster presentations at International and National Meetings. Publications noted in Bibliography

Lowentritt, Benjamin (Fellow) 01/2005 - 01/2006

Description: Mentored during his Endourology and Laparoscopy Fellowship

Current Status: Practicing as a private practice urologist in Baltimore, MD

Outcome: 4 podium/poster presentations at National and Regional meetings. Publication noted in Bibliography

Woods, Michael (Fellow) 01/2006 - 01/2007

Description: Mentored during his Endourology and Laparoscopy Fellowship

Current Status: Associate Professor at University of North Carolina - Chapel Hill

Outcome: 5 poster and/or poster presentations at National and Regional Meetings. Publications noted in Bibliography

Martin, Aaron (Urology Resident) 01/2007 - 01/2011

Description: Mentored during his residency in research and application for fellowship.

Current Status: Assistant Professor - Oschner Medical Center, New Orleans, LA

Outcome: Over 12 podium and/or poster presentations at National and Regional Meetings. Publications noted in Bibliography.

Martin, George (Urology Resident) 01/2007 - 01/2011

Description: Mentored during his residency in research and application for fellowship

Current Status: Private Practice-fellowship in Laparoscopic and Minimally Invasive Urology

Outcome: Over 8 podium and poster presentations at national and Regional Meetings. Publications noted in Bibliography.

Nunez, Rafael (Research Trainee) 01/2007 - 06/2013

Description: Mentored during Research Fellowship, numerous projects including, basic science, animal models and retrospective data management and paper reviews.

Current Status: Resident in Urology, Mayo Clinic, Phoenix AZ

Outcome: More than 11 presentations at Regional, National and International Meetings. Publications noted in Bibliography.

Mmeje, Chinedu (Urology Resident) 01/2008 - Present

Description: Mentored as a urology resident in outcomes and urologic oncology, assisted with fellowship application and grant submission for fellowship

Current Status: Accepted as Urological Oncology Fellow at MD Anderson Cancer Center-Houston, TX

Outcome: Over 6 podium and poster presentations at National and Regional Meetings. Publications noted in Bibliography.

Andrews, Jack (Research Trainee)	01/2009 - 01/2010
Description: Project: Clinical research in prostate cancer	
Current Status: Medical Student at the University of Oklahoma	
Outcome: Publication noted in Bibliography	
Andrews, Anne (Research Trainee)	01/2010 - 01/2011
Description: Project: Cell culture and basic science in prostate cancer	
Current Status: Student at Trinity University in San Antonio Texas	
Outcome:	
Ferrigni, Erin (Research Trainee)	01/2010 - 01/2012
Description: Project: Mouse models for prostate cancer	
Current Status: Student at the University of Arizona, Applying to Medical School	
Outcome:	
Haupt, Shawn (Research Trainee)	01/2012 - 01/2013
Description: Project: Clinical research in radical cystectomy	
Current Status: Student at Barrett's Honors College - ASU. Applying to medical school. Mentor for Masters Thesis.	
Outcome:	

Institutional/Departmental Administrative Responsibilities, Committee Memberships and Other Activities

Mayo Clinic

Department of Education Administration

AskMayoExpert

Knowledge Content Board - Urology

Member

Department of Urology

Prostate/Non-Prostate Genitourinary Committee

Co-Chair

2016 - Present

Enterprise Robotics Committee

Chair

2015 - Present

Local Robotics Committee

Local Site Chair

2015 - Present

Mayo Clinic Task Forces/Work Groups

Lower Genitourinary Disease Oriented Group (DOG)

Chair

2014 - 2015

Mayo Enterprise

Lower Genitourinary Oncology Specialty Council

Chair

2013 - Present

Mayo Clinic in Rochester

Mayo Clinic Graduate Education Committee

Graduate Education Subcommittee - Arizona

Member

2013 - Present

Mayo Clinic in Arizona

Department of Surgery

Arizona Robotics Interest Group

Chair

2012 - Present

Disease Oriented Group (DOG)

Member

01/2008 - Present

Department of Urology

GU Disease Working Group

Member	2007 - 2013
Lower GU Specialty Council	
Chair	2013 - 2015
Upper GU Specialty Council	
Member	2013 - 2016
Residency Program	
Associate Director	01/2007 - 06/2013
Urologic Cancer Research	
Director	01/2007 - Present
Urology Residency Program	
Program Director	07/2013 - Present
Mayo Clinic Arizona Committees	
Executive Operations Team	
Clinical Practice Committee	
Member	2015 - Present
Executive Operations Team - Arizona	
Clinical Practice Committee - Arizona	
Hospital Practice Subcommittee	
Member	2011 - Present
Quality Oversight Committee	
Member	2011 - 2015
Research Committee	
Member	01/2008 - 2011
Surgical Committee	
Surgical DOG Committee	
Member	2011 - 2012

Presentations Extramural

National or International

Invited

Prostate Cancer and the Role of Robotic Surgery AORN Course Instruction New Orleans, Louisiana	04/02/2005
El Manejo de Cancer de la Vejiga Invasivo El Congreso de Honduras Tegucigalpa, Honduras	11/30/2005
Funcion Sexual y Cancer de la Prostata El Congreso de Honduras Tegucigalpa, Honduras	11/30/2005
Prevencion de Cancer de la Prostata El Congreso de Honduras Tegucigalpa, Honduras	11/30/2005
El Manejo de Cancer de la Vejiga Invasivo Guatemalan Congress Antigua, Guatemala	07/28/2006
Incontinencia Guatemalan Congress Antigua, Guatemala	07/28/2006

Nefrectomia Laparoscopica Guatemalan Congress Antigua, Guatemala	07/28/2006
Bladder Cancer Laparoscopic Congress Instituto de Cancer Mexico City, Mexico	10/18/2006
Laparoscopic Partial Nephrectomy Laparoscopic Congress Instituto de Cancer Mexico City, Mexico	10/18/2006
Laparoscopic Radical Nephrectomy Laparoscopic Congress Instituto de Cancer Mexico City, Mexico	10/18/2006
Robotic Assisted Radical Cystectomy Laparoscopic Congress Instituto de Cancer Mexico City, Mexico	10/18/2006
Neoadjuvant Chemotherapy with Radical Cystectomy Society of Mexican Urology Meeting Cancun, Mexico	2007
The Future of Robotics Annual Technical Advances in Minimally Invasive Surgery Costa Rica	02/2008
Robot Assisted Radical Cystectomy in the Male European Robotic Urology Symposium Prague, Czech Republic	09/2008
Robot Assisted Radical Cystectomy: Is It Ready for Prime Time? Western Section AUA Monterey, California	10/2008
Robotic Assisted Radical Cystectomy: Review of the Literature Society of Urologic Oncology Bethesda, Maryland	12/2008
Robot Assisted Radical Cystectomy: Is it Ready for Primetime? Mayo Clinic Urology Reviews Big Island, Hawaii	02/2009
Prostate Screening Mayo Clinic Clinical Reviews Scottsdale, Arizona	03/2009
Critical Steps in a Successful Robotic Cystectomy American Urological Association Annual Meeting Chicago, Illinois	04/2009
RARC: Urinary Diversion Techniques for Ileal Conduit and Neobladder World Urology Robotic Symposium Orlando, Florida	04/2009
Cistectomia radical asistida con robot SOLCIMI (Asociacion Latinoamerica de Cirugia Minamente Invasiva) Santiago, Chile	08/2009

Experience with RARC and RARP Including Lymphadenectomy for High Risk Patients Evaluating and Treating Genitourinary Malignancies Cincinnati, Ohio	08/2009
Nefrectomia Parcial para tumors complejos, casos dificiles, trucos y secretos SOLCIMI (Asociacion Latinoamerica de Cirugia Minamente Invasiva) Santiago, Chile	08/2009
Robotic Cystectomy: Current Technique and Outcomes 2nd Annual World Robotic Urology Symposium Sao Paulo, Brazil	08/2009
Robotic Radical Prostatectomy: The Learning Curve 2nd Annual World Robotic Urology Symposium Sao Paulo, Brazil	08/2009
Etiology and Management of Recurrent Bladder Infections 18th Annual Urogynecology and Disorders of the Female Pelvic Floor Scottsdale, Arizona	09/2009
Recognition and Management of Ureteral Injury 18th Annual Urogynecology and Disorders of the Female Pelvic Floor Scottsdale, Arizona	09/2009
Robotic-Assisted Cystectomy: Step-by-step European Robotic Urology Symposium Padua, Italy	09/2009
State-of-the-art Lecture: Robotic-assisted RPLND: Technique and outcomes European Robotic Urology Symposium Padua, Italy	09/2009
Other Applications of Robotic Surgery: Partial Nephrectomy, Cystectomy and Sacrocolpopexy North Central Section AUA Scottsdale, Arizona	11/2009
Early Ligation of Ureters and Lymphadenectomy First International Robotic Urology Symposium Las Vegas, Nevada	01/2010
Point-counterpoint: Is Robotic Assisted Lymphadenectomy as Good as Open Surgery: Yes! Pan American Robotic Oncology Symposium Houston, Texas	02/2010
Robot Assisted Radical Cystectomy 2010 Bladder and Kidney Symposium Melbourne, Australia	02/2010
Robotic Specific Complications: Lessons Learned Pan American Robotic Oncology Symposium Houston, Texas	02/2010
Selective Vascular control in Minimally Invasive Partial Nephrectomy 2010 Bladder and Kidney Symposium Melbourne, Australia	02/2010
Training and Curricula in RARP: The Mayo Clinic Perspective Pan American Robotic Oncology Symposium Houston, Texas	02/2010

Value of Urinary Biomarkers for Bladder Cancer 2010 Bladder and Kidney Symposium Melbourne, Australia	02/2010
Minimally Invasive Management of Ureteral Injury 19th Annual Urogynecology and Disorders of the Female Pelvic Floor Scottsdale, Arizona	04/2010
Robotic Approaches to the Bladder: Anatomy and Radical Surgery 19th Annual Urogynecology and Disorders of the Female Pelvic Floor Scottsdale, Arizona	04/2010
Lymphadenectomy: Obturator, Standard and Extended American Urological Association Annual Meeting San Francisco, California	05/2010
RAPN: Selective Clamping and Ischemia American Urological Association Annual Meeting San Francisco, California	05/2010
Robotic Assisted Retroperitoneal Lymph Node Dissection 2nd Annual Istanbul Robotic Urology Symposium Istanbul, Turkey	06/2010
Robotic Radical Cystectomy: Pro 2nd Annual Istanbul Robotic Urology Symposium Istanbul, Turkey	06/2010
Complex Cases: Tips and Tricks Miami Robotics Symposium Miami, Florida	10/2010
Port Placement: Transition from Open to Robotic Prostatectomy Miami Robotics Symposium Miami, Florida	10/2010
Step-by-step Robot Assisted Radical Cystectomy and Urinary Diversion Miami Robotics Symposium Miami, Florida	10/2010
Advanced Techniques During Robotic Partial Nephrectomy 2nd Annual Robotic Urology Symposium Winston-Salem, North Carolina	11/2010
Robotic Radical Cystectomy - Oncologic Outcomes 2nd Annual Robotic Urology Symposium Winston-Salem, North Carolina	11/2010
Robotic Radical Cystectomy - Step-by-step 2nd Annual Robotic Urology Symposium Winston-Salem, North Carolina	11/2010
Cistectomia radical asistida por robot: resultados oncologicos IX Congreso de Actualizacion Urologia Oncologica Caracas, Venezuela	02/2011
Cistectomia radical por robot con conducto ileal intracorporeo: paso a paso IX Congreso de Actualizacion Urologia Oncologica Caracas, Venezuela	02/2011
Nefrectomia parcial asistada por robot: como minimizer el tiempo de isquemia caliente IX Congreso de Actualizacion Urologia Oncologica Caracas, Venezuela	02/2011

RARP: Realistic Outcomes Irish Robotic Prostatectomy Symposium Galway, Ireland	03/2011
Round Table Presentations: Complex Cases in RAPN Robotic Partial Nephrectomy Symposium: Nuts and Bolts Los Angeles, California	03/2011
Challenging Cases in RARP: Tips and Tricks 4th Annual World Robotic Symposium Latin America Sao Paulo, Brazil	09/2011
Optimal Integration of Targeted Therapies for Renal Cell Carcinoma Puerto Rico Urological Association - 62nd Annual Meeting San Juan, Puerto Rico	09/2011
Robot Assisted Radical Cystectomy Puerto Rico Urological Association - 62nd Annual Meeting San Juan, Puerto Rico	09/2011
Robotic Pyeloplasty: Operative Techniques and Current Outcomes 4th Annual World Robotic Symposium Latin America Sao Paulo, Brazil	09/2011
State of the Art: Robotic Bladder Surgery 4th Annual World Robotic Symposium Latin America Sao Paulo, Brazil	09/2011
Establishment of a Comprehensive Genitourinary Oncology Biorepository Young Urologic Oncologists Dinner Presentation Society of Urologic Oncology Bethesda, Maryland	11/2011
Intracorporeal Urinary Diversion for Bladder Cancer Advanced Laparoscopic and Robotic Urologic Oncology: Curing Cancer Through Technology and Skill Irvine, California	01/2012
Role of chemotherapy and Radical Cystectomy for Muscle Invasive Bladder cancer Clinical Hematology and Oncology: The 9th Annual Mayo Review Scottsdale, Arizona	01/2012
Robotic Radical Cystectomy: Lessons Learned Mayo Clinic Reviews in Urology Big Island, Hawaii	02/2012
Realistic and Validated Outcomes of RARP Kansas Urology Society and Missouri Urological Association Meeting Kansas City, Missouri	03/2012
Small Renal Masses and What to Do with Them: Critical Discussion Kansas Urology Society and Missouri Urological Association Meeting Kansas City, Missouri	03/2012
Tips and Tricks of the Trade: Robotic Surgery Kansas Urology Society and Missouri Urological Association Meeting Kansas City, Missouri	03/2012
Extending the Indications for Minimally Invasive Partial Nephrectomy Using Robotic Surgery American Urological Association Plenary Session Atlanta, Georgia	05/2012

Nephron-sparing Surgery for Kidney Cancer 10th Annual Mayo Clinic Case Based Hematology and Oncology 2013 Scottsdale, Arizona	01/2013
Chemotherapy for Bladder Cancer Association of Costa Rica Urologists Guanacaste, Costa Rica	02/2013
Molecular Markers for Bladder Cancer: What's New? Association of Costa Rica Urologists Guanacaste, Costa Rica	02/2013
Role of Cystectomy for NMIBC Association of Costa Rica Urologists Guanacaste, Costa Rica	02/2013
Systemic Therapy for Kidney Cancer Association of Costa Rica Urologists Guanacaste, Costa Rica	02/2013
Oral	
Cryosurgery: Is it Ready for Prime Time? Us Too Organization, KU Medical Center Kansas City, Kansas	11/15/2001
Pediatric Bladder Diverticula and Infections: A Thirteen Year Experience The Society for Pediatric Urology 51st Annual Meeting Orlando, Florida	05/27/2002
Erectile Dysfunction SUNA Annual Meeting Kansas City, Missouri	09/27/2002
Staghorn Calculi SUNA Annual Meeting Kansas City, Missouri	09/27/2002
Laparoscopic Partial Nephrectomy Without Hilar Clamping Society of Urologic Oncology Young Urologic Oncologist's Forum Bethesda, Maryland	12/04/2003
Efficacy of Combining Selective Estrogen Receptor Modulators and Casodex TM in Androgen-Dependent Prostate Cancer Cells Society of Urologic Oncology Young Urologic Oncologist's Forum Bethesda, Maryland	12/04/2004
Laparoscopic Partial Nephrectomy Without Hilar Vessel Clamping Oral Presentation European Association of Urology, XXth Congress Istanbul, Turkey	2005
A Novel Application of a New Hemostatic Agent for the Management of Simulated Laparoscopic Trocar Injury American Urological Association, Annual Meeting San Antonio, Texas	05/2005
Laparoscopic and Open Partial Nephrectomies: A Comparison of Non-clamping Versus Clamping Techniques American Urological Association, Annual Meeting San Antonio, Texas	05/2005

Laparoscopic Partial Nephrectomy: Renal Function Evaluation of Effect of Clamping Versus Non-clamping American Urological Association, Annual Meeting San Antonio, Texas	05/2005
Laparoscopic Pyeloplasty for Ureteropelvic Junction Obstruction: Comparing Davinci Robotic to Classic Laparoscopic Pyeloplasty American Urological Association, Annual Meeting San Antonio, Texas	05/2005
Percutaneous Interventions in Renal Transplant Complications American Urological Association, Annual Meeting San Antonio, Texas	05/2005
Percutaneous Interventions in Renal Transplant Complications American Urological Association San Antonio, Texas	05/25/2005
A Novel Application of a New Hemostatic Agent (MPH®) For Management of Simulated Laparoscopic Trocar Injury to the Porcine Kidney and Spleen 23rd World Congress on Endourology & SWI 21st Basic Research Symposium Amsterdam, Netherlands	08/2005
Does Concomitant Lymphadenectomy During Robotic Radical Prostatectomy Affect Outcome? 23rd World Congress on Endourology & SWI 21st Basic Research Symposium Amsterdam, Netherlands	08/2005
Laparoscopic en Bloc Resection of Locally Advanced Renal Cell Carcinoma and Overlying Right Colon: A Multidisciplinary Approach 23rd World Congress on Endourology & SWI 21st Basic Research Symposium Amsterdam, Netherlands	08/2005
Laparoscopic Nephrolithotomy: A Minimally Invasive Treatment Option 23rd World Congress on Endourology & SWI 21st Basic Research Symposium Amsterdam, Netherlands	08/2005
Learning Curve in Robotic Radical Prostatectomy 23rd World Congress on Endourology & SWI 21st Basic Research Symposium Amsterdam, Netherlands	08/2005
Long Term Follow-up of Laparoscopic Ablation/Decortication of Renal Cysts in 43 Patients 23rd World Congress on Endourology & SWI 21st Basic Research Symposium Amsterdam, Netherlands	08/2005
Partial Nephrectomy: The Effect of Clamping Versus Non-clamping on Renal Function 23rd World Congress on Endourology & SWI 21st Basic Research Symposium Amsterdam, Netherlands	08/2005
Partial Nephrectomy: The Effect of Clamping Versus Non-clamping on Renal Function 23rd World Congress on Endourology & SWI 21st Basic Research Symposium Amsterdam, Netherlands	08/2005
Positive Surgical Margins in Robotic Radical Prostatectomies: Impact of Learning Curve on Oncologic Outcomes 23rd World Congress on Endourology & SWI 21st Basic Research Symposium Amsterdam, Netherlands	08/2005
Renal Lesions too Small to Classify by CT: Outcome Study Based on Follow-up for 18-62 Months (38 Mean) by Multiphasic Helical CT or Laparoscopy	08/2005

23rd World Congress on Endourology & SWI 21st Basic Research Symposium Amsterdam, Netherlands	
Robotic Partial Ureterectomy for Upper Ureteral Tumor: A Conservative Approach 23rd World Congress on Endourology & SWI 21st Basic Research Symposium Amsterdam, Netherlands	08/2005
Robotic-assisted Radical Cystoprostatectomy with Extended Bilateral Pelvic Lymphadenectomy and Studer Pouch 23rd World Congress on Endourology & SWI 21st Basic Research Symposium Amsterdam, Netherlands	08/2005
Technical Modifications During Robotic Pyeloplasty for Management of Concurrent Renal Calculi 23rd World Congress on Endourology & SWI 21st Basic Research Symposium Amsterdam, Netherlands	08/2005
The Use of Microporous Polysaccharide Hemospheres to Control Bleeding From Renal Injury 23rd World Congress on Endourology & SWI 21st Basic Research Symposium Amsterdam, Netherlands	08/2005
The Use of Microporous Polysaccharide Hemospheres to Control Bleeding From Splenic Injury 23rd World Congress on Endourology & SWI 21st Basic Research Symposium Amsterdam, Netherlands	08/2005
Robotic Partial Ureterectomy for Upper Ureteral Tumor: A Conservative Approach American Urological Association, Annual Meeting Atlanta, Georgia	05/2006
The Complex Uretero-pelvic Junction Obstruction: The Robotic Approach American Urological Association, Annual Meeting Atlanta, Georgia	05/2006
Complex Uretero-pelvic Junction Obstruction: The Robotic Approach 24th World Congress of Endourology Cleveland, Ohio	08/2006
Impact of Body Mass Index on Perioperative Morbidity After Robotic Assisted Radical Prostatectomy 24th World Congress of Endourology Cleveland, Ohio	08/2006
Laparoscopy: Miscellaneous Moderator of Session 24th World Congress of Endourology Cleveland, Ohio	08/2006
Management of UPJ in the Presence of Crossing Vessels During Robotic Pyeloplasty 24th World Congress of Endourology Cleveland, Ohio	08/2006
Robotic Assisted Pyeloplasty: A Step by Step Approach to Enhance UPJO Management 24th World Congress of Endourology Cleveland, Ohio	08/2006
Robotic-assisted Extended Pelvic Lymphadenectomy: Technical Points and Considerations 24th World Congress of Endourology Cleveland, Ohio	08/2006

Robotic-assisted Radical Cystectomy in 20 Patients 24th World Congress of Endourology Cleveland, Ohio	08/2006
Robotic-assisted Radical Cystectomy in the Female Patient 24th World Congress of Endourology Cleveland, Ohio	08/2006
Robotic-assisted Radical Cystectomy with Orthotopic Neobladder 24th World Congress of Endourology Cleveland, Ohio	08/2006
Robotic-assisted Sacrocolpopexy 24th World Congress of Endourology Cleveland, Ohio	08/2006
Robotic-assisted Sacrocolpopexy in 6 Patients 24th World Congress of Endourology Cleveland, Ohio	08/2006
Transperitoneal Versus Extraperitoneal Robotic-assisted Radical Prostatectomy: Is One Better than the Other? 24th World Congress of Endourology Cleveland, Ohio	08/2006
Laparoscopic Partial Nephrectomy: Technical Considerations and Pitfalls in Complex Cases American Urological Association, Annual Meeting Anaheim, California	05/2007
Robotic Assisted Extended Pelvic Lymphadenectomy American Urological Association, Annual Meeting Anaheim, California	05/2007
Robotic-assisted Sacrocolpopexy American Urological Association, Annual Meeting Anaheim, California	05/2007
Robot Assisted Retroperitoneal Lymph Node Dissection Video Presentation Western Section AUA Monterey, California	10/2008
Robotic removal of Migrated Inferior Vena Cava Filter Robotic Video Presentation Mountain Vascular Society, 34th Annual Meeting Breckenridge, Colorado	08/2013
Malfuncionamiento de Autosuturadoras Lineales Cortantes en la Cirugia Urologica Video Presentation XXXIII Congreso CAU, XIX Congreso SIUP, IX Congreso Uruguayo de Urologia y Jornadas Rioplatenses de Urologia Punta del Este, Uruguay	11/2014
Poster	
Complications of Laparoscopic Nephrectomy: The Mayo Clinic Scottsdale Experience Poster Presentation 21st World Congress on Endourology and Shockwave Lithotripsy Montreal, Quebec, Canada	09/22/2003
Laparoscopic Partial Nephrectomy without Hilar Clamping: The Mayo Clinic Experience	05/11/2004

Poster Presentation
AUA National Meeting
San Francisco, California

Efficacy of Combining Selective Estrogen Receptor Modulators and CasodexTM
in Androgen-Dependent Prostate Cancer Cells 12/03/2004
Poster Presentation
Society of Urologic Oncology
Bethesda, Maryland

The Impact of Performing Concomitant Lymphadenectomy During Robotic
Radical Prostatectomy 12/03/2004
Poster Presentation
Society of Urologic Oncology
Bethesda, Maryland

Contemporary Management of Upper Tract Nephrolithiasis: Role of Laparoscopic
Intervention 2005
Poster Presentation
European Association of Urology, XXth Congress
Istanbul, Turkey

Cost-analysis of Radical Retropubic, Perineal, and Robotic Laparoscopic
Prostatectomy: A Single Institutional Analysis 2005
Poster Presentation
European Association of Urology, XXth Congress
Istanbul, Turkey

Failed Pyeloplasty: Role of Robotics in the Management of Recurrent
Ureteropelvic Junction Obstruction 2005
European Association of Urology, XXth Congress
Istanbul, Turkey

Laparoscopic and Open Partial Nephrectomies: A Comparison of Non-clamping
Versus Clamping Techniques 2005
Poster Presentation
European Association of Urology, XXth Congress
Istanbul, Turkey

Laparoscopic Pyeloplasty for Ureteropelvic Junction Obstruction: Comparing
daVinci Robotic to Classic Laparoscopic Pyeloplasty 2005
Poster Presentation
European Association of Urology, XXth Congress
Istanbul, Turkey

Robotic Pyeloplasty in Paediatric Patient 2005
Poster Presentation
European Association of Urology, XXth Congress
Istanbul, Turkey

Technical Modifications to Facilitate Robot-assisted Laparoscopic Pyeloplasty in
the Treatment of Ureteropelvic Junction Obstruction (UPJO) 2005
Poster Presentation
European Association of Urology, XXth Congress
Istanbul, Turkey

Regional

Invited

Laparoscopic Renal Surgery 02/25/2005
Harry Spence Lecturer
North Texas American College of Surgeons
Dallas, Texas

Lap Partial Nephrectomy: Current State of the Art Aspen Urological Aspen, Colorado	01/2007
Neoadjuvant Chemotherapy in Muscle Invasive Bladder Cancer Aspen Urological Aspen, Colorado	01/2007
Tips and Techniques in Robot Assisted Radical Cystectomy (RARC) Aspen Urological Aspen, Colorado	01/2007
Tips and Techniques in Robot Assisted Radical Prostatectomy (RARP) Aspen Urological Aspen, Colorado	01/2007
State-of-the-art: Current Role of Robotic Surgery and Neoadjuvant Chemotherapy for Muscle Invasive Bladder Cancer Arizona Urological Society Annual Meeting Tucson, Arizona	04/2010
Oral	
Laparoscopic Management of a Page Kidney AUA/South Central Section 80th Annual Meeting Austin, Texas	09/09/2001
Laparoscopic Management of a Page Kidney AUA/South Central Section 80th Annual Meeting Austin, Texas	09/09/2001
Pediatric Bladder Diverticula I-70 Conference 1st Annual Meeting Columbia, Missouri	04/2002
The Utility of Bladder Scanning for Ileal Neobladders I-70 Conference 1st Annual Meeting Columbia, Missouri	04/2002
Clinical Staging of Unstageable Prostate Cancer: Evaluation from CAPSURE Database AUA/South Central Section 81st Annual Meeting Colorado Springs, Colorado	10/05/2002
Infections and Voiding Dysfunction Associated with Pediatric Bladder Diverticula: A Thirteen Year Experience AUA/South Central Section 81st Annual Meeting Colorado Springs, Colorado	10/05/2002
The Utility of Bladder Scanning for Ileal Neobladders AUA/South Central Section 81st Annual Meeting Colorado Springs, Colorado	10/09/2002
The Male Perineal Sling: The Mayo Clinic Scottsdale Experience AUA/Western Section Lake Las Vegas, Nevada	11/04/2003
Complications of Laparoscopic Nephrectomy: The Mayo Clinic Scottsdale Experience AUA/Western Section Lake Las Vegas, Nevada	11/05/2003
Clinical Symptoms Correlating to Abnormal Flow and Pressure in the Left Renal Vein	03/05/2005

AUA/Southeastern Section
Charleston, South Carolina

Percutaneous Interventions in Renal Transplant Complications 03/05/2005
AUA/Southeastern Section
Charleston, South Carolina

Renal Lesions Too Small to Classify by CT: Outcome Study Based on Follow-up 03/05/2005
for 18-62 Months (38 Mean) by Multiphasic Helical CT or Laparoscopy
AUA/Southeastern Section
Charleston, South Carolina

Contemporary Management of Upper Tract Nephrolithiasis: Role of Laparoscopic 11/2005
Intervention
99th Annual Scientific Assembly, Southern Medical Association
San Antonio, Texas

Cost-analysis of Radical Retropubic, Perineal and Robotic Laparoscopic 11/2005
Prostatectomy: A Single Institution Analysis
99th Annual Scientific Assembly, Southern Medical Association
San Antonio, Texas

Laparoscopic Pyeloplasty for Ureteropelvic Junction Obstruction: Comparing 11/2005
DaVinci Robotic to Classic Laparoscopic Pyeloplasty
99th Annual Scientific Assembly, Southern Medical Association
San Antonio, Texas

Renal Lesions too Small to Classify by CT: Outcome Study Based on Follow-up 11/2005
for 18 to 62 Months (38 Mean) by Multiphasic Helical CT or Laparoscopy
99th Annual Scientific Assembly, Southern Medical Association
San Antonio, Texas

Poster

Clinical Staging of Unstageable Prostate Cancer: Evaluation From the CAPSURE 11/14/2002
Database
Faculty Research Day
University of Kansas Medical Center
Kansas City, Kansas

Laparoscopic Partial Nephrectomy 05/10/2004
Academic Excellence Day
Mayo Clinic Arizona
Scottsdale, Arizona

Visiting Professorship

Visiting Professorships

Laparoscopic Renal Surgery 10/25/2005
Urology Department/Visiting Professor
University of Kansas
Kansas

Robotic Assisted Radical Cystectomy 10/25/2005
Urology Department/Visiting Professor
University of Kansas
Kansas

Robot Assisted Radical Cystectomy 06/2007
Edgar Burns Visiting Professor, Tulane University
New Orleans, Louisiana

Robot Assisted Pyeloplasty 10/2007
University of Oklahoma
Norman, Oklahoma

Live Surgery Demonstration: Robot Assisted Radical Cystectomy Ridon Lecture Visiting Professor - University of Connecticut, Hartford Hospital Hartford, Connecticut	01/2008
Oncologic Outcomes of Robot Assisted Radical Cystectomy Ridon Lecture Visiting Professor - University of Connecticut, Hartford Hospital Hartford, Connecticut	01/2008
Live Surgery Demonstrations: Robot Assisted Radical Cystectomy University of Alabama Department of Urology Visiting Professor	03/2008
Robot Assisted Partial Nephrectomy University of Alabama Department of Urology Visiting Professor	03/2008
Robot Assisted Radical Cystectomy - Step-by-Step University of Alabama Department of urology Visiting Professor	03/2008

Research Interests and Accomplishments

*RESEARCH EXPERIENCE: • PI a funded basic science program in GU Oncology: acquisition and maintenance of 5 prostate cancer cell lines, mouse models to test novel therapies for advanced prostate cancer, gene expression profiling of prostate cancer cell lines and tumors, immunohistochemistry of bladder and prostate cancer cells: 2009 - present. • Trial design for Phase I and II prostate cancer projects: 2009 - present. • DNA Genomic profiling of bladder cancer - collaboration with Dr. Rafael Fonseca, Dr. Bergsiegel, Dr. Pacelli. PI for this project. 2007 • Neoadjuvant Treatment of Prostate Cancer with Bicalutamide and Raloxifene Prior to Radical Prostatectomy - Phase 0 Neoadjuvant clinical trial support by Marley funds

Bio-banking and genomics of Genitourinary Malignancies

CAR-T cell therapy for renal cell carcinoma

Comparative effectiveness of surgical management of bladder cancer

Epigenetics of Kidney Cancer

Prognostic markers of nonmuscle invasive and invasive bladder cancer

Quality and outcomes of treatment for Kidney cancer

Quality of Life following treatment for Prostate cancer

Role of Estrogen Receptor and Androgen Receptor in Prostate Cancer

Research Grants Awarded

Active Grants

Federal sub award

Program Director / Principal Investigator	Towards a non-invasive molecular test for bladder cancer. Funded by National Institutes of Health. (CA116161)	04/2015 - 03/2020
Program Director / Principal Investigator	Translation of a Clinical Molecular Diagnostic Assay for Bladder Cancer. Funded by National Institutes of Health. (CA206584-01A1)	08/2017 - 07/2022
Co-Investigator	A Culturally Targeted Transplant Program to Increase Live Donation in Hispanics. Funded by National Institutes of Health	06/2016 - 02/2021

Completed Grants

Federal

Co-Investigator	Efficacy of BCG Therapy is a Function of Bladder Tumor Immune Microenvironment. Funded by National Cancer Institute. (R21 1R21 CA169709-01A1)	07/2013 - 06/2015
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Federal sub award

Program Director / Principal Investigator	Evaluation of the Potential Synergistic Effect of an Antiandrogen and Selective Estrogen Receptor Modulator on Prostate Cancer Growth and Progression. Funded by National Cancer Institute	01/2011 - 08/2012
Program Director / Principal Investigator	Robot Assisted Versus Open Radical Cystectomy: A Randomized Clinical Trial. Funded by National Cancer Institute. (R01 CA155388)	07/2011 - 04/2017
Program Director / Principal Investigator	Development of a Peripheral Blood Test to Identify Invasive Bladder Cancer Using Standard Clinical Lab Equipment. Funded by Flinn Foundation. (15-632)	10/2014 - 09/2017
Co-Investigator	Papillary Renal Cell and Urothelial Carcinomas Sample Submission. Funded by National Cancer Institute. (HHSN261201000050I-MCR-0089-TCGA)	05/2013 - 09/2014
Co-Investigator	Molecular Characterization of Prostate Cancer. Funded by National Institutes of Health. (13XS488)	09/2013 - 12/2014

Industry

Program Director / Principal Investigator	BC-819-18-204: A Phase 2 Study of BC-819 in Patients With Non-Muscle Invasive Bladder Cancer Whose Disease is Unresponsive to Bacillus Calmette-Guerin. Funded by Anchiano Therapeutics Israel Ltd . (BC-819-18-204)	10/2019 - 10/2021
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Mayo Clinic

Program Director / Principal Investigator	Desert Mountain CARE - MCA Prostate Cancer Research. Funded by Other. (DEVELOPMENTAL P-FUND)	01/2009 - 12/2011
Program Director / Principal Investigator	MC0851: Pilot Trial to Evaluate the Safety and Efficacy of the Administration of Bicalutamide (Casodex™) per day in Combination with Raloxifene (Evista™) Per Day in Patients with Hormone Refractory Prostate Cancer. Funded by CR Protocol Program (Incl CR5 and CR10)	11/2009 - 11/2011
Program Director / Principal Investigator	Marley Funds / 15-006284 Cellular effects of neoadjuvant bicalutamide and raloxifene in the prostate cancer patient prior to radical prostatectomy. Funded by Development - Gifts from benefactors	06/2017 - 05/2018
Co-Investigator	12-008736: CR5: Identifying SETD2-epigenetically regulated pathways to identify novel drug targets. Funded by CR Protocol Program (Incl CR5 and CR10)	01/2013 - 01/2014
Co-Investigator	Time evolution of ammonium and selected hormones in urine immediately following renal ischemia in humans undergoing elective partial nephrectomy. Funded by CCaTS-CBD Pilot Awards for Team Science	01/2018 - 12/2018

Inventions, Commercialization and Offering**A. Patent**

Patent Number	Country	Date Filed	Date Issued
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Treating Bladder Cancer Patients and Identifying Bladder Cancer Patients Responsive to Treatment Nancy A. Lee Ph.D., Erik P. Castle M.D., James J. Lee Ph.D., Rafael Nunez Nateras M.D.	9523689	USA	05/2014	12/2016
Treating Bladder Cancer Patients and Identifying Bladder Cancer Patients Responsive to Treatment Nancy A. Lee Ph.D., Erik P. Castle M.D., James J. Lee Ph.D., Rafael Nunez Nateras M.D.	10261085	USA	12/2016	04/2019

Other

Fluent in Spanish

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Peer-reviewed Articles

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2. Holzbeierlein JM, **Castle EP**, Thrasher JB. Complications of androgen-deprivation therapy for prostate cancer. Clin Prostate Cancer. 2003 Dec; 2(3):147-52. PMID: 15040857
3. Holzbeierlein JM, **Castle EP**, Thrasher JB. Complications of androgen deprivation therapy: prevention and treatment. Oncology (Huntington). 2004 Mar; 18: (303-09)
4. Simon SD, **Castle EP**, Ferrigni RG, Lamm DL, Swanson SK, Novicki DE, Andrews PE. Complications of laparoscopic nephrectomy: the Mayo clinic experience. J Urol. 2004 Apr; 171(4):1447-50. PMID: 15017195 DOI: 10.1097/01.ju.0000117942.61971.41
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11. Lang EK, **Castle E**, Trecek J. Computerized tomography diagnosis of right ureteral calculus and coexisting acute appendicitis. J Urol. 2005 Jun; 173(6):2148. PMID: 15879876 DOI: 10.1097/01.ju.0000163609.41201.f1
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* Indicates that the primary author was a mentee of this author.