***Curriculum vitae***

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| **Date Updated:** | April 25, 2025 |
| **Name:** | **Rajal B. Shah, MD**  **Dr. Charles T. Ashworth Professor of Pathology** |
| **Office Address:** | UT Southwestern Medical Center  Clements University Hospital  6201 Harry Hines Blvd.  Dallas, TX 75235  Room: UH04.449 |
| **Work Phone:** | **214-633-6364** |
| **Work E-Mail:** | [Rajal.Shah@UTSouthwestern.edu](mailto:Rajal.Shah@UTSouthwestern.edu) |

**Education**

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| **Year** | **Degree**  **(Honors)** | **Field of Study** | **Institution** |
| 1983 |  | High School Diploma | C.N. High School, Ahmedabad, Gujarat, India |
| 1988 | MBBS | Medicine | B.J. Medical College, Gujarat University, Gujarat, India |

**Postdoctoral Training**

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| **Year(s)** | **Titles** | **Specialty/Discipline** | **Institution** |
| 1989 | Clinical Internship | Medicine | Accredited Gujarat University Affiliated Hospitals, Gujarat, India |
| 1994 | Resident | Pathology & Microbiology | Gujarat Cancer and Research Institute, Ahmedabad, Gujarat, India |
| 1999 | Resident Physician | Anatomic and Clinical Pathology | St. John Hospital and Medical Center, Detroit, MI |
| 2001 | Fellow | Genitourinary & Surgical Pathology | University of Michigan, Ann Arbor, MI |

**Professional Development Training**

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| **Year(s)** | **Course or Program, Degree if any** | **Institution** |
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**Faculty Academic Appointments**

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| **Year(s)** | **Academic Title** | **Department** | **Academic Institution** |
| 11/1/2019-Present | Professor of Pathology | Pathology | UT Southwestern Medical Center, Dallas, TX |
| 02/2017 – 10/2018 | Clinical Associate Professor of Pathology | Pathology | Baylor College of Medicine, Houston, TX |
| 09/2007 – 12/2009 | Associate Professor of Pathology | Pathology | University of Michigan, Ann Arbor, MI |
| 09/2007 – 12/2009 | Associate Professor of Urology | Pathology | University of Michigan, Ann Arbor, MI |
| 07/2004 – 10/2006 | Director and Principal Investigator (PI), Tissue Core, Specialized Program of Research Excellence in Prostate Cancer (SPORE), NIH-Funded Program | Pathology | University of Michigan, Ann Arbor, MI |
| 07/2001 – 08/2007 | Assistant Professor of Pathology | Pathology | University of Michigan Hospitals, Ann Arbor, MI |
| 07/2001 – 08/2007 | Assistant Professor of Urology | Urology | University of Michigan Hospitals, Ann Arbor, MI |
| 07/1993 – 05/1995 | Lecturer | Department of Pathology | Gujarat Cancer & Research Institute, Ahmedabad, Gujarat, India |

**Appointments at Hospitals/Affiliated Institutions**

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| --- | --- | --- | --- | --- |
| **Past** | | | | |
| **Year(s)** | **Position Title** | **Department/Division** | | **Institution** |
| 10/2018 -10/2019 | Staff Pathologist | Department of Pathology | | Cleveland Clinic |
| 04/2017 -08/2018 | Laboratory Medical Director | Urology | | Baton Rouge Urology, Baton Rouge, LA |
| 01/2010 – 10/2014 | Medical Director | Urologic Pathology | | Inform Diagnostics (Previously Miraca Life Sciences), Dallas, TX |
| 07/2002 – 12/2009 | Director, Urologic Pathology Fellowship | Anatomic Pathology, Department of Pathology | | University of Michigan |
| 11/2006 – 12/2009 | Co-Director, Tissue Core | Michigan Specialized Program of Research Excellence in Prostate Cancer (SPORE), NIH-Funded Program | | University of Michigan |
| 07/2004 – 10/2006 | Director, Tissue Core | Michigan Specialized Program of Research Excellence in Prostate Cancer (SPORE), NIH-Funded Program | | University of Michigan |
| **Current** | | | | |
| **Year(s)** | **Position Title** | | **Department/Division** | **Institution** |
| 11/2019-Present | Staff pathologist | | Department Pathology | Clements University Hospital, Dallas, TX |
| 11/2019-Present | Staff pathologist | | Department Pathology | Parkland Hospital, Dallas, TX |

**Current Licensure and Certification**

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| Year(s) | State |
| 11/2009-Present | Texas |
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**Board and Other Certification**

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| Year(s) | Specialty | Certifying Organization |
| 09/1993 | Step I, Step II | United States Medical Licensing Examination |
| 09/1993 | ECFMG Certification | Educational Commission for Foreign Medical Graduates |
| 05/1999 | Step III | United States Medical Licensing Examination |
| 11/1999 | Anatomic and Clinical Pathology Diplomate | American Board of Pathology |
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**Honors and Awards**

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| **Year** | **Name of Honor/Award** | **Awarding Organization** |
| 1992 | 1st position, M.D. Pathology & Bacteriology | Gujarat University |
| 1999 | Resident research presentation award | St. John Hospital and Medical Center, Detroit, MI |
| 2000 | Fellow | College of American Pathologists |
| 2005 | Co-chair, Proffered Papers: Genitourinary Pathology | United States and Canadian Academy of Pathology, San Antonio, Texas |
| 2006 | Who’s Who in Medicine and Healthcare | Marquis |
| 2006 | Short course director | United States and Canadian Academy of Pathology |
| 2006 | Urologic Pathology Abstract Review Board | United States and Canadian Academy of Pathology National  Meeting Program |
| 2007 | Cover article, senior author | Urology journal |
| 2007 | Judge | American Journal of Clinical Pathology Resident Research Symposium Competition, New Orleans, LA |
| 2007 | America’s Top Physician | Consumer Research Council of America |
| 2007 | Inaugural American Association of Cancer Research (AACR) team science award for prostate cancer gene  fusion work (“In recognition of the landmark discovery of recurrent gene fusions in a majority of prostate cancers, which has profound clinical and biological implications for understanding prostate cancers, and their embodiment of team science through interdisciplinary and inter-institutional collaboration”), | American Association of Cancer Research |
| 2007 | Urologic Pathology Abstract Review Board | United States and Canadian Academy of Pathology Annual Meeting Program |
| 2007 | Short course director | United States and Canadian Academy of Pathology |
| 2008 | Cover article, senior author | Histopathology |
| 2008 | Who’s Who in the World | Marquis |
| 2008 | America’s Top Physician | Consumer Research Council of America |
| 2008 | Cover article, Co-senior author | Cancer Research |
| 2008 | Short course director | United States and Canadian Academy of Pathology |
| 2009 | Faculty | College of American Pathologist (CAP) Annual Meeting |
| 2009 | Annual Diagnostic Pathology Update Course Faculty | United States and Canadian Academy of Pathology |
| 2009 | Co-chair, Proffered Papers Genitourinary Pathology | United States and Canadian Academy of Pathology, Boston, MA |
| 2010 | Annual Diagnostic Pathology Update Course Faculty | United States and Canadian Academy of Pathology |
| 2010 | Co-chair, Proffered Papers | Genitourinary Pathology: United States and Canadian Academy of Pathology, Washington DC |
| 2010 | Cover article, senior author | Human Pathology |
| 2011 | Urologic Pathology Abstract Review Board (2nd 4-Year term) | United States and Canadian Academy of Pathology National Meeting Program |
| 2012 | Lead Subject Matter Expert | CAP Advanced Practical Pathology Program in the prostate (AP3), Histologic variants, other carcinomas, and non-epithelial lesions of prostate |
| 2013 | Excellence in Service Award | The Association of Indian Pathologists in North America (AIPNA) |
| 2014 | Short course faculty for a 3-year term | United States and Canadian Academy of Pathology |
| 2014 | Co-moderator, New Frontiers in Pathology | AIPNA-International Academy of Pathology (IAP), Bangkok, Thailand |
| 2014 | Co-moderator, Pitfalls in GU pathology: The case that taught me a lesson | International Society of Urologic Pathologists – International Academy of Pathology, Bangkok, Thailand |
| 2016 | Expert panel member | CAP reporting protocols for GU organ system |
| 2017 | Faculty | CAP |
| 2018 | Co-chair, Proffered Papers Genitourinary Pathology | United States and Canadian Academy of Pathology, Vancouver, Canada |
| 2019 | Dr. Charles T Ashworth professorship in pathology | University of Texas Southwestern Medical Center, Dallas, TX |
| 2023 | President | Genitourinary Pathology Society (GUPS) |
| 2024 | Co-guest Editor | Hot Topics in Urologic Pathology Issue for Advances in Anatomic Pathology |
| 2025 | Course director | Urologic Pathology Practice in Eyes of Genitourinary Pathology Society (GUPS) Presidents. GUPS and USCAP Interactive Microscopy Course, Palm Springs, CA |
| 2025 | Invited expert for the debate on the topic of: Should grade group 1 prostate cancer be renamed? | CAP Podcast and CAP Today publication |
| 2025 | Co-leader | Expert consultation conference on Intraductal carcinoma of the prostate (IDCP), Boston, March 22, 2025 |
| 2025 | Distinguished Service Award | Genitourinary Pathology Society (GUPS) for Exemplary Service to GUPS as the President |

**Major Administrative/Leadership Positions**

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| **Year(s)** | **Position Title** | **Institution** |
| 03/2019-10/2019 | Director | Genitourinary Pathology, Cleveland Clinic |
| 10/2014- 10/2018 | Vice President, Medical Director | Urologic Pathology Inform Diagnostics, Dallas, TX (Previously known as Miraca Life Sciences) |
| 10/2004 –12/2009 | Section Chief, Urologic Pathology | Anatomic Pathology, University of Michigan |
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**Committee Service** *(member, unless noted otherwise)*

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| **Year(s)** | **Name of Committee** | **Institution/Organization** |
| National/International | | |
| 2001 – 2007;  2011 – 2019 | Treasurer and Secretary | Association of Indian Pathologists in North America |
| 03/2019 – Present | Secretary | Genitourinary Pathology Society(GUPS) |
| 03/2019 – 03/2021 | Chair, Membership, and Diversity Committee | Genitourinary Pathology Society (GUPS) |
| 03/2021- 03/2023 | President-Elect | Genitourinary Pathology Society (GUPS) |
| **03/2023-03/2025** | **President** | **Genitourinary Pathology Society (GUPS)** |
| 10/2021-03/2023 | Education committee member | Genitourinary Pathology Society (GUPS) |
| 10/2021-12/2022 | Education committee member | Texas Society of Pathology |
| **01/2023-Present** | **Chair, Education Committee** | **Texas Society of Pathology** |

**Professional Societies**

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| **Dates** | **Society Name, member** |
| 1996 – Present: | College of American Pathologists (CAP) |
| 1997 – Present: | American Society of Clinical Pathologists (ASCP) |
| 1998 – Present: | United States and Canadian Academy of Pathology (USCAP) |
| 2001 – Present: | International Society of Urologic Pathology (ISUP) |
| 2002 – Present: | American Urological Association, Inc. (AUA) |
| 2019 – Present: | Genitourinary Pathology Society (GUPS) |

**Educational Activities**

**1. Direct Teaching**

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| **Date** | **Course Name, Rotation, or Session Topic** | **Role** | **Number of Instruction hours** | **Primary Learner Audience (number)** | **Department or Organization** |
| **Medical and Graduate School (UME) Course Instruction, Small Group Instruction, Clinical Supervision** | | | | | |
| July 2001 – December 2009 | Renal and reproductive sequence lectures. | Instructor | 4 /year | MS2 Medical Students | University of Michigan, Ann Arbor, MI |
| **Graduate Medical Education (GME) Course Instruction, Small Group Instruction, Clinical Supervision** | | | | | |
| July 2001 – December 2009, | Three didactic lectures, consult conferences, regular surgical pathology, and urological pathology sign-outs | Instructor | 870/year | Pathology Residents and  Genitourinary Pathology Fellow | University of Michigan, Ann Arbor, MI |
| July 2001 – December 2009, | Monthly conference | Instructor | 12/year | Urology Residents | University of Michigan, Ann Arbor, MI |
| October 2018 – October 2019 | Regular genitourinary pathology sign-out service, 1 didactic conference, and 1 multi-head interactive microscopy session. | Instructor | 870/year | Pathology Residents and Genitourinary pathology fellow | Cleveland Clinic, Cleveland, OH |
| November 2019- present | Regular genitourinary pathology sign-out service, 1 didactic conference, and 1 multi-head interactive microscopy session | Instructor | 870/year | Pathology Residents and Genitourinary pathology fellow | Clements University Hospital, UT Southwestern Medical Center |
| **Instructor in Continuing Medical Education (CME), Faculty Development, National Educational Symposia** | | | | | |

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| November 11, 2005 | Select Diagnostic Difficulties in Urologic Pathology” – case presentations and review | Visiting Lecturer | 1 | Residents and Fellows | Cleveland Clinic, Department of Pathology |
| April 9, 2005 | Interpretation of Prostate Needle biopsies. Case presentations and review | Instructor | 2 | Practicing Pathologists | 23rd MLABS symposium |
| Feb 15, 2006 | Interpretation of Prostate Needle Biopsies: Critical Issues and Emerging Markers | Course Director | 3 | Residents, Fellows, and Practicing Pathologists | United States and Canadian Academy of Pathology, Atlanta, GA |
| 2006 | Contemporary Issues in Prostate, Urinary Bladder, and Renal Pathology – Weekends in Pathology | Instructor | 3 | Residents, Fellows, and Practicing Pathologists | American Society of Clinical Pathologists (ASCP): Las Vegas, NV |
| March 30, 2007 | Interpretation of Prostate Needle Biopsies: Critical Issues and Emerging Markers” | Course Director | 3 | Residents, Fellows, and Practicing Pathologists | United States and Canadian Academy of Pathology, San Diego, CA |
| October 18, 2007 | Contemporary Issues in Prostate, Urinary Bladder, and Renal Pathology | Instructor | 3 | Residents, Fellows, and Practicing Pathologists | American Society of Clinical Pathologists (ASCP) annual meeting: New Orleans, LA |
| October 19, 2007 | Select diagnostic difficulties and contemporary issues in Urologic Pathology – Video Microscopy tutorial | Instructor | 1 | Residents, Fellows, and Practicing Pathologists | American Society of Clinical Pathologist (ASCP) annual meeting, New Orleans, LA, October 19, 2007 |
| June 21, 2008 | Contemporary Issues in Prostate, Urinary Bladder, and Renal Pathology – Weekends in Pathology | Instructor | 3 | Residents, Fellows, and Practicing Pathologists | American Society of Clinical Pathologists (ASCP): Chicago, IL, June 21, 2008. |
| March 2009 | Interpretation of Prostate Needle Biopsies: Critical Issues and Emerging Markers” – Short Course | Course Director | 3 | Residents, Fellows, and Practicing Pathologists | United States and Canadian Academy of Pathology, Boston, MA, March 2009 |
| May 2009 | Interpretation of Prostate Needle Biopsies: Critical Issues and Emerging Markers | Course Director | 3 | Residents, Fellows, and Practicing Pathologists | USCAP Practical Pathology Seminars, San Francisco, CA, May 2009 |
| July 2009 | United States and Canadian Academy of Pathology - Diagnostic Pathology Update Course, GU section | Instructor | 3 | Residents, Fellows, and Practicing Pathologists | Niagara Falls, Canada |
| October 2009 | Contemporary issues and emerging concepts in prostate needle biopsy interpretation and reporting: diagnosis and differential diagnosis, Gleason grading, and more | Instructor | 3 | Residents, Fellows, and Practicing Pathologists | College of American Pathologists Annual Meeting, Washington D.C |
| February 2010 | Contemporary Issues in Urologic Pathology” – Weekends in Pathology | Instructor | 3 | Residents, Fellows, and Practicing Pathologists | American Society of Clinical Pathology Meeting, Las Vegas, Nevada |
| July 2010 | United States and Canadian Academy of Pathology - Diagnostic Pathology Update Course, GU section | Instructor | 3 | Residents, Fellows, and Practicing Pathologists | Lake Tahoe, NV, USA, July 2010. |
| September 2010 | Contemporary issues and emerging concepts in prostate needle biopsy interpretation and reporting: diagnosis and differential diagnosis, Gleason grading and more | Instructor | 3 | Residents, Fellows, and Practicing Pathologists | College of American Pathologists Annual Meeting, Chicago, IL, September 2010 |
| October 27, 2010 | AIPNA - ASCP: Frontiers In Diagnostic Urologic Pathology | Instructor | 3 | Residents, Fellows, and Practicing Pathologists | American Society of Clinical Pathology National meeting, San Francisco, CA |
| 2011 | Contemporary issues and emerging concepts in prostate needle biopsy interpretation and reporting: diagnosis and differential diagnosis, Gleason grading, and more | Instructor | 3 | Residents, Fellows, and Practicing Pathologists | College of American Pathologists Annual Meeting, Grapevine, TX, September 2011 |
| 2013 | Interpretation of Prostate needle biopsies: Contemporary issues and emerging concepts | Instructor | 3 | Residents, Fellows, and Practicing Pathologists | American Society of Clinical Pathology, Annual Meeting, Las Vegas, NV, October 2011 |
| 2014 | High yield urological pathology: common and important diagnoses not to be missed in daily practice” | Instructor | 3 | Residents, Fellows, and Practicing Pathologists | American Society of Clinical Pathology, Annual Meeting, Chicago, IL, September 2013. |
| 2014 | High yield urological pathology: common and important diagnoses not to be missed in daily practice” – Short Course | Instructor | 3 | Residents, Fellows, and Practicing Pathologists | United States and Canadian Academy of Pathology, Annual Meeting, San Diego, CA, February 2014. |
| 2015 | High yield urological pathology: common and important diagnoses not to be missed in daily practice” – Short Course | Instructor | 3 | Residents, Fellows, and Practicing Pathologists | United States and Canadian Academy of Pathology, Annual Meeting, Boston, MA, March 2015. |
| 2016 | High yield urological pathology: common and important diagnoses not to be missed in daily practice” – Short Course | Instructor | 3 | Residents, Fellows, and Practicing Pathologists | United States and Canadian Academy of Pathology, Annual Meeting, Seattle, WA, March 2016. |
| 2016 | Recognizing Morphologic Variations of Prostate Carcinomas, Other Carcinomas, and Nonepithelial Lesions”. | Instructor | 2.50/session | Residents, Fellows, and Practicing Pathologists | The online 2.50 CME/SAM module, CAP AP3 program, 2016 |
| 2017 | “New Things” in 2016 WHO Tumors of Urinary System and Male Genital Organs Blue Book and 8th Edition of AJCC Staging that Every Pathologist Should Know | Instructor | 3 | Residents, Fellows, and Practicing Pathologists | CAP Annual Meeting, Washington, DC, October 2017. |
| September 24, 2019 | “New Things” in 2016 WHO Tumors of Urinary System and Male Genital Organs Blue Book and 8th Edition of AJCC Staging that Every Pathologist Should Know | Instructor | 3 | Residents, Fellows, and Practicing Pathologists | CAP Annual Meeting, Gaylord Palms Resort and Convention Center, Orlando, FL |
| 2020 | New concepts in urologic pathology. Prostate cancer with “cribriform architecture” (intraductal carcinoma and invasive Gleason pattern 4) | Instructor | 3 | Residents, Fellows, and Practicing Pathologists | American Society of Clinical Pathology, Virtual Meeting, September 2020 |
| 2022 | The 2022 Classification of GU Tumors: Don’t Let the New Blue Book Make You Blue, Interactive Microscopy course | Instructor | 6 | Residents, Fellows, and Practicing Pathologists | USCAP, Palm Springs, CA, November 15-17, 2022 |
| 2023 | Large Gland Lesions of the Prostate. American Society of Clinical Pathology (ASCP) National Meeting, Video Microscopy Tutorial | Instructor | 1 | Residents, Fellows, and Practicing Pathologists | Long Beach, CA, October 19, 2023 |
| 2025 | Genitourinary Pathology Practice in the Eyes of Genitourinary Pathology Society (GUPS) Presidents | Course Director | 14 | Residents, Fellows, Practicing Pathologists | USCAP, Palm Springs, CA, January 22-24, 2025 |

**2. Curriculum Development**

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| --- | --- | --- | --- | --- | --- |
| **Date** | **Course Name or Curriculum Product** | **Role** | **Purpose** | **Primary Learner Audience** | **Organization or Institution** |
| 02/2024 | 103rd Texas Society of Pathologists Meeting, Hilton Austin, Austin, Texas | Educational Chairman | Providing proactive solutions to the challenges they encounter in the practice of pathology | Pathologists | Texas Society of Pathologists |
| 10/2024 | Precision Histopathology Reporting for Genitourinary Cancers in the Era of Personalized Medicine | Co-moderator and course development | Companion meeting symposia | Residents, Fellows, Pathologists | International Academy of Pathology Meeting, Cancun, Mexico |
| 01/10/2025-01/12/2025 | International Congress on Frontiers in Urologic Oncology and Uropathology | Chief patron and GUPS coordinator | Develop a multidisciplinary international conference to expand GUPS outreach and mission on the international stage | Residents, Fellows, Practicing Pathologists | Collaboration between GUPS and local India institutions and organizations (KIMS, AIIMS Bhubaneswar, International Association for Integrated Oncology), Bhubaneswar, Odisha, India |
| 01/22/2025-01/24/2025 | Genitourinary Pathology Practice in Eyes of Genitourinary Pathology Society (GUPS) Presidents, Palm Springs, CA | Course Director | Developed an interactive microscopy course | Residents, Fellows, Practicing Pathologists | USCAP in partnership with GUPS |

**3. Mentoring and Advising**

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| **Date** | **Mentee Name** | **Mentee Level/ Program and Institution** | **Role** | **Mentee Outcomes, Current Position** |

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| --- | --- | --- | --- | --- |
| 06/2006-12/2009 | Rohit Mehra, M. D | Postdoc Molecular Pathology Fellow (Co-Mentorship with Arul Chinnaiyan, M.D., Ph.D.) | Mentor | Academic GU pathologist at the University of Michigan |
| 07/2002 -06/2003 | Lakshmi P. Kunju, M. D | Genitourinary Pathology Fellowship, University of Michigan, Ann Arbor, MI | Mentor | Academic GU pathologist at the University of Michigan, AP director |
| 07/2003 -06/2004 | Matthew Snyder, M. D | Genitourinary Pathology Fellowship, University of Michigan, Ann Arbor, MI | Mentor | Practicing pathologist |
| 07/2004 -06/2005 | Nasir Bakshi, M. D | Genitourinary Pathology Fellowship, University of Michigan, Ann Arbor, MI | Mentor | Practicing pathologist |
| 07/2007 -06/2008 | Angela Wu, M. D | Genitourinary Pathology Fellowship, University of Michigan, Ann Arbor, MI | Mentor | Academic GU pathologist at the University of Michigan |
| 07/2008 -06/2009 | Mathew Wasco, M. D | Genitourinary Pathology Fellowship, University of Michigan, Ann Arbor, MI | Mentor | Practicing pathologist |
| 07/2009 -12/2009 | Jason Carvalho, M. D | Genitourinary Pathology Fellowship, University of Michigan, Ann Arbor, MI | Mentor | Practicing pathologist |
| 11/2019-06/2020 | Sasan Setadooh, M. D | Genitourinary Pathology Fellowship, UT Southwestern Medical Center, Dallas, TX | Mentor | Practicing pathologist |
| 07/2020-06/2021 | Christopher Matter, M. D | Genitourinary Pathology Fellowship, UT Southwestern Medical Center, Dallas, TX | Mentor | Practicing pathologist |
| 07/2021-06/2022 | David Kim, M. D | Genitourinary Pathology Fellowship, UT Southwestern Medical Center, Dallas, TX | Mentor | Practicing pathologist |
| 07/2022-07/2023 | Jing Sun, D. O | Genitourinary Pathology Fellowship, UT Southwestern Medical Center, Dallas, TX | Mentor | Practicing pathologist |
| 07/2023-07/2024 | Daniel Shen, M. D | Genitourinary Pathology Fellowship, UT Southwestern Medical Center, Dallas, TX | Mentor | Practicing pathologist |
| 10/2024 | Rupanita Biswal, M.D. | International Observer | Mentor | Help develop subspecialty expertise and knowledge sharing in developing country, India |
| 12/2024 | Shruti Sabnis, M.D. | International Observer | Mentor | Help develop subspecialty expertise and knowledge sharing in developing country, India |

**4. Learner Assessment Activities or Tool Development**

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| **Date** | **Course Name or Session Topic** | **Role** | **Number of Evaluation Hours** | **Primary Learner Audience** | **Organization or Institution** |
| April 7, 2012 | “Rajal B. Shah, MD. Expert Urologic Pathology” | Instructor | 5.3 K subscribers, 190000 views | Residents, Fellows, and Practicing Pathologists, Urologists | YouTube Channel |

**5. Educational Administration and Leadership**

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| --- | --- | --- | --- | --- | --- |
| **Date** | **Title** | **Responsibilities** | **Time (FTE or hours)** | **Organization and Program Scope** | **Outcomes** |
| 07/2022 | ACGME certified program, Department of Pathology | Fellowship director, Genitourinary selective pathology | 0.1 FTE | UT Southwestern Medical Center, Dallas, TX | Successful graduation of fellow, readiness for independent practice, maintenance of ACGME certification |

**Editorial Activities**

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| **Year(s)** | **Journal Name** |
| **Editor/Associate Editor** | |
| 2024 | Co-guest Editor, Advances in Anatomic Pathology |
| **Editorial Board** | |
| 2020 | Co-chief Editor, Path Presenter, High-yield urologic pathology digital slide collection |
| 2014 | Human Pathology |
| 2005 | International Board of Advisers: Indian Journal of Pathology and Bacteriology (IJPM) |
| 2014 | Gujarat Journal of Pathology and Microbiology |
| **Ad Hoc Reviewer** | |
|  | American Journal of Surgical Pathology |
|  | Archives of Pathology and Laboratory Medicine |
|  | BMC Cancer |
|  | Cancer |
|  | Cancer Research |
|  | Clinical Cancer Research |
|  | Journal of Clinical Pathology |
|  | Journal of Histochemistry and Cytochemistry |
|  | Journal of Urology |
|  | Laboratory Investigation |
|  | Modern Pathology |
|  | Virchow Arch |

**Grant Support**

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| **Present** | ***Grantor:*** |
| 8/2023 | Co-investigator, DOD Idea Grant, “Mechanisms controlling the progression of prostate adenocarcinoma to neuroendocrine cancer”. 3% salary support. PI: Jane Johnson, PhD, UT Southwestern Medical Center |

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| **Past** | ***Grantor:*** |
| 2024 | Central Pathology Reviewer, Candel Pharmaceutical, |
| 2018 | Co-Principal Investigator, Central Pathology Reviewer, Progenics, Phase III clinical trial evaluating the feasibility of imaging modality to determine clinically insignificant prostate cancer (Ongoing extramural funded research), Ended 06/2018 |
| 07/2003-05/2008 | The University of Michigan Prostate SPORE (Specialized Program for Research Excellence), $251,033 – Co-Principal Investigator, Tissue and Serum Core Resource Grant -NIH- P50 CA69568 (Pienta)-07/01/2003-05/31/2008 - 2.4 calendar.  Inter prostate biomarker study (IPBS) – Principal Investigator, University of Michigan, (NIH funded pilot of biomarker validation) 0% salary support |
| 03/2005-03/2008 | Molecular profiling of prostate cancer, Co-investigator, W81XWH-05-1-0173 (PI-A. Chinnaiyan), $61,858 – 03/07/2005-03/06/2008 - 0.3 calendar |
| 07/2003-05/2008 | Evaluation & Development of Non-peptide MDM2 Inhibitors in the Treatment of metastatic prostate cancer. Co-investigator, P50 CA069568 (PI-Pienta/Shaomeng Wang), $150,000 – 07/01/2003-05/31/2008 - 0.6 calendar. |
| 07/2003-05/2008 | Prostate Cancer Imaging for Radiation. Co-investigator, P50 CA069568 (PI-Piert), $40,286-2% salary support, 07/01/2003-05/31/2008 - 0.24 calendar. |
| 07/2001-06/2004 | Role of the Human Polyomavirus, BKV, in Prostate Cancer - Co-investigator, Department of Defense/  USAMRMC, DAMD17-01-1-0076 (M.J. Imperiale) - 7/1/2001-6/30/2004 - 5% salary support |
|  | ErbB Signaling in Prostate Cancer Progression – Co-Investigator, DRDA 1234, UMCC 1234; CRC 1234E |
| 04/2001-03/2005 | Analysis of 8P loss in Human Prostate Cancer – Co-Investigator, RO1, 5RO1 CA 60948-08, (J.A. Macoska, PI), 4/01/2001 to 3/31/2005 - 5% salary support. |

**Invited Lectures**

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| **Year(s)** | **Title** | **Location** |
| **International** | | |
| 12/2000 | Practical applications of Flow Cytometry in the immunophenotypic analysis of Leukemia’s and Lymphomas. | Guest Speaker, Association of Pathologists, Gujarat Chapter, Ahmedabad, India. |
| 12/20/2005 | Contemporary Classification of Renal Epithelial Neoplasms: critical issues. | Guest speaker, Association of Pathologists and Microbiologists, Gujarat chapter, Ahmedabad, India |
| 01/06/2008 | “*TMPRSS2-ETS*” Family Gene Rearrangements in Prostate Cancers. – Guest Speaker, Convention for Human Medical Genetics, Foundation for Research in Genetics and Endocrinology. | Institute of Human Genetics, Ahmedabad, Gujarat, India |
| 01/11/2008 | Recent advances in prostate cancer biomarkers – recurrent fusions of *TMPRSS2-ETS* family Genes | NHL municipal medical school and VS Hospital, Association of Pathologists and Microbiologist, Gujarat chapter, Ahmedabad, Gujarat, India |
| 01/31/2009 | The discovery of common recurrent *TMPRSS2:ETS* gene fusions in prostate cancer: Significance and clinical implications. | Krishna Institute of Medical Sciences, Moving Academy of Medicine and Biomedicine, and Association of Indian Pathologists in North America, Karad, India |
| 02/04/2009 | Contemporary Issues in Bladder Cancer Diagnosis and Management | All India Association of Pathologists and Microbiologists, XIV Indo-US International CME in Pathology, Hosted by Gwalior Medical College, AIPNA chapter, Agra, India |
| 02/04/2009 | Selected Recent Entities and Contemporary Issues in Renal Neoplasms | All India Association of Pathologists and Microbiologists, XIV Indo-US International CME in Pathology, Hosted by Gwalior Medical College, AIPNA chapter, Agra, India |
| 02/08/2009 | Contemporary Issues in Bladder Cancer Diagnosis and Management. | Association of Pathologists and Microbiologists, Ahmedabad, India |
| 02/22/2012 | Gleason Grading and its Relevance in Prostate Cancer Management. | Institute of Kidney Diseases and Research Center, Civil Hospital, Ahmedabad, Gujrat, India, February 22, 2012. |
| 02/18/2012 | Contemporary Issues in Prostate Pathology | CME workshop, BJ Medical College, Ahmedabad, Gujarat, India |
| 10/04/2012 | Intraductal Carcinoma of the Prostate (IDC-P): Current Concepts, Differential Diagnosis and Role of Common *ERG* Gene Fusions. | International Academy of Pathology Meeting, Cape Town, South Africa |
| 10/09/2014 | Variant Histological Differentiation in Urothelial Carcinoma: An Update with an Emphasis on Emerging Concepts in Micropapillary Carcinoma. New Frontiers in Pathology, AIPNA-IAP Forum. | International Academy of Pathology meeting, Bangkok, Thailand |
| 10/09/2014 | “Atypical Cribriform Lesions of the Prostate” In Pitfalls in GU Pathology: the case that taught me a lesson session, ISUP-IAP session. | International Academy of Pathology meeting in Bangkok, Thailand |
| 01/29/2016 | Select Contemporary Issues and Newer Entities in Urologic Pathology. | The 21st AIPNA-ICP International CME, Bhubaneshwar, Odisha, India |
| 01/29/2016 | Current Concepts on Gleason Grading of Prostate Cancer. | The 21st AIPNA-ICP International CME, Bhubaneshwar, Odisha, India |
| 01/19/2018 | Bladder Cancer: “New Things” in 2016 WHO classification and 8th edition of AJCC staging. | The 23rd AIPNA-ICP International CME, Navi Mumbai, Maharashtra, India |
| 01/19/2018 | “New Things” in prostate cancer classification, grading, staging, and reporting. | The 23rd AIPNA-ICP International CME, Navi Mumbai, Maharashtra, India |
| 10/17/2018 | Diagnosis of Limited Prostate Cancer and Atypical Glands Suspicious for Prostate Cancer in Prostate Biopsy. | The XXXII Congress of the International Academy of Pathology, King Hussein Bin Talal Convention Center, Dead Sea, Jordan |
| 02/01/2020 | Diagnosis of prostate cancer on core needle biopsy: A 3-step approach | AIICME 2020, jointly organized by ICP and AIPNA, Ahmedabad |
| 02/01/2020 | Essentials of Gleason grading of prostate cancer: An update | AIICME 2020, jointly organized by ICP and AIPNA, Ahmedabad |
| 01/07/2021 | Contemporary Gleason Grading of Prostate Cancer: An Update | British Association of Urological Pathologists (BAUP) |
| 01/07-08/2021 | Intraductal lesions of prostate: Group Session | British Association of Urological Pathologists (BAUP) |
| 05/24/2021 | Contemporary Gleason Grading of Prostate Cancer: An Update | British Association of Urological Pathologists (BAUP) |
| 05/24-25/2021 | Intraductal lesions of prostate: Group Session | British Association of Urological Pathologists (BAUP) |
| 08/13-15/2021 | PathPresenter Masterclass in Pathology: Diagnostic approach to prostate cribriform lesions | Organized by PathPresenter, a virtual microscope educational platform |
| 09/13/2021 | Histological criteria of prostate cancer | British Association of Urological Pathologists (BAUP) |
| 09/14/2021 | Benign mimics of prostate cancer: group session | British Association of Urological Pathologists (BAUP) |
| 09/14/2021 | Quiz cases: Presentation of unknown cases | British Association of Urological Pathologists (BAUP) |
| 10/14/2021 | Interactive Microscopy Session: Diagnostic approach to cribriform lesions: Select contemporary issues | 5d Urogenital Pathology Meeting, Plzen, CZ Republic |
| 10/15/2021 | Renal cell carcinoma with fibromyomatous stroma: A distinct entity or group of lesions? | 5d Urogenital Pathology Meeting, Plzen, CZ Republic |
| 09/25/2021 | “The Grey Zones in Classification of Renal Cell Tumors with Clear Cytoplasm” | 8th Annual Histopathology Virtual Meet “The Grey Zones-with the Masters” GZM 2021, India |
| 2021 | Update on Gleason Grading of Prostate Cancer | Hot topics in Anatomic Pathology 2021, Virtual Meeting, Organized by Anatomic Pathology Association, New Zealand |
| 2021 | Masterclass in Pathology: Diagnostic approach to prostate cribriform lesions | Path Presenter Virtual Microscope Platform Faculty |
| 09/29-30/2022 | Atypical large gland proliferation of prostate gland | British Association of Urological Pathologists (BAUP), Leeds, UK |
| 09/29-30/2022 | Cribriform prostate carcinoma: New concepts, challenges, controversies, and differential diagnosis: Group microscopical session | British Association of Urological Pathologists (BAUP), Leeds, UK |
| 09/29-30/2022 | Quiz cases: Presentation of unknown cases | British Association of Urological Pathologists (BAUP), Leeds, UK |
| 10-11-12/2022 | Cribriform and intraductal prostate cancer – current challenges and future perspectives | XXXIV International Congress of the International Academy of Pathology (IAP) 2022 – Virtual Meeting |
| 2023 | Gleason grading of prostate cancer – pearls, pitfalls, and controversies | 11th January, Gujarat Cancer and Research Institute (GCRI), Ahmedabad, India |
| 01/17/2023 | Atypical large gland proliferation of prostate gland | British Association of Urological Pathologists (BAUP) |
| 01/18/2023 | Cribriform prostate carcinoma: New concepts, challenges, controversies, and differential diagnosis: Group microscopical session | British Association of Urological Pathologists (BAUP) |
| 01/18/2023 | Quiz cases: Presentation of unknown cases | British Association of Urological Pathologists (BAUP) |
| 09/09/2023 | British Association of Urological Pathology (BAUP) Educational Webinar Series: Prostate. Webinar: Atypical Large Glandular Prostatic Proliferations | British Association of Urological Pathologists (BAUP), Webinar Series: Prostate |
| 01/13/2024 | The New, the Exciting, and the Mundane. Updates in Prostate Cancer Pathology 2024 | CORE DIAGNOSTICS, Gurugram, Haryana, India |
| 01/13/2024 | Select Contemporary Issues in Prostate Pathology: A Case-Based Discussion | CORE DIAGNOSTICS, Gurugram, Haryana, India |
| 6/15/2024 | Renal cell tumors with clear cytoplasm: differential diagnosis and approach to clinicopathological workup | 6th Urogenital Pathology Meeting, Mikulov, Czech Republic |
| 1/10/2025 | Treatment-related high-grade neuroendocrine prostate cancer | International Cancer Congress on Urologic Oncology and Uropathology, Bhubaneswar, Odisha, India |
| 1/11/2025 | Large gland lesions of the prostate | International Cancer Congress on Urologic Oncology and Uropathology, Bhubaneswar, Odisha, India |
| 4/28/2025 | Small Group Interactive Session | British Association of Urological Pathologists (BAUP) |
| 4/29/2025 | Atypical large glandular prostatic proliferations | British Association of Urological Pathologists (BAUP) |
| 4/29/2025 | Contemporary Gleason Grading of Prostate Cancer | British Association of Urological Pathologists (BAUP) |
| **National** | | |
| 01/15/2004 | Prostate SPORE Tissue Core Infrastructure – the University of Michigan Experience | The Cleveland Clinic Foundation Delegation |
| 01/06/2005 | Prostate Cancer: From a Pathologist’s Perspective | The Prostate Cancer Education and Support Network, The University of Michigan Comprehensive Cancer Center |
| 10/07/2005 | “What is up and down in prostate pathology: New frontiers in pathology practices of genitourinary pathology”-Guest speaker, companion meeting. | The American Society of Clinical Pathology (ASCP): Pathology Today meeting, Seattle, WA |
| 06/25-26/2003 | Prostate SPORE Tissue Core Infrastructure – the University of Michigan Experience. | Israeli Delegation |
| 01/15/2004 | Recent changes in the Staging and Classification of Genitourinary Cancers-an update | Genitourinary Oncology Conference, University of Michigan Hospitals |
| 01/31/2004 | Interpretation of Prostatic Pathology: Critical Issues and Emerging Markers. | Association of Pathologists and Microbiologists, Gujarat Chapter, India |
| 10/11/2005 | Interpretation of Prostate Needle Biopsies: critical issues and emerging markers | Cleveland Clinic Foundation |
| 07/21/2006 | Defining Prostate Cancer Progression by Molecular Profiling of Laser Capture Micro Dissected Prostate Tissues. | The SPORE meeting, Baltimore, MD |
| 10/02/2006 | Immunophenotype of Prostate Cancer: Biomarkers of early detection to end-stage metastatic prostate cancer” | Department of Pathology, Stanford University Hospital, Stanford, CA |
| 10/02/2006 | Select diagnostic difficulties in Urologic Pathology | Department of Pathology, Stanford University, Stanford, CA. |
| 06/12/2007 | Comprehensive assessment of *TMPRSS2* and *ETS* gene fusion assessment in clinically localized prostate cancer” | The 3rd Michigan Urology Symposium, Ann Arbor, MI |
| 08/10/2007 | *“TMPRSS2-ETS* gene rearrangements in clinically localized prostate cancers” – guest lecturer, Department of Pathology. | University of California at Los Angeles, Los Angeles, CA |
| 09/28/2008 | Urologic Pathology Breakout Session, Part 1: Gleason grading of prostate cancer: New Frontiers in Diagnostic Pathology. An Update for Practicing Pathologists. | University of Michigan Department of Pathology and A. James French Society of Pathologists symposium, Ann Arbor, MI. |
| 09/28/2008 | Urologic Pathology Case Presentation: New Frontiers in Diagnostic Pathology: An Update for Practicing Pathologists. | University of Michigan Department of Pathology and A. James French Society of Pathologist symposium, Ann Arbor, MI |
| 09/28/2008 | Urologic Pathology Breakout Session, Part 3: Interpretation of flat urothelial lesions: New Frontiers in Diagnostic Pathology: An Update for Practicing Pathologists. | University of Michigan Department of Pathology and A. James French Society of Pathologist symposium, Ann Arbor, MI |
| 01/14/2009 | Contemporary Issues in Bladder Cancer Diagnosis and Management. | Flint Society of Pathologists Meeting, Hurley Hospital, Flint |
| 06/14/2011 | Grand Rounds: Cribriform Lesions of Prostate: Diagnosis and Differential Diagnosis, and Emerging Concepts of Intraductal Carcinoma and More. | Memorial Sloan Kettering Cancer Center, New York, NY |
| 06/15/2011 | GU slide seminar: Potpourri of Interesting Urologic Pathology Disease Spectrum Encountered in Outpatient Practice. | Memorial Sloan Kettering Cancer Center, New York, NY |
| 12/11/2017 | “Interesting GU cases that I encountered in my practice” GU unknown slide case conference. | UCLA, Department of Pathology, Los Angeles, CA. |
| 12/11/2017 | “New Things” in prostate cancer classification, grading, staging and reporting, and more. | UCLA, Department of Pathology, Los Angeles, CA. |
| 03/05/2017 | GU evening subspecialty case conference | The United States and Canadian Academy of Pathology, San Antonio, TX |
| 10/05/2018 | Neuroendocrine tumors of the prostate gland | The annual American Society of Clinical Pathology meeting, AIPNA companion meeting session, Baltimore, MD |
| 03/20/2019 | Hot Topics in Pathology: “Prostate Cancer Pathology, Grading, Reporting, Diagnosis”. | Presentation. The United States and Canadian Academy of Pathology meeting, National Harbor, MD |
| 04/13/2019 | “A 3-Step Approach to Prostate Cancer Diagnosis in Core Needle Biopsy”. | Presentation, Arizona Society of Pathologists |
| 04/13/2019 | Update on Prostate Cancer: New Developments in Diagnosis, Grading, Staging, and Reporting”. | Presentation, Arizona Society of Pathologists |
| 04/13/2019 | Update on Bladder Cancer: What is New in 2016 WHO Classification and 8th Edition of AJCC Staging Manual | Presentation, Arizona Society of Pathologists |
| 09/30/2019 | “The diagnosis of prostate cancer on core needle biopsy: A 3 step approach”. | Cleveland Clinic |
| 03/2021 | Digital pathology and artificial intelligence in genitourinary pathology: present and future  perspective | Genitourinary Pathology Society Companion Society Meeting, United States and Canadian Academy of Pathology Meeting |
| 09/222022 | Introduction to GUPS - PathPresenter Initiative and moderator | GUPS virtual education series |
| 06/12/2023 | Department of Pathology Ground Rounds: Unknown slide conference on “Select Contemporary Issues in the Classification of Renal Cell Carcinoma” | NYU Langone Health System, Tisch Hospital |
| 06/12/2023 | Department of Pathology Ground Rounds Seminar: Atypical Large Gland Proliferations of Prostate | NYU Langone Health System, Tisch Hospital |
| 10/19/2023 | Large Gland Lesions of the Prostate | American Society of Clinical Pathology (ASCP) National Meeting, Video Microscopy Tutorial, Long Beach, CA |
| 8/27/2024 | A healthy discussion on renaming low-grade prostate cancer as non-cancer | Podcast, College of American Pathologists (CAPcast) |
| 3/22/2025 | Intraductal Carcinoma of the Prostate (IDCP): Current Concepts, Issues, Objectives, Project Outline | Expert Consultation Conference on Intraductal Carcinoma of the Prostate (IDCP), United States and Canadian Academy of Pathology, Boston, MA |
| **Regional/Local** |  |  |
| 05/26/2011 | Common ERG gene fusions in prostate cancer: significance and clinical implications. | GU Journal Club, Caris Life Sciences, Irving, TX |
| 09/10/2016 | Critical Role of Pathologist in Prostate Cancer Diagnosis and Management. | National Society of Histotechnology, TSH District 1 Sept Meeting. Dallas, TX. |
| 04/30/2018 | Grand Rounds: Update on Bladder Cancer: What’s New in 2016 WHO classification and 8th Edition of AJCC staging Manual | Baylor College of Medicine, Houston, TX |
| 04/30/2018 | “Select Contemporary Issues in Urologic Pathology” an interactive microscopic unknown case conference | Baylor College of Medicine, Houston, TX |
| 05/28/2019 | Select Contemporary Issues in Urologic Pathology” –an interactive unknown case conference. | UT Southwestern Medical Center, Dallas, TX |
| 05/06/2020 | Diagnosis of prostate cancer on core needle biopsy; A 3-step approach | UT Southwestern Medical Center, Dallas, TX |
| 12/17/2020 | Prostate Cancer Grading: Contemporary Issues and Controversies | North Texas Society of Pathology (NTSP) |
| 01/30/2021 | Cribriform Prostate Cancer: An Old Entity with The New Realizations | Texas Society of Pathology |
| 05/24/2021 | Pathological and Clinical Significance of Prostate Cancer with Cribriform Architecture | 2021 Annual Spence Visiting Professor Day, UTSW Urology Department |
| 10/19/2022 | Atypical Large Gland Proliferations of the Prostate Gland | Houston Society of Clinical Pathologists |
| 4/3/2024 | SMARC1B deficient renal cell carcinoma – case presentation | UTSW and Parkland Urology Grand Rounds |
| 4/25/2025 | **The Thomas M Wheeler Endowed Lecture:** Clear cell renal tumors: Differential diagnosis and approach to clinicopathological workup | Baylor College of Medicine, Houston Society of Clinical Pathologists Annual Symposium |
| 4/26/2025 | The New, the Exciting, and the Mundane. Updates in Prostate Cancer Pathology 2025 | Houston Society of Clinical Pathologists Annual Symposium |

**Bibliography**

**Peer-Reviewed Publications**

**Original Research Articles**

|  |
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| 1. Patel A, Kothari J, Patel K, Shukla S, **Shah RB**, Anand A, Parikh B, Giri D, Shah P. Retroperitoneal Lymphangioma. Indian Journal of Pediatrics. 1994, 61(2):194-197. |
| 1. Wang Q, **Shah R**, McCormic D, Lomo L, Giraldo A, David C, Kong Y. H2E Transgenic Class II-Negative Mice Can Distinguish Self From Nonself in Susceptibility to Heterologous Thyroglobulins in Autoimmune Thyroiditis. Immunogenetics. 1999, 50:22-30. |
| 1. **Shah R**, Bassily N, Wei J, Mucci NR, Montie J, Sanda M, Rubin MA. Benign Prostatic Glands at Surgical Margins of Radical Prostatectomy Specimens: Frequency and Associated Risk Factors. Urology. 2000, 56 (5): 721-725. |
| 1. **Shah RB**, Lee M, Giraldo A, Amin M. Histologic and Histochemical Characterization of Seminal Vesicle Intraluminal Secretions: Particular Emphasis on Their Crystalloid Morphology. Arch Pathol Lab Med. 2001, 125 (1):141-145. |
| 1. **Shah R**, Mucci N, Amin A, Macoska J, Rubin M. Postatrophic Hyperplasia of the Prostate Gland: Neoplastic Precursor or Innocent Bystander? Am J Pathol. 2001, 158 (5):1767-1773. |
| 1. Dhanasekaran S, Barrette T, Mucci N, **Shah R**, Kurachi K, Pienta K, Rubin MA, Chinnaiyan AM. Delineation of Candidate Biomarkers and Regulatory Genes. Nature. 2001, 412 (6849):822-826. |
| 1. Zhou M, Hayasaka S, Taylor JM, **Shah R**, Proverbs-Singh T, Manley S, Rubin MA. Lack of Association of Prostate Carcinoma Nuclear Grading with Prostate Specific Antigen Recurrence After Radical Prostatectomy. The Journal of Urology. 2001, 166 (6):2193-2197. |
| 1. Qiang W, **Shah R**, Panos JC, Giraldo AA, David CS, Kong YC. HLA-DR and HLA-DQ Polymorphism in Human Thyroglobulin-Induced Autoimmune Thyroiditis: DR3 and DQ8 Transgenic Mice are Susceptible. Human Immunology. 2002, 63 (4):301-310. |
| 1. **Shah RB**, Zhou M, LeBlanc M, Snyder M, Rubin MA. Comparison of the Basal Cell-Specific Markers, 34βE12, and p63, in the Diagnosis of Prostate Cancer. Am J Surg Pathol. 2002, 26(9):1161-1168. |
| 1. Joshi D, **Shah RB**, Montie J, Lee C. Isolated Recurrent Renal Cell Carcinoma Metastatic to the Bladder. The Journal of National Medical Association. 2002, 94(10):912-914. |
| 1. Zhou M, **Shah R**, Shen R, Rubin M. Basal Cell Cocktail (34βE12+p63) Improves the Detection of Prostate Basal Cells. Am J Surg Pathol. 2003, 27(3):365-371. |
| 1. Kunju LP, Rubin M, Chinnaiyan A, **Shah RB**. Diagnostic Usefulness of Monoclonal Antibody P504S in the Workup of Atypical Prostatic Glandular Proliferations. Am J Clin Pathol, 2003, 120(5):737-745. |
| 1. Skitzki J, **Shah RB**, Francis I, Chang A. Hepatic Angiomyolipoma: An Unusual Liver Tumor. Contemporary Surgery. 2003, 59(8):370. |
| 1. Kumar-Sinha C, **Shah RB**, Laxman B, Tomlins S, Harwood J, Schmitz W, Conzelmann E, Sanda M, Wei J, Rubin M, Chinnaiyan A. Elevated alpha-Methylacyl-CoA Racemase Enzymatic Activity in Prostate Cancer. Am J Pathol. 2004, 164(3): 787-93. |
| 1. Kalikin L, Schneider A, Thakur M, Fridman Y, Griffin L, Dunn R, Rosol T, **Shah RB**, Rehemtulla A, Pienta M, and K. In Vivo Visualization of Metastatic Prostate Cancer and Quantitation of Disease Progression in Immunocompromised Mice. Cancer Biology and Therapy. 2003, 2(6):656-660. |
| 1. **Shah RB**, Kunju L, Shen R, LeBlanc M, Rubin M. Usefulness of Basal Cell Cocktail (p63+34βE12) in the Diagnosis of Atypical Prostate Glandular Proliferations. Am J Clin Pathol. 2004, 122 (4):517-523. |
| 1. Das D, **Shah RB**, Imperiale M. Detection and Expression of Human BK Virus Sequences in Neoplastic Prostate Tissues. Oncogene. 2004, 23 (42):7031-46. |
| 1. **Shah RB**, Mehra R, Chinnaiyan A, Shen R, Ghosh D, Zhou M, MacVicar G, Varambally S, Harwood J, Bismar T, Kim R, Rubin M, Pienta K. Androgen Independent Prostate Cancer is a Heterogeneous Group of Diseases: Lessons from a Rapid Autopsy Program. Cancer Research. 2004; 64:9209-9216. |
| 1. Kunju L, Lee C, Montie J, **Shah RB**. Cytokeratin 20 and Ki- 67 as Markers of Urothelial Dysplasia. Pathol Int. 2005, 55(5):248-54. |
| 1. Khaira H, **Shah RB**, Wolf S, Jr. Laparoscopic and Open Surgical Nephrectomy for Xanthogranulomatous Pyelonephritis. Journal of Endourology. 2005, 19(7):813-17. |
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| 1. Varambally S, Yu Jianjun, Laxman B, Rhodes D, Mehra R, Tomlins S, **Shah RB**, Chandan U, Monson FA, Bechich MJ, Wei JT, Pienta KG, Ghosh D, Rubin MA, Chinnaiyan AM. Integrative Genomic and Proteomic Analysis of Prostate Cancer Reveals Signatures of Metastatic Progression. Cancer Cell. 2005; 8 (5):393-406. **(Featured as a cover article)** |
| 1. **Shah RB**, Bakshi N, Hafez KS, Wood DP, Jr, Kunju LP. Image-Guided Biopsy in the Evaluation of Renal Mass Lesions in Contemporary Urologic Practice: Indications, Adequacy, Clinical Impact and Limitations of Pathologic Diagnosis. Hum Pathol. 2005, 36 (12), 1309-1315. |
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| 1. Kunju LP, Mehra R, Snyder M, **Shah RB**. Prostate-Specific Antigen, High-Molecular Weight Cytokeratin (Clone 34βE12), and/or p63: An Optimal Immunohistochemical Panel to Distinguish Poorly Differentiated Prostate Adenocarcinoma (PCa) from Urothelial Carcinoma (UC). Am J Clin Pathol. 2006, 125(5):675-81. |
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| Mohanty S, Lobo A, Parwani A, Adhya A, Sangoi A, Kulkarni B, Delahunt B, Przybycin C, Manini C, Luthringer D, Sirohi D, Midha D, Jain E, Maclean F, Giannico G, Paner G, Martignoni G, Al-Ahmadie H, Moch H, McKenney J, Epstein J, Lopez J, Trpkov K, Cheng L, Browning L, Akgul M, Amin M, Baisakh M, Aron M, Picken M, Tretiakova M, Hirsch M, Zhou M, Kuroda N, Pattnaik N, Gupta N, Hes O, Rao P, **Shah R**, Mehra R, Fine S, Desai S, Sancheti S, Menon S, Wobker S, Tickoo S, Kaushal S, Jha S, Kandukuri S, Sharma S, Smith S, Mitra S, Reuter V, Vishal BR, Chen YB, Williamson S. The Current State of Emerging Renal Oncocytic Neoplasms: A Survey of Urologic Pathologists. Laboratory Investigation 102 (Suppl 1), 638-639, 2022 |
| Rodarte KE, Flores L, Kandagatla V, Villarreal J, Savage TK, Deng S, Mu P, **Shah RB**, Oliver TG, Johnson JE. Exploring the role of ASCL1 in neuroendocrine prostate cancer. Cancer Research 83 (11- Supplement), PR004-PR004, 2023 |

**Books/Textbooks**

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|  | **Shah RB**, Zhou M. “Interpretation of Prostate Needle Biopsies: An Illustrated Guide” Publisher: Springer,  October 2011. |
|  | **Shah RB**, Zhou M. “Interpretation of Prostate Needle Biopsies: An Illustrated Guide” Publisher: Springer,  2nd edition, August 2019. |

**Proceedings of Meetings**

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| 1. A multi-parametric study of colorectal adenocarcinomas of adolescents and young adults: comparisons with adenocarcinoma of the older age group”. Presentation at XVI International Cancer Congress, New Delhi, October 1994. |
| 1. “Histological and Histochemical Characterization of Intraluminal Seminal Vesicle Secretions: Particular Emphasis on its Crystalloid Morphology” at American Society of Clinical Pathologist Meeting, New Orleans, October 1999. |
| 1. “Proliferative Inflammatory Atrophy in Prostate Cancer: Implications as a Potential Neoplastic Precursor” at 89th Annual United States and Canadian Academy of Pathology, New Orleans, March 2000. |
| 1. “Molecular Profiling to Distinguish Flat Urothelial Carcinoma in Situ from Reactive Changes after BCG Therapy” at 90th Annual United States and Canadian Pathology Meeting, Atlanta, March 2001. |
| 1. “Epidermal Growth Factor Receptor Expression is Up-Regulated in Clear Cell Renal Carcinoma: Immunohistochemical Tissue Array Confirmation of cDNA Expression Analysis” at 90th Annual United States and Canadian Pathology, Atlanta, March 2001; and also at 2001 Annual Meeting of American Urological Association, Anaheim, CA, June 4, 2001. |
| 1. “Comparison of the Basal Cell-Specific Markers, 34βE12 and p63, in the Diagnosis of Prostate Cancer.” United States and Canadian Academy of Pathology, Chicago, February 2002. |
| 1. “Diagnostic Utility of Basal Cell Cocktail (p63+34βE12) in the Diagnosis of Atypical Prostate Glandular Proliferations”. United and Canadian Academy of Pathology, Washington D.C., March, 2003. |
| 1. “Diagnostic Utility of Basal Cell Cocktail (p63+34βE12) in the Diagnosis of Atypical Prostate Glandular Proliferations” American Urology Association Meeting, Chicago, April, 2003. |
| 1. E-Cadherin Protein Expression of Prostate Adenocarcinoma Independently Predicts Salvage Radiotherapy Outcomes, The United States and Canadian Academy of Pathology, Atlanta, February 14, 2006. |
| 1. Neurovascular Tissue Thickness on Prostatectomy Specimens is Less Predictive of Quality of Life Outcomes than Surgeon’s Description of Nerve Sparing Procedure. The United States and Canadian Academy of Pathology, Atlanta, February 15, 2006. |
| 1. High Carbonic Anhydrase (CA) IX Protein Tissue Expression Predicts Response to Interleukin (IL)-2 based Therapy for Advanced Renal Cell Carcinoma Patients. The United States and Canadian Academy of Pathology, Atlanta, February 14, 2006. |
| 1. High Carbonic Anhydrase (CA) IX Protein Tissue Expression Predicts Response to Interleukin (IL)-2 based Therapy for Advanced Renal Cell Carcinoma Patients. The American Urology Association meeting, Atlanta, May 22, 2006. |
| 1. Defining Prostate Cancer Progression by Molecular Profiling of Laser Capture Micro dissected Prostate tissues. The American Urology Association meeting, Atlanta, May 21, 2006. |
| 1. Urothelial Carcinomas with Mixed Histology: Incidence, Clinicopathological Spectrum, and Biological Significance. The American Urology Association meeting, Atlanta, May 22, 2006. |
| 1. Defining Prostate Cancer Progression by Molecular Profiling of Laser Capture Micro Dissected Prostate Tissues. The SPORE meeting, Baltimore, July 21, 2006. |
| 1. “Comprehensive assessment of TMPRSS2 and ETS gene fusion assessment in clinically localized prostate cancer”- The American Urology Association (AUA) meeting, Anaheim, CA, May 22, 2007 (Selected as AUA highlights). |
| 1. “Comprehensive assessment of TMPRSS2 and ETS gene fusion assessment in clinically localized prostate cancer”- The 3rd Michigan Urology Symposium, Ann Arbor, MI, June 12, 2007. |
| 1. “Heterogeneity of TMPRSS2 Gene Rearrangements in Multifocal Prostate Adenocarcinoma: Molecular evidence for an Independent Group of Diseases” – 97th annual meeting, United States and Canadian Academy of Pathology, Denver, CO, 2008. |
| 1. “Assessment of Pathologic Risk Factors for Under Staging in Patients with Clinical T1 Bladder Cancers” -97th annual meeting, United States and Canadian Academy of Pathology, Denver, CO, 2008. |
| 1. “Characterization of TMPRSS2-ETS Gene Aberrations in Androgen Independent Metastatic Prostate Cancer” – Platform presentation, The American Urology Association (AUA) meeting, Orlando, FL, May 19, 2008. |
| 1. “Significance of Tertiary Pattern 5 in Prostate Needle Biopsies with Gleason Score 3+4 or 4+3 Prostate Cancer: Pathologic Correlation Following Radical Prostatectomy, March 11th, 98th annual meeting, United States and Canadian Academy of Pathology, Boston, MA, 2009. |
| 1. “Nested Urothelial Carcinoma: A Clinicopathologic and Immunohistochemical Analysis of 33 Cases”, The American Urology Association (AUA) meeting, Chicago, IL, April 27, 2009. |
| 1. “Significance of Tertiary Pattern 5 in Prostate Needle Biopsies with Gleason Score 3+4 or 4+3 Prostate Cancer: Pathologic Correlation Following Radical Prostatectomy, The American Urology Association (AUA) meeting, Chicago, IL, April 29, 2009. |
| 1. “ETS Gene Aberrations in Atypical Cribriform Lesions of the Prostate: Implications for the Distinction between Intraductal Carcinoma of the Prostate and Cribriform High-Grade Prostatic Intraepithelial Neoplasia” March 22nd, 99th annual meeting, United States and Canadian Academy of Pathology, Washington DC, 2010. |
| 1. “Variant (Divergent) Histologic Differentiation in Urothelial Carcinoma is Frequently Under-recognized and Under-reported in Community Practice, The American Urology Association (AUA) meeting, San Francisco, CA, May 31, 2010. |
| 1. “Antibody-Based Detection of ERG Gene Fusions in Prostate Cancer: An Immunohistochemical study Comparing C- and N-terminus ERG Antibodies”. March 19th, 101st annual meeting, United States and Canadian Academy of Pathology, Vancouver, BC, Canada. 2012. |
| 1. “How Often Does ERG Contribute to Resolving an “Atypical Glands Suspicious for Cancer” Diagnosis in Prostate Biopsies Beyond That Provided by Basal Cell and Alpha-Methylacyl-CoA-Racemase (AMACR) Markers?” March 19th, 101st annual meeting, United States and Canadian Academy of Pathology, Vancouver, BC, Canada. 2012. |
| 1. “Incidence and Clinicopathological Characteristics of Gleason Pattern 5 Prostate Cancer in Contemporary Needle Biopsies Series: A Prospective Study”. Poster presentation. The United States and Canadian Academy of Pathology Meeting, San Diego, CA, 2014. |
| 1. “Heterogeneity of PTEN and ERG biomarkers expression in prostate cancer needle biopsies with more than one core positive: Implications for biomarkers sampling strategy”. Poster presentation. The United States and Canadian Academy of Pathology Meeting, San Diego, CA, 2014. |
| 1. “Heterogeneity of PTEN and ERG biomarkers expression in prostate cancer needle biopsies with more than one core positive: Implications for biomarkers sampling strategy”. Moderated poster presentation. The American Urology Association meeting, Orlando, FL, 2014. |
| 1. “Predictive Value of Pathologic Parameters and ERG Oncoprotein Expression in the Stratification of Prostate Cancer Risk Associated with High-Grade Prostatic Intraepithelial Neoplasia (HGPIN) Diagnosis”. Poster presentation. The United States and Canadian Academy of Pathology Meeting, Boston, MA, 2015. |
| 1. “Diagnosis of Gleason Pattern 5 Prostate Adenocarcinoma on Core Needle Biopsy: An interobserver reproducibility study among urologic pathologists”. GU proffered papers, platform presentations. The United States and Canadian Academy of Pathology Meeting, Boston, MA, 2015. |
| 1. “Predictive Value of Pathologic Parameters and ERG Oncoprotein Expression in the Stratification of Prostate Cancer Risk Associated with High-Grade Prostatic Intraepithelial Neoplasia (HGPIN) Diagnosis”. Moderated poster presentation. The American Urology Association meeting, New Orleans, LA, 2015. |
| 1. “Diagnosis of Limited Prostate Adenocarcinoma on Core Needle Biopsy: An improvement of interobserver reproducibility using comprehensive morphological and molecular criteria”. Poster presentation. The United States and Canadian Academy of Pathology Meeting, Seattle, WA, 2016. |
| 1. “High grade prostatic intraepithelial neoplasia with adjacent small atypical glands (PINATYP) on core needle biopsy: A clinicopathologic analysis of 54 cases with emphasis on predictors of prostate cancer”. Poster presentation. The United States and Canadian Academy of Pathology Meeting, Seattle, WA, 2016. |
| 1. “Atypical Intraductal Proliferation and Intraductal carcinoma of the prostate on core needle biopsy: A comparative clinicopathological and molecular study with a proposal to expand the morphological spectrum of Intraductal carcinoma”. Poster presentation, The United States and Canadian Academy of Pathology, March 6, 2017, San Antonio, Texas. |
| 1. “Morphologic Correlates of PTEN Loss in Prostate Cancer”. Poster presentation, The United States and Canadian Academy of Pathology, March 21, 2018, Vancouver, Canada. |

**Non-peer-reviewed scientific or medical publications/materials in print or other media**

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|  | **Shah RB**, Rubin MA. Applications of TMA technology. 12, Advance Laboratory, September 2002 |
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