

# Steven Christopher Smith, MD, PhD



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Anatomic Pathology  
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## Licenses & Certifications

Medical Licenses, Commonwealth of Virginia and State of California

Diplomate, Anatomic Pathology, American Board of Pathology

## Education

### *Postgraduate Medical Training*

Fellowship in GU Pathology, Cedars-Sinai Medical Center, Los Angeles, CA

Residency in Anatomic Pathology, University of Michigan, Ann Arbor, MI

### *Medical Education*

MD, University of Virginia, Charlottesville, VA

### *Graduate Education*

PhD, University of Virginia, Charlottesville, VA

MS, University of Virginia, Charlottesville, VA

### *Undergraduate Education*

BS, University of Georgia

## Honors/Awards

2020-2022	Election to "Richmond Top Docs", Richmond Magazine
2018	USCAP President's Award, awarded collectively to all members of the USCAP Foundation committee (2015-2018)
2018	Profiles of Excellence (PoE) Award, awarded by the American Association of Medical Society Executives to the Richmond Academy of Medicine: Richmond Young Physician Engagement "RYPE" leadership committee on which I served 2015-2018, and co-chaired 2018-2019
2014	International Society of Urology Pathology Excellence in Urologic Pathology Fellow Award
2013	M.R. Abell Housestaff Award, University of Michigan Department of Pathology
2013	A. James French Society Travel Fellowship, University of Michigan and AJF Alumni Society
2013	Vincent Hyams Award, North American Society of Head and Neck Pathology
2012	John Horsley Memorial Prize, Department of Surgery, University of Virginia

## Virginia Commonwealth University and Medical Center Appointments

Associate Professor of Pathology and Urology  
Director, Pathology Residency Program

## Professional Organizations

International Society of Urological Pathology

United States and Canadian Academy of Pathology (USCAP)

European Society for Pathology

American Society for Clinical Pathology

A. James French Society of Pathologists/UMPAS

Genitourinary Pathology Society (GUPS)

## Professional Service

VCU Health System Board of Directors, Quality Committee, 2021-current

Treasurer, A. James French Society of Pathologists 2020

Delegate, Medical Society of Virginia Fall Meeting, for the Richmond Academy of Medicine (5<sup>th</sup> District)

Co-Chair, Leadership Committee, RAM Young Physician Engagement "RYPE", Richmond Academy of Medicine

## Editorial Advisory Boards

Associate Editor, *American Journal of Clinical Pathology*

Associate Editor, *International Journal of Surgical Pathology*

Editorial Board, *Diagnostic Pathology*

Editorial Board, *Frontiers in Medicine, Pathology*

Editorial Board, *Bladder Cancer*

Editorial Board, *Clinical Genitourinary Cancer*

## Recent Invited Presentations

- 2022 "A Novel Variant Subtype of Urothelial Carcinoma, with Clinical Implications" International Academy of Pathologists Congress, Sydney, NSW, Australia.
- 2022 Moderator, "Clinical Utility of Urological Pathology Data Items", British Association of Urological Pathologists.
- 2021 "Getting Out of the Transition Zone: Prostate Pathology in 2021 and Beyond" Virginia Society for Pathology, Hot Springs, VA.
- 2020 "Updates and Controversies in Prostate Cancer Grading: Are We Reaching a Consensus?" Department of Pathology "SAGE Guru Series", AMRITA Institute of Medical Sciences, Kochi, Kerala, India.
- 2020 "Problem Cases in Prostate Pathology". Ohio State University Annual Update Course, Columbus, OH. (Invited Lecture, CME Course).
- 2020 "Pitfalls and Lessons Learned in Soft Tissue and Bone". Ohio State University Annual Update Course, Columbus, OH. (Invited Lecture, CME Course).
- 2020 "DMT101-20 Prostate Problems: Resolving Contemporary Conundrums in Prostate Histopathology" ASCP Annual Meeting (CME Course). Smith SC and Humphrey PA.
- 2020 "Review Course: Soft-Tissue Pathology" ASCP Annual Meeting (CME Course).
- 2019 From Pathology Reports to Practice Guidelines: Navigating the Rapidly Changing Classification of Kidney Tumors. Henry Ford Cancer Institute, Detroit MI (Invited Lectureship).
- 2019 "Newer Subtypes of Renal Cell Carcinoma; Morphology and Molecular Correlates" Inaugural Genitourinary Pathology Society Companion Meeting, USCAP 2019 Annual Meeting, National Harbor, MD, USA (Invited Plenary Session Speakership).

## Recent Publications

### *Peer Reviewed Publications (selected)*

**Smith SC**, Gandhi JS, Moch H, Aron M, Comp erat E, Paner GP, McKenney JK, Amin MB. Similarities and Differences in the 2019 ISUP and GUPS Recommendations on Prostate Cancer Grading: A Guide for Practicing Pathologists. *Adv Anat Pathol*. 2021 Jan;28(1):1-7. PubMed PMID: 33027069.

Gheghiani L, Wang L, Zhang Y, Moore XTR, Zhang J, **Smith SC**, Tian Y, Wang L, Turner K, Jackson-Cook CK, Mukhopadhyay ND, Fu Z. PLK1 induces chromosomal instability and overrides cell cycle checkpoints to drive tumorigenesis. *Cancer Res*. 2020 Dec 29;. [Epub ahead of print] PubMed PMID: 33376114.

Alhamar M, Tudor Vladislav I, **Smith SC**, Gao Y, Cheng L, Favazza LA, Alani AM, Ittmann MM, Riddle ND, Whiteley LJ, Gupta NS, Carskadon S, Gomez-Gelvez JC, Chitale DA, Palanisamy N, Hes O, Trpkov K, Williamson SR. Gene fusion characterisation of rare aggressive prostate cancer variants-adenosquamous carcinoma, pleomorphic giant-cell carcinoma, and sarcomatoid carcinoma: an analysis of 19 cases. *Histopathology*. 2020 Dec;77(6):890-899. PubMed PMID: 32639612.

Carpenter VJ, Patel BB, Autorino R, **Smith SC**, Gewirtz DA, Saleh T. Senescence and castration resistance in prostate cancer: A review of experimental evidence and clinical implications. *Biochim Biophys Acta Rev Cancer*. 2020 Dec;1874(2):188424. Review. PubMed PMID: 32956765.

Wang G, Mochel MC, Randall MB, Gandhi JS, Udager AM, Chan MP, Patel RM, Amin MB, Osunkoya AO, **Smith SC**. Genital verruciform xanthoma: lessons from a contemporary multi-institutional series. *Histopathology*. 2020 Nov;77(5):841-846. doi: 10.1111/his.14198. Epub 2020 Sep 15. PubMed PMID: 32598505.

Hatfield BS, King CR, Udager AM, Williamson SR, Gandhi JS, Amin MB, Spruill L, Lindsey KG, Pillappa R, Roseman JT 2nd, Mochel MC, **Smith SC**. Peyronie disease: a clinicopathologic study of 71 cases with emphasis on histopathologic patterns and prevalent metaplastic ossification. *Hum Pathol*. 2020 Oct;104:9-17. PubMed PMID: 32681945.

Berg SH, Massoud CM, Jackson-Cook C, Boikos SA, **Smith SC**, Mochel MC. A Reappraisal of Superficial Pleomorphic Liposarcoma. *Am J Clin Pathol*. 2020 Aug 5;154(3):353-361. PubMed PMID: 32525520.

Gohlke AL, Amin MB, **Smith SC**. CD34 positive tubular basement membrane in testicular germ cell tumours: a potential staging pitfall. *Histopathology*. 2020 Aug;77(2):331-333. doi: 10.1111/his.14131. Epub 2020 Jul 4. PubMed PMID: 32356916.

Neal DJ, Amin MB, **Smith SC**. CK20 versus AMACR and p53 immunostains in evaluation of Urothelial Carcinoma in Situ and Reactive Atypia. *Diagn Pathol*. 2020 May 26;15(1):61. doi: 10.1186/s13000-020-00984-2. PubMed PMID: 32456709; PubMed Central PMCID: PMC7251721.

Gandhi JS, **Smith SC**, Paner GP, McKenney JK, Sekhri R, Osunkoya AO, Baras AS, DeMarzo AM, Chevillet JC, Jimenez RE, Trpkov K, Colecchia M, Ro JY, Montironi R, Menon S, Hes O, Williamson SR, Hirsch MS, Netto GJ, Fine SW, Sirohi D, Kaushal S, Sangoi A, Robinson BD, Kweldam CF, Humphrey PA, Hansel DE, Schultz L, Magi-Galluzzi C, Przybycin CG, Shah RB, Mehra R, Kunju LP, Aron M, Kryvenko ON, Kench JG, Kuroda N, Tavora F, van der Kwast T, Grignon DJ, Epstein JI, Reuter VE, Amin MB. Reporting Practices and Resource Utilization in the Era of Intraductal Carcinoma of the Prostate: A Survey of Genitourinary Subspecialists. *Am J Surg Pathol*. 2020 May;44(5):673-680. PubMed PMID: 31876580.

Sarungbam J, Mehra R, Tomlins SA, **Smith SC**, Jayakumaran G, Al-Ahmadie H, Gopalan A, Sirintrapun SJ, Fine SW, Zhang Y, Amin MB, Reuter VE, Chen YB, Tickoo SK. Tubulocystic renal cell carcinoma: a distinct clinicopathologic entity with a characteristic genomic profile. *Mod Pathol*. 2019 May;32(5):701-709. Epub 2019 Jan 8. PubMed PMID: 30622286; PubMed Central PMCID: PMC7549436.

Heisey DAR, Lochmann TL, Floros KV, Coon CM, Powell KM, Jacob S, Calbert ML, Ghotra MS, Stein GT, Maves YK, **Smith SC**, Benes CH, Levenson JD, Souers AJ, Boikos SA, Faber AC. The Ewing Family of Tumors Relies on BCL-2 and BCL-XL to Escape PARP Inhibitor Toxicity. *Clin Cancer Res*. 2019 Mar 1;25(5):1664-1675. Epub 2018 Oct 22. PubMed PMID: 30348635.

Sirohi D, Vaske C, Sanborn Z, **Smith SC**, Don MD, Lindsey KG, Federman S, Vankalakunti M, Koo J, Bose S, Peralta-Venturina M, Ziffle JV, Grenert JP, Miller S, Chiu C, Amin MB, Simko JP, Stohr BA, Luthringer DJ. Polyoma virus-associated carcinomas of the urologic tract: a clinicopathologic and molecular study. *Mod Pathol*. 2018 Sep;31(9):1429-1441. doi: 10.1038/s41379-018-0065-z. Epub 2018 May 15. PubMed PMID: 29765141.

Ohe C, **Smith SC**, Sirohi D, Divatia M, de Peralta-Venturina M, Paner GP, Agaimy A, Amin MB, Argani P, Chen YB, Cheng L, Colecchia M, Comp  rat E, Werneck da Cunha I, Epstein JI, Gill AJ, Hes O, Hirsch MS, Jochum W, Kunju LP, Maclean F, Magi-Galluzzi C, McKenney JK, Mehra R, Nesi G, Osunkoya AO, Picken MM, Rao P, Reuter VE, de Oliveira Salles PG, Schultz L, Tickoo SK, Tomlins SA, Trpkov K, Amin MB. Reappraisal of Morphologic Differences Between Renal Medullary Carcinoma, Collecting Duct Carcinoma, and Fumarate Hydratase-deficient Renal Cell Carcinoma. *Am J Surg Pathol*. 2018 Mar;42(3):279-292. PMID: 29309300.

### *Book Chapters (selected)*

**Smith SC**. (Cover author, Multiple Chapters). In: *Diagnostic Pathology: Genitourinary*. 3rd Edition. Amin MB and Tickoo SK (Eds). Amirsys/Elsevier. May 2022. ISBN 9780323763325.

Gill A, Amin MB, **Smith S**, Trpkov K. Succinate dehydrogenase-deficient renal cell carcinoma. In: *WHO Classification of Tumours of the Urinary System and Male Genital Organs*. 4th Edition. Reuter VE (Ed.). WHO Press, Geneva. Feb 2016. 928322437X.

**Smith SC**. (Multiple Chapters). In: *Diagnostic Pathology: Genitourinary*. 2nd Edition. Tickoo SK and Amin MB (Eds). Amirsys/Elsevier. April 2016. ISBN 0323377149.

Jo VY and **Smith SC**. Soft tissue tumors. In: *Molecular Oncology Testing of Solid Tumors: A Pragmatic Approach*. Idowu M, Dumur C, and Garret C, (Eds). Switzerland: Springer; 2015. p 407-476. ISBN 978-3-319-16304-8.

**Smith SC** and Amin MB. Diagnosis of Invasion and Determination of the Depth of Invasion: Pearls and Pitfalls in Microscopic Staging. In: *Advances in Surgical Pathology: Bladder Cancer*. Zhai QJ and Ro JY (Eds). Philadelphia: Wolters Kluwer, 2015. p 69-96 ISBN 9781451192889.