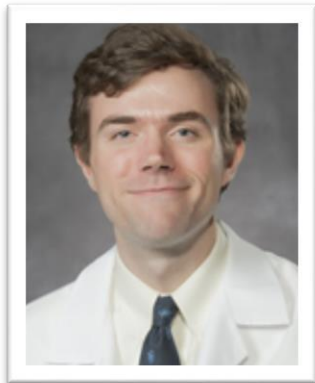


Mark Cameron Mochel, MD



Associate Professor of Pathology and Dermatology
Director of Dermatopathology
Department of Pathology
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Licenses & Certifications

Medical Licenses (Current)

Board of Medicine, Commonwealth of Virginia

Board Certifications

Diplomate, Anatomic and Clinical Pathology, American Board of Pathology

Diplomate, Dermatopathology, American Boards of Pathology and Dermatology

Education

Postgraduate Medical Training

Fellowship, Dermatopathology, University of Pennsylvania, Philadelphia, PA

Residency, Anatomic and Clinical Pathology, Massachusetts General Hospital,
Boston, MA

Medical Education

MD, University of Virginia School of Medicine, Charlottesville, VA

Undergraduate Education

BS, University of the South, Sewanee, TN

Awards

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|------|---|
| 2013 | Best Resident/Fellow Oral Presentations, Second Place, American Society of Dermatopathology 50 th Annual Meeting |
| 2013 | Department Award for Poster Presentation, MGH Clinical Research Day |
| 2010 | Alpha Omega Alpha, University of Virginia School of Medicine |
| 2010 | Gold Humanism Honor Society, University of Virginia School of Medicine |

Virginia Commonwealth University and Medical Center Appointments

Associate Professor, Department of Pathology and Department of Dermatology
Director of Dermatopathology
CLIA Director, Mohs Micrographic Surgery Laboratory

Professional Organizations

United States and Canadian Academy of Pathology
American Society of Dermatopathology
International Society of Dermatopathology
Massey Cancer Center, Associate Member

Professional Service

- | | |
|--------------|---|
| 2020-present | American Society of Dermatopathology, Peer Review Committee |
| 2018-2020 | American Society of Dermatopathology, Continuing Education and Research Committee |

Editorial Advisory

Editorial Board, Journal of Cutaneous Pathology

Editorial Board, Dermatologic Surgery

Editorial Board, Pediatric Dermatology

Recent Invited Presentations

"Inpatient Skin Biopsies: Urgent and Emergent Diagnoses in Dermatopathology."
University of Pennsylvania Department of Pathology, January 2020, invited seminar for pathology residents

Dermatopathology Bootcamp for Residents, 4th, 5th, 6th, 7th, 8th, and 9th Annual, Eastern Virginia Medical School and Virginia Commonwealth University, July 2017-2022, dermatopathology cases with upper level dermatology residents

Recent Publications

Peer Reviewed Publications (selected)

Mochel MC, Wojcik J, Gowda M, Tye G, Patel RM, Smith SC. Pediatric Soft Tissue Neoplasms with BRAF Activating Mutations. Mod Pathol. 2022 Jul;35(7):989-992. PMID: 34117348

Mochel MC, Elder DE. Characterizing the Clinical Implications of Histologic Regression in Melanoma Requires Clear Diagnostic Criteria That Are Consistently Applied. JAMA Dermatol. 2021 Aug 1;157(8):1006. PMID: 34190971

Sahni D, Cummings LW, Lee RB, Lenczowski J, **Mochel MC**. Verruca vulgaris arising within the red portion of a multi-colored tattoo. Cutis. 2021 August;108(02):E42-E43. PMID: 34735332

Zhu X, Jamshed S, Zou J, Azar A, Meng X, Bathini V, Dresser K, Strock C, Yalamarti B, Yang M, Tomaszewicz K, Tjionas G, **Mochel MC**, Hutchinson L, Bledsoe JR.

Molecular and immunophenotypic characterization of anal squamous cell carcinoma reveals distinct clinicopathologic groups associated with HPV and TP53 mutation status. *Mod Pathol.* 2021 May;34(5):1017-1030. PMID: 33483624

Lospinoso K, Nichols CS, Malachowski SJ, **Mochel MC**, Nutan F. A Case of Severe Cutaneous Adverse Reaction Following Administration of the Janssen Ad26.COV2.S COVID-19 Vaccine. *JAAD Case Reports.* *JAAD Case Rep.* 2021 May 26;13:134-7. PMID: 34056055

Mochel MC, Liaquat S, Moore JB, Hoang MP. Metastasizing basal cell carcinoma: A clinicopathologic and immunohistochemical study of twenty-two cases. *Journal of Cutaneous Pathology.* *J Cutan Pathol.* 2021 Mar;48(3):374-383. PMID: 33010047

Williams EA, Montesion M, Alexander BM, Ramkissoon S, Elvin JA, Ross JS, Williams KJ, Glomski K, Bledsoe JR, Tse JY, Mochel MC. CYLD mutation characterizes a subset of HPV-positive head and neck squamous cell carcinomas with distinctive genomics and frequent cylindroma-like histologic features. *Mod Pathol.* 2021 Feb;34(2):358-370. PMID: 32892208

Hatfield BS, King CR, Udager AM, Williamson SR, Gandhi J, Amin MB, Spruill L, Lindsey KG, Roseman JT, Pillappa R, Roseman JT, **Mochel MC**, Smith SC. Peyronie Disease: Clinicopathologic Study of 71 Cases with Emphasis on Histopathologic Patterns and Prevalent Metaplastic Ossification. *Hum Pathol.* 2020 Oct;104:9-17. PMID: 32681945

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. PMID: 32598505. * Equal contribution

Williams EA, Montesion M, Sharaf R, James C, Patel P, Gillespie B, Pavlick D, Sokol ES, Alexander BM, Williams KJ, Elvin JA, Ross JS, Ramkissoon S, Hemmerich A, Tse JY, **Mochel MC**. CYLD-mutant cylindroma-like basaloid carcinoma of the anus: a genetically and morphologically distinct class of HPV-related anal carcinoma. *Mod Pathol.* 2020 Dec;33(12):2614-2625. PMID: 32461623

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. PMID: 32525520

Williams EA, Montesion M, Shah N, Sharaf R, Sokol ES, Alexander BM, Venstrom JM, Elvin JA, Ross JS, Williams KJ, Tse JY, **Mochel MC**. Melanoma with In-Frame Deletion of MAP2K1: A Distinct Molecular Subtype of Cutaneous Melanoma Mutually Exclusive from BRAF, NRAS, and NF1 Mutations. *Mod Pathol*. 2020 Dec;33(12):2397-2406. PMID: 32483240

Williams EA, Werth AJ, Sharaf R, Montesion M, Sokol ES, Pavlick DC, McLaughlin-Drubin M, Erlich R, Toma H, Venstrom JM, Alexander BM, Shah N, Danziger N, Killian JK, Lin D, Ross JS, Tse JY, **Mochel MC**, Elvin JA. Vulvar squamous cell carcinoma: comprehensive genomic profiling of HPV(+) versus HPV(-) forms reveals distinct sets of potentially actionable molecular targets. *JCO Precis Oncol*. 2020 :4, 647-661. PMID: 32923875

Williams EA, Shah N, Montesion M, Sharaf R, Pavlick DC, Sokol ES, Alexander BM, Venstrom JM, Elvin JA, Ross JS, Tse JY, **Mochel MC**. Melanomas with Activating RAF1 Fusions: Clinical, Histopathologic, and Molecular Profiles. *Mod Pathol*. 2020 Aug;33(8):1466-1474. PMID: 32123303

Colon-Cartagena L, Wang GY, Idowu MO, Smith SC, **Mochel MC**. SOX10-Positive Perivascular Cells in Sentinel Lymph Nodes: A Reliably Intrinsic Internal Control. *J Cutan Pathol*. 2020 Apr;47(4):415-417. PMID: 31894865

Mochel MC, Garcia P, Memari P, Domson G, Smith SC. The Morel-Lavallée lesion: a report of two cases. *Pathology*. 2018 Oct;50(6):693-694. PMID: 30145069

Moy AP, **Mochel MC**, Muzikansky A, Duncan LM, Kraft S. Lymphatic invasion predicts sentinel lymph node metastasis and adverse outcome in primary cutaneous melanoma. *J Cutan Pathol*. 2017 Sep;44(9):734-739. PMID: 28555886

Mochel MC, Ming ME, Imadojemu S, Gangadhar TC, Schuchter LM, Elenitsas R, Payne AS, Chu EY. Cutaneous autoimmune effects in the setting of therapeutic immune checkpoint inhibition for metastatic melanoma. *J Cutan Pathol*. 2016 Sep;43(9):787-91. PMID: 27161449

Mochel MC, Hammond MR, Frederick DT, Alora-Palli MB, Piris A, Flaherty KT, Hoang MP. Melanocytic nevi excised during B-Raf proto-oncogene (BRAF) inhibitor therapy: A study of 19 lesions from 10 patients. *J Am Acad Dermatol*. 2015 Sep;73(3):491-499. PMID: 26190239

Mochel MC, Piris A, Nose V, Hoang MP. Loss of BAP1 Expression in Basal Cell Carcinomas in Patients With Germline BAP1 Mutations. *Am J Clin Pathol*. 2015 Jun;143(6):901-4. PMID: 25972334

Mochel MC, Duncan LM, Piris A, Kraft S. Primary mucosal melanoma of the sinonasal tract: a clinicopathologic and immunohistochemical study of thirty-two cases. *Head Neck Pathol*. 2015 Jun;9(2):236-43. PMID: 25292260

Lee JJ *, **Mochel MC***, Piris A, Boussahmain C, Mahalingam M, Hoang MP. p40 exhibits better specificity than p63 in distinguishing primary adnexal carcinomas from cutaneous metastases. *Hum Pathol*. 2014 May;45(5):1078-83. PMID: 24746214. * Equal contribution

Routhier CA, **Mochel MC**, Lynch K, Dias-Santagata D, Louis DN, Hoang MP. Comparison of two monoclonal antibodies for immunohistochemical detection of BRAF V600E mutation in malignant melanoma, pulmonary carcinoma, gastrointestinal carcinoma, thyroid carcinoma, and gliomas. *Hum Pathol*. 2013 Nov;44(11):2563-2570. PMID: 24071017

Boussahmain C, **Mochel MC**, Hoang MP. Perilipin and adipophilin expression in sebaceous carcinoma and mimics. *Hum Pathol*. 2013 Sep;44(9):1811-6. PMID: 23642680

Mochel MC, Arakaki RY, Wang G, Kroshinsky D, Hoang MP. Cutaneous Calciphylaxis: A Retrospective Histopathologic Evaluation. *Am J Dermatopathol*. 2013 Jul;35(5):582-6. PMID: 23328789

Book Chapters

Mochel MC, Marques MEA, Hoang MP. Chapter 12: Panniculitis. In: *Hospital-Based Dermatopathology: An Illustrated Guide to Evaluation and Management*. Hoang MP and Selim MA. Springer Nature, Cham, Switzerland, 2020. pp. 499-553

Hatfield BS, **Mochel MC**, Smith SC. Mesenchymal Neoplasms of the Genitourinary System: A Selected Review with Recent Advances in Clinical, Diagnostic, and Molecular Findings. *Surg Pathol Clin*. 2018 Dec;11(4):837-876. PMID: 30447845

Mochel MC, Hoang MP. Chapter 3: Role of immunohistochemistry and chromogenic in situ hybridization in diagnosis. In: *Cutaneous Hematopathology*. Cuaing H, Morgan M, Hoang MP, Kadin ME, eds. Springer, New York, 2014. pp. 55-87

Mochel MC, Hoang MP. Multiple familial trichoepitheliomas syndrome. In: *Cases in Dermatopathology: Pediatric Dermatopathology*. Knowledge Books and Software, Brisbane, Queensland, Australia, 2012. pp. 21-26