

Sameer Chhetri Aryal, MD



Assistant Professor
Department of Pathology
Virginia Commonwealth University Health System
Email: Sameer.ChhetriAryal@vcuhealth.org

Education

2025 Surgical Pathology Fellowship, Mayo Clinic, Rochester, Minnesota

2024 Cytopathology Fellowship, Cleveland Clinic, Cleveland Ohio

2023 Anatomical and Clinical Pathology Residency, Henry Ford Hospital
Detroit, Michigan

2016 Bachelor of Medicine, Bachelor of Surgery, KIST Medical College,
Kathmandu, Nepal

Licenses & Certifications

Active

Virginia Medical License

Board Certifications

2023 Anatomic and Clinic Pathology

2024 Cytopathology

Professional Organizations

2022 - Present	American Society of Cytopathology
2019 - Present	American Society for Clinical Pathology
2019 - Present	College of American Pathologists
2016 - Present	Nepal Medical Council- License Medical Practitioner

Professional Service (current)

2025 - Present Committee Member, Case Study Committee, American Society of Cytopathology (ASC)

Recent Invited Presentations

ASC – Live ASC E Journal presentation 2023: **Aryal SC**, Husain S, Zhang Z, Yuan L. Gastric glomus tumor on EUS-FNA-based cytology: clinicopathologic and immunohistochemical features of 4 cases, including 1 case with associated MIR143HG-NOTCH2 fusion gene. J Am Soc Cytopathol. 2023;12(4):296-306. doi: 10.1016/j.jasc.2023.03.004. Epub 2023

Recent Publications

Chhetri Aryal S, Shittu K, Mustafa M, Alruwaili FI, Perry KD, Yuan L. Desmoplastic Small Round Cell Tumor: Study of Cytomorphologic and Immunophenotypical Features in Seven Cases, One With Unusual Rhabdoid Morphology. Diagn Cytopathol. 2026 Apr;54(4):E100-E107. doi: 10.1002/dc.70079. Epub 2026 Jan 11. PMID: 41520348.

Aryal, G., & **Chhetri Aryal, S.** (2025). Interpretation of orthotopic liver transplantation biopsy. *Journal of Pathology of Nepal*, 15(2), 2392–2401. <https://doi.org/10.3126/jpn.v15i2.87481>

Aryal SC, Banet N. The Use of Cytology Specimens in Isolation for Diagnosis of High-Grade Serous Carcinoma Prior to Initiation of Neoadjuvant Chemotherapy: A 3-Year Experience at a Large Referral Hospital. International Journal of Surgical Pathology. 2025;0(0). doi:10.1177/10668969251362188

Xu Z, **Aryal SC**, McHugh K, Theisen BK, Yuan L. Fine Needle Aspiration Cytology of Pancreatoblastoma in Adult/Adolescent Patients, One With Histology Mimicking NUT Carcinoma. Diagn Cytopathol. 2024. doi: 10.1002/dc.25412. Epub ahead of print. PMID: 39391903.

Aryal SC, Husain S, Zhang Z, Yuan L. Gastric glomus tumor on EUS-FNA-based cytology: clinicopathologic and immunohistochemical features of 4 cases, including 1 case with associated MIR143HG-NOTCH2 fusion gene. J Am Soc Cytopathol. 2023 Jul- Aug;12(4):296-306. doi: 10.1016/j.jasc.2023.03.004. Epub 2023

Lisi Yuan, Margaret Gero, Shereen Zia, **Sameer Chhetri Aryal**, Sindhu Shetty, Jordan P. Reynolds. Cyto-histo correlation and false-negative urine: Before and after the Paris system for reporting urinary cytology. *Diagn Cytopathol*. 2022 Jun 2. doi: 10.1002/dc.24982. Epub 2022

Sameer Chhetri Aryal, Shereen Zia, Shannon Rodgers, Yulei Shen, Kyle D. Perry, Lisi Yuan. BRD3-NUTM1-expressing NUT carcinoma of lung on cytology of endobronchial ultrasound (EBUS)-guided transbronchial fine needle aspiration, a diagnostic pitfall. *Diagn Cytopathol*. 2022 Feb;50(2):E47-E53. doi: 10.1002/dc.24885. Epub 202

Aryal G, **Chhetri Aryal S**. Approach to native medical renal biopsy interpretation of glomerular disease. *Journal of Pathology of Nepal*. 2019;9:1571-79. doi: <https://doi.org/10.3126/jpn.v9i2.25664>.

Karki P, **Chhetri Aryal S**, Aryal G, Panth R, Bohara M, Joshi S, Paudel P, Shah DB, Sharma GR. Colloid cyst of the third ventricle: histopathological and ultrastructural study. *Journal of Pathology of Nepal*. 2019;9:1590-4. doi: <https://doi.org/10.3126/jpn.v9i2.24882>

Chhetri Aryal S, Aryal G. Early detection of cancer in Nepal: role of liquid biopsy. *Journal of Pathology of Nepal*. 2018;8:1399-1407. doi: <https://doi.org/10.3126/jpn.v8i2.20893>

Abstracts

Sameer Chhetri Aryal, Natalie Banet. The Use of Cytology Specimens in Isolation for Diagnosis of Pelvic High-Grade Serous Carcinoma Prior to Initiation of NeoAdjuvant Chemotherapy: A Three-Year Experience at a Large Referral Hospital, 2024 USCAP Annual Conference

Sameer Chhetri Aryal, Mohamed Mustafa, Fatimah I. Alruwaili, Kyle D. Perry, Lisi Yuan. Desmoplastic small round cell tumor: study of cytomorphologic and immunophenotypical features in eight cases, one with usual rhabdoid morphology. ASC's 71st Annual Scientific Meeting, 2023

Sameer Chhetri Aryal, Kelsey McHugh, Brian K. Theisen, Zhengfan Xu, Lisi Yuan. Fine Needle Aspiration Cytology of Pancreatoblastoma in Adult/adolescent Patients, One with Unusual Diffuse Aberrant Expression of Beta-catenin and Histology Mimicking NUT Carcinoma. ASC's 71st Annual Scientific Meeting, 2023

Sameer Chhetri Aryal, Lisi Yuan. Gastric glomus tumor on EUS-FNA-based cytology; clinicopathologic and immunohistochemical features of four cases including a case with associated MIR143HG-NOTCH2 fusion gene. ASC's 70th

Annual Scientific Meeting, 2022

Sameer Chhetri Aryal, Shereen Zia, Harshita Mehrotra, Oluwayomi Oyedeji, Zaher K. Otrrock. Clinico-laboratory Profile and Outcome of Covid-19 Patients with Chronic Immune Thrombocytopenia. Medical Education Research Forum. 2022

Shannon Rodgers; Swetha Gaddam; **Sameer Chhetri Aryal**; Christian Keller; Kyle Perry. Tenosynovitis with psammomatous calcification: first case in the cytology literature of this rare pseudotumor. CAP 2022

Sameer Chhetri Aryal, Shereen Zia, Yulei Shen, Kyle D. Perry, Lisi Yuan. BRD3-NUTM1-expressing NUT carcinoma of lung on cytology of endobronchial ultrasound (EBUS)-guided transbronchial fine needle aspiration, a diagnostic pitfall. CAP 2021. PAGE 5

Sameer Chhetri Aryal, Shereen Zia, Juan Gomez-Gelvez, Wei Liu, MD; Kedar Inamdar and Yulei Shen. NPM1 and SF3B1 mutations in a case of chronic myeloid neoplasm with MDS/MPN-like features and hypereosinophilia. CAP 2021

Chhetri Aryal S, Favazza L, Keller CE, Alkhoory WL. A rare case of salivary duct carcinoma arising from the lacrimal gland. Arch Pathol Lab Med. 2020;144(9s1):e109

Chhetri Aryal S, Wang Z, Favazza L. Clinical and diagnostic intricacy behind xanthogranulomatous cholecystitis: literature review and report of an exemplary case. Arch Pathol Lab Med. 2020;144(9s1):e28-9

Chapter

Aryal SC, Ghafoor M, Jimenez RE. Granulomatous inflammation. PathologyOutlines.com website. <https://www.pathologyoutlines.com/topic/testisorchitis.html>.