

Ashley Mathew-Brothers, M.D.

Forensic Pathologist | Biomechanics

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Professional Profile

Ashley E. Mathew-Brothers, MD, is a board-certified anatomic, clinical, and forensic pathologist with several years of experience as a Medical Examiner.

She has performed over 1500 forensic and hospital autopsies to date, working with various agencies and interested parties to help determine cause and manner of death in both natural and un-natural settings.

Dr. Mathew-Brothers' work encompasses death investigation, injury causation, and disease processes, and she has provided expert testimony in criminal and civil proceedings in district and circuit courts. She is well-versed in firearm-related deaths, thermal injuries, occupational incidents, blunt- and sharp-force injuries, asphyxial deaths, toxicology, pediatric non-accidental trauma, and in-custody deaths. She also brings extensive experience in case review and consultation, ranging from insurance case claims to private autopsy reviews.

After completing her medical degree in India, Dr. Mathew-Brothers returned to the United States and completed her residency in Anatomic and Clinical Pathology from the University of Louisville School of Medicine. She then went on to complete a fellowship in Forensic Pathology from the University of Louisville School of Medicine in conjunction with the Kentucky Office of the Chief Medical Examiner. She currently serves as a gratis/volunteer assistant professor at the University of Louisville Department of Pathology and Laboratory Medicine and the University of Kentucky Department of Pathology and Laboratory Medicine.

Dr. Mathew-Brothers belongs to several nationally and internationally recognized organizations, including the National Association of Medical Examiners (NAME). She is an Overseas Member/Affiliate Member of the Medico-Legal Society (UK) and the Faculty of Forensic and Legal Medicine (UK). Dr. Mathew-Brothers is also a member of the editorial board of *Academic Forensic Pathology*.

Academic Credentials & Professional Honors

M.B., B.S. (M.D.), Medicine, Mahatma Gandhi University, 2006

Licenses and Certifications

Board Certified in Anatomic Pathology by the American Board of Pathology

Board Certified in Clinical Pathology by the American Board of Pathology

Educational Commission for Foreign Medical Graduates Certificate

Board Certified in Forensic Pathology by the American Board of Pathology

Academic Appointments

Assistant Professor (Volunteer Faculty), Department of Pathology and Laboratory Medicine, University of Kentucky School of Medicine, 2024-present

Clinical Assistant Professor (Gratis), Department of Pathology and Laboratory Medicine, University of Louisville School of Medicine, 2020-present

Prior Experience

Consultant Forensic Pathologist, Forensic Pathology Services, LLC, Las Vegas, NV, 2024-present

Autopsy Pathologist and Co-Owner, Kentuckiana Forensic Solutions, PLLC, 2024-present

Medical Examiner II, Office of the State Medical Examiner, Commonwealth of Kentucky Justice and Public Safety Cabinet, 2020-present

Consultant Forensic Pathologist, R3 Continuum, Bloomington, MN, 2020-2025

Professional Affiliations

Association of Kerala Medical Graduates (AKMG), Member, 2026-present

Faculty of Forensic and Legal Medicine (FFLM) of the Royal College of Physicians (UK), Affiliate Member, 2024-present

Medico-Legal Society (UK), Overseas Member, 2024-present

National Association of Medical Examiners (NAME), 2017-present

Publications

Mathew A, Munoz Mirabal A, Alatassi H, Yang X, Fraig M. "The Prevalence of EGFR Mutations and Other Genetic Markers in Patients with Lung Adenocarcinoma in the State of Kentucky." Poster Presentation at the College of American Pathologists Annual Meeting, Las Vegas, NV, 2016.

Mathew A, Schaffer K, Ayyoubi T. "Characterization of a Recurrent Febrile Non-Hemolytic Transfusion Reaction in a Patient: A Case Study." Poster Presentation at Research!Louisville, Louisville, KY, 2015.

Krywanczyk A, Amoresano E, Anderson L, Mathew A E, et al. "[In Defense of Autopsy](#)." The Pathologist. 2022.

Peterson B, Arnall M, Avedschmidt S, Mathew A, et al. "[Commentary on: Dror IE, Melinek J, Arden JL, Kukucka J, Hawkins S, Carter J, et al. Cognitive bias in forensic pathology decisions. J Forensic Sci.. Epub 2021 Feb 20.](#)" J Forensic Sci. 2021;66(6):2541-2544. doi:10.1111/1556-4029.14843

Thatikunta M, Nuru M, Mathew A E, et al. "[Tenosynovial Giant Cell Tumor of the Cervical Spine: Case Report and Review of the Literature](#)." Cureus 2020;12(12): e12232. doi:10.7759/cureus.12232

Conference Presentations

Newberry HM, Stephenson TL, Greenwell JP, Ralston W, Mathew-Brothers AE. "Two Unusual Cases of Suicide via Circular Saw: Case Reports and Literature Review." Poster Presentation at National Association of Medical Examiners' Annual Meeting, Louisville, KY, 2025.

Lopez Diaz T, Thompson M, Mathew AE, Arabadjief D. "Death by Choroid Plexus Tumor Infarction: A Rare Entity." Poster Presentation at National Association of Medical Examiners' Annual Meeting, West Palm Beach, FL, 2021.

Pacheco M, Lopez Diaz T, Mason T, Mathew AE, Stewart DM. "Child and Adolescent Suicide: A Ten-Year (2010–2019) Retrospective Analysis of Medical Examiner Cases in Kentucky." Platform Presentation at American Academy of Forensic Sciences' Annual Meeting (Virtual), 2021.

Khafateh Y, Mathew A, Aqil B. "Tryptase Positivity in a Chronic Myeloid Leukemia case with Marked Basophilia." Presented at College of American Pathologists Annual Meeting, Chicago, IL, 2018.

Mathew AE, Elin RJ, Ayyoubi MT. "Priapism: An unusual initial presentation of chronic myeloid leukemia." Poster Presentation at College of American Pathologists Annual Meeting, National Harbor, MD, 2017.

Mathew AE, Price J, Ayyoubi MT. "Prophylactic management of hypertriglyceridemia with plasmapheresis: A case report." Poster Presentation at American Society of Clinical Pathology Annual Meeting, Chicago, IL, 2017.

Alghamdi M, Mathew A, Alatassi H, Fraig M. "Detection of metastatic melanoma using immunohistochemical stains: how many and which ones?" Poster Presentation at United States & Canadian Academy of Pathology's Annual Conference, San Antonio, TX, 2017.

Additional Education & Training

Forensic Pathology Fellowship, University of Louisville School of Medicine/Kentucky Office of the Chief Medical Examiner, 2019-2020

Residency, Anatomic and Clinical Pathology, University of Louisville School of Medicine, 2015-2019

Advisory Appointments

Membership and Credentials Committee, National Association of Medical Examiners, 2026-present

Fatality Review Committee, Jefferson County Domestic Violence Prevention Coordinating Council, 2024-present

Ad-hoc Aeronautics and Space Committee, National Association of Medical Examiners, 2024-2025

Education, Program, and Publication Scientific Presentations Awards Subcommittee, National Association of Medical Examiners, 2022-present

Ethics Committee, National Association of Medical Examiners, 2022-present

Asian American and Pacific Islander (AAPI) Employee Resource Group, Commonwealth of Kentucky Personnel Cabinet, 2022-present

Ad-hoc Diversity Committee, National Association of Medical Examiners, 2020-2023

Alternate Delegate from Kentucky, College of American Pathologists' House of Delegates, 2020-2023

Pathology Resident Representative, University of Louisville Hospital Resident Quality and Safety Leadership Council, 2017-2018

Delegate, College of American Pathologists' Residents Forum, 2016-2018

International Medical Graduate Advisor, ECFMG IMG Advisors' Network (IAN), 2016-2023

Editorships & Editorial Review Boards

Academic Forensic Pathology, Editorial Board Member/Reviewer, 2025-present