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2nd International webinar on

PATHOLOGY AND SURGICAL PATHOLOGY

February 16, 2022 | Webinar

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Ethics of AI in pathology: Current paradigms and emerging issues

Deep learning has rapidly advanced artificial intelligence (AI) and algorithmic decision-making (ADM) paradigms, affecting many traditional fields of medicine, including pathology, which is a heavily data centric specialty of medicine. The structured nature of pathology data repositories makes it highly attractive to AI researchers to train deep learning models to improve health care delivery. Additionally, there are enormous financial incentives driving adoption of AI and ADM due to promise of increased efficiency of the health care delivery process. AI, if used unethically, may exacerbate existing inequities of health care, especially if not implemented correctly. There is an urgent need to harness the vast power of AI in an ethically and morally justifiable manner. This session explores the key issues involving AI ethics in pathology. Issues related to ethical design of pathology AI studies and the potential risks associated with implementation of AI and ADM within the pathology workflow will be discussed. Three key foundational principles of ethical AI: transparency, accountability, and governance, will be discussed in the context of pathology. The future practice of pathology must be guided by these principles. Pathologists should be aware of the potential of AI to deliver superlative health care and the ethical pitfalls associated with it. Finally, pathologists must have a seat at the table to drive future implementation of ethical AI in the practice of pathology.

Biography

Chhavi Chauhan works as Director for Scientific Outreach at the American Society for Investigative Pathology and Director of the Continuing Medical Education (CME) Program at the Journal of Molecular Diagnostics. She is one of the leaders of the Women in AI Ethics Collective and an expert at the AI Policy Exchange. She is a biomedical researcher, expert scholarly communicator, and a sought after mentor in the fields of scientific research, scholarly publishing, and AI Ethics, especially for women and minorities. She is a thought leader, a renowned international speaker, and a strong advocate for equitable and accessible healthcare. She sits at the intersection of scientific research, scholarly communications, and AI Ethics in Healthcare. Her vision is to provide equitable personalized healthcare to all, beyond geographies, and despite socioeconomic disparities.

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