



Digital Pathology: Applications and Challenges

Guest Editor:

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Message from the Guest Editor

Dear colleagues,

Digital pathology has been available for pathologists to use for several decades, but the adoption of this powerful new technology has been slow. The last few years have seen progress as the technology has improved and integration with laboratory information systems has improved the workflow so that it improves rather than impedes case handling. This Special Issue of the journal *JPM* will be dedicated to papers reviewing the history of the development of digital pathology, from telepathology using robotic microscopes to whole-slide imaging. There will be reviews of the applications of whole-slide imaging in clinical practice, education and research, and the progress made using automated algorithms for diagnosis. There will be reviews by those who have implemented this technology with lessons learned and positive experiences. Experts in this field will provide insights into the process and progress of artificial intelligence and how it can impact clinical practice using deep learning and neural networks to advance diagnosis, prognosis, and prediction.

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