

Advancing Diagnostics: Digital Pathology Adoption and Impact in APAC

26th June 2025 | Thursday
10am - 11am (SGT)

Organised By:  DIAGNOSTICS DEVELOPMENT HUB

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DxD Hub and KLAS Research partnered to explore the rising relevance of digital pathology in the Asia-Pacific (APAC) region, where adoption is gaining momentum in response to increasing demand for diagnostic innovation. While digital pathology remains in its early stages globally, the webinar highlighted how interest is accelerating, driven by technological advancements, emerging clinical applications, and the growing need for diagnostic efficiency.

Key areas covered included:

- Global trends, market penetration, and ROI
- Unique APAC challenges (regulatory, funding, reimbursement, infrastructure)
- Insights from Singapore’s public healthcare system
- Clinical implementation efforts and workflow impact
- Opportunities to align global best practices with local needs

Chair and Moderator

Mr. Lijoy George
Assistant Vice President,
Head of Digital Health, DxD hub

Speakers and Panelist

Mr. Eder Lagemann
Regional Director, Europe & LATAM,
KLAS Research

A/Prof. Tan Soo Yong
Senior Consultant, Department of Pathology, NUHS and
Research Director, AMPL&BPIS, IMCB

Prof. Weimiao Yu
Senior Principal Investigator, Bioinformatics Institute (BII),
Head of Intelligent Digital and Molecular (IDMP) Lab

Webinar Highlights:

Speakers from the USA and Singapore shared distinct perspectives from market, clinical, and research angles on the digital pathology landscape, implementation challenges, and AI-driven innovations:

- Digital pathology is still in very early stage in US. It is estimated 10% of digital pathology adoption for clinical use, and these early adopters are very much still assessing the use-cases and results that can be achieved. This trend is expected to increase as 1 out of 5 large organizations have indicated digital pathology as part of their enterprise imaging roadmap (Mr Eder).
- Digital pathology is typically used for archival of old slides and telepathology (Mr Eder, A/Prof Tan). 15-25% efficiency gains were cited by 2 early adopters in US based on time savings from retrieval of old slides (Mr Eder).
- Cost remains a major barrier for digital pathology adoption —scanner acquisition, storage, and software licensing are cited as key challenges (Mr Eder, A/Prof Tan, Dr Yu). Storage strategy is a key consideration with various strategies implemented by the early adopters e.g. hot/cold storage, selective retention and active archival (Mr Eder). Selective retention may be an approach to drive value while balancing storage cost e.g. precious specimens and multidisciplinary discussions (A/Prof Tan).
- AI is envisaged as the key technology to fully achieve the benefits of digital pathology (Mr Eder, A/Prof Tan, Dr Yu). High-volume & low complexity cases such as endoscopic biopsies may be an area to help increase productivity of digital pathology (A/Prof Tan). Standardization such as adoption of DICOM standards will then help to expediate the adoption and ease integrations across systems (Mr Eder, Dr Yu).
- Appropriate pathologist remuneration for digital pathology should be considered to further support and encourage its adoption. Quality assurance & validation for digital pathology is equally demanding with pathologists having to do double efforts on manual and digital before these digital services can be offered (A/Prof Tan).
- Scalability of digital pathology AI models is affected by model generalization and explainability. Image quality control and generalization are key steps towards building comprehensive pipeline for medical class AIDP models. (Dr Yu)



60 Registrations



51 Attendees



7 Questions raised

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