Nottingham University Hospitals NHS Trust (NUH) Implements a Fully Digitized Pathology Workflow

An Enterprise Deployment of HALO AP®

HALO AP® at NUH

- HALO AP is used for primary diagnosis, secondary consultations, tumor boards, remote reporting, and multidisciplinary team meetings
- Hamamatsu NanoZoomer scanners, Dell hardware, and HALO AP are fully integrated with existing hospital laboratory systems

NUH Objectives in Operationalizing Digital Pathology

- Improve reporting capacity by increasing overall productivity
- Reduce time to diagnosis
- Improve effectiveness of reporting by increasing accuracy and reducing variation
- Develop a paperless, low-glass workflow

Key Statistics on NUH Deployment of HALO AP®

- UKAS accreditation to ISO15189
- 72,000 cases per year
- 355,000 slides per year scanned
- 32 Consultant Pathologists in 8 subspecialty teams

NHS
Nottingham University Hospitals
NHS Trust

Nottingham University Hospitals NHS Trust (NUH) is the third largest National Health System (NHS) trust in England and provides services to 2.5 million residents in Nottingham and the surrounding communities.[1] NUH processes 355,000 slides per year across 2 campuses.

HALO AP® by indica labs

HALO AP® is a CE-marked* enterprise diagnostic digital pathology platform that enables anytime, anywhere access to collaborate with colleagues on cases, tumor boards, secondary consultations, clinical trials, as well as quantitative IHC image analysis and AI-driven workflows.

"Digital Pathology has facilitated working and teaching remotely and has allowed us to continue our close relationship with our histology colleagues throughout the COVID pandemic. There has been a considerable reduction in the delay in immunohistochemistry that previously required physical transportation to this campus. We can easily compare previous slides and can ask for review of biopsies that have been sent to other subsections of histology, without there being a delay physically locating a slide. I have also found the new digital system to have made a tremendous improvement in our histology and tumor board meetings."

Dr. Fran Wadelin, MD
Consultant Hematologist
Nottingham University Hospitals NHS Trust

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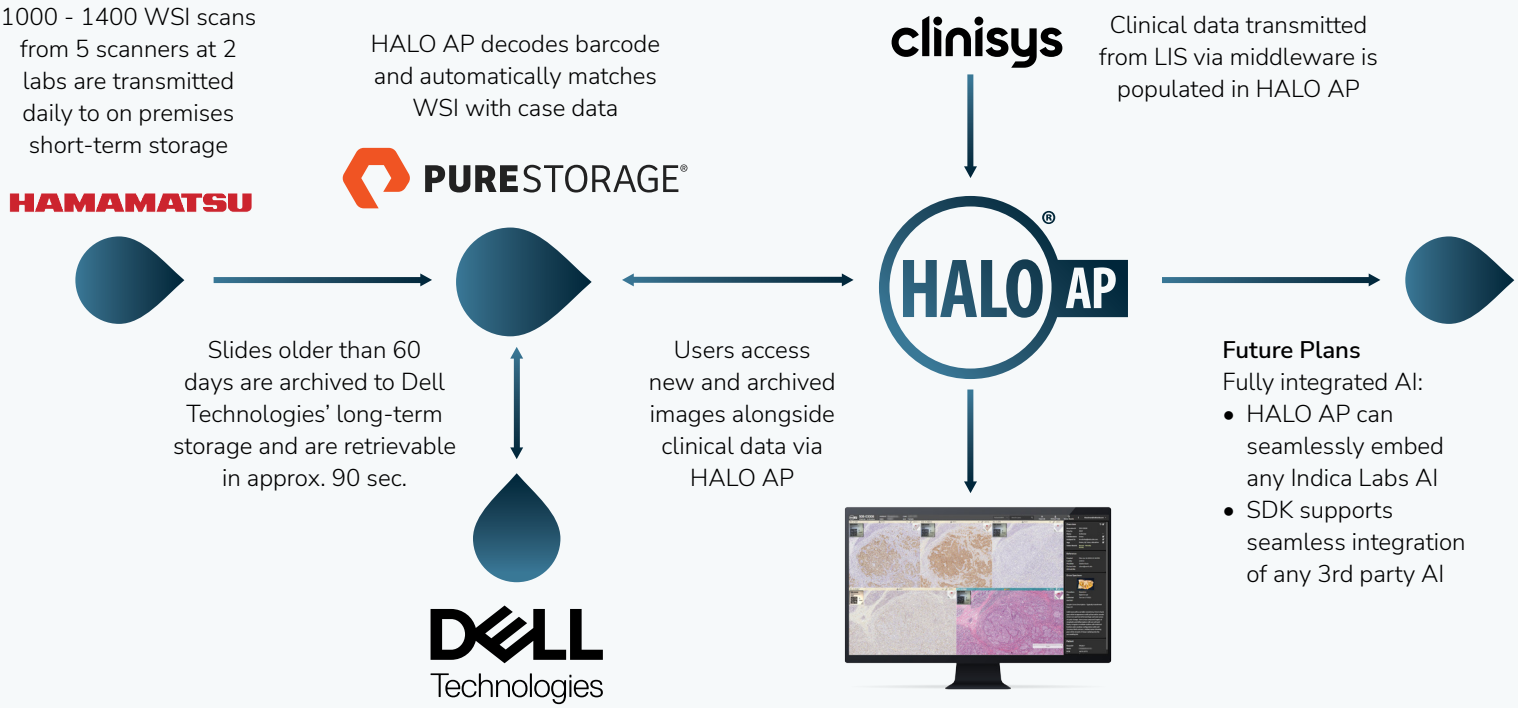
Benefits of Digitization at NUH

- Shortened turnaround time on urgent cases
- Improved teaching and training opportunities for staff
- Improved staff morale and better communication on cases between the laboratory staff and pathologists
- Enables remote work and better work/life balance

Why HALO AP and Indica Labs?

- Scanner agnostic
- Excellent all-around functionality
- Intuitive user interface
- Flexible Application Programming Interface (API)
- Strong record of Indica Labs in AI and image analysis
- Excellent support teams

Digital Pathology Workflow at Nottingham University Hospitals NHS Trust



A high-level overview of the NUH workflow is shown. The main lab has two Hamamatsu NanoZoomer S360 scanners and one S60 scanner. The Immunohistochemistry Lab has an S360 scanner and an S60 scanner with immunofluorescence (IMF) capabilities. After sign-out, data is stored for 60 days before being moved to an archive where it is quickly (approx. 90 sec.) retrievable.

"Using HALO AP has made an enormous difference to the way I work. It is much easier to review complex cases and consult with colleagues. Frankly, if you took away my digital pathology system I'd probably retire, the reason being I can do things faster and more accurately than I can with glass."

Dr. David Clark, MD
Clinical Lead for Digital Pathology Implementation
Nottingham University Hospitals NHS Trust

*HALO AP® is CE-marked for in-vitro diagnostic use in Europe and the UK. HALO AP is For Research Use Only in the US and is not FDA cleared for clinical diagnostic use.

[1] https://www.nuh.nhs.uk/

READY TO LEARN MORE?

Contact us to schedule a HALO AP® demo or reach out with questions on HALO AP integrations.

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