



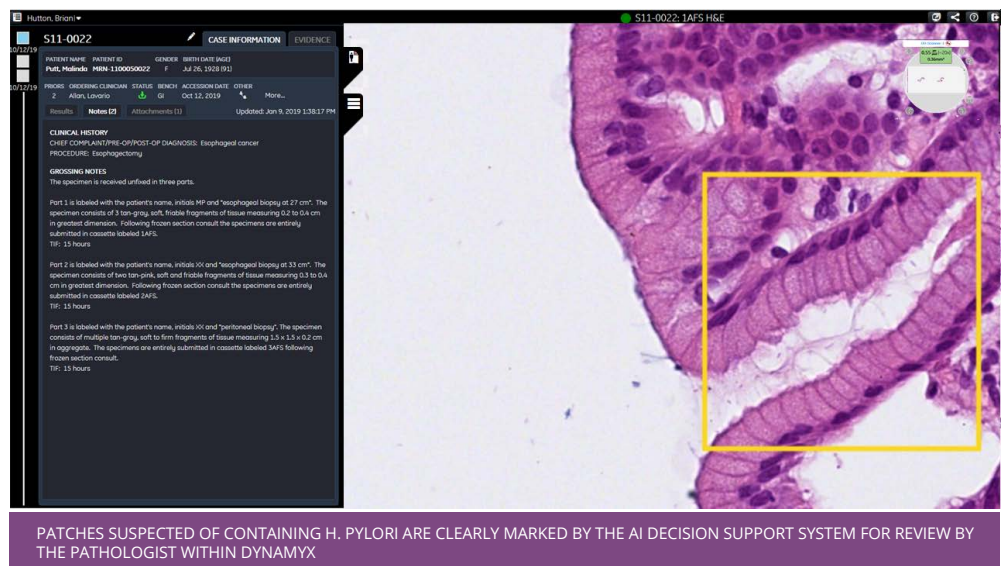
Inspirata Dynamyx™ – The ‘open’ digital pathology solution

Partner Spotlight: DeePathology.ai

Dynamyx™ from Inspirata affords an ‘open’ architecture purposely designed to enable healthcare providers to arrive at their preferred blend of laboratory and diagnostic technologies. This partner spotlight explores Inspirata’s technical partnership with DeePathology.ai and the seamless integration of their Helicobacter Pylori Decision Support System within Dynamyx™.

Inspirata and DeePathology

Inspirata and DeePathology customers can now avail a full solution for the routine diagnosis of H.Pylori (HP) via the utilisation of DeePathology’s proprietary HP Detector artificial intelligence (AI) Decision Support System within Dynamyx™.



Scanning and upload of gastric biopsy slides to Inspirata’s intelligent workflow software sees images automatically read by the DeePathology Decision Support System, and specific areas consistent with HP detected and ranked. The likely presence of HP is then flagged for the pathologist’s attention via a report made immediately available within Dynamyx with the aim of safely accelerating the diagnostic process and contributing to reporting accuracy.

About the H.Pylori AI Decision Support System

The detection of HP in H&E and Giemsa stained gastric biopsies are common and yet frequently time-consuming tasks. Furthermore, relevant bacteria can be missed. DeePathology set about addressing this challenge by developing a highly-innovative, AI-based automated software solution focused on gastric biopsies.

Using state of the art deep-learning and image analysis techniques, DeePathology's software quickly scans the entire gastric whole slide image and presents in just a few seconds the regions most likely to feature HP. This helps focus the pathologist's efforts on key areas of interest and empowers them to arrive at an informed decision much quicker and with higher levels of accuracy than typical analogue methods.

S11-0008 CASE INFORMATION EVIDENCE

PATIENT NAME PATIENT ID GENDER BIRTH DATE (AGE)
Faas, Max MRN-1100050008 M Mar 21, 1950 (69)

ORDERING CLINICIAN STATUS BENCH ACCESSION DATE OTHER
Lymon, Serena GI Nov 9, 2019 More...

Results Notes (2) Attachments (5) Updated: Sep 4, 2019 3:08:31 PM

File	Description	Created By	Information System	Date
S11-0008_Requisition.pdf	Order Requisition	Lim, Larry	Omnyx	Aug 4, 2011 4:57:28 PM
H.pylori ROI1.png		Hutton, Brian	Omnyx	Nov 9, 2019 11:48:53 AM
H.pylori ROI2.png		Hutton, Brian	Omnyx	Nov 9, 2019 11:49:00 AM
H.pylori ROI3.png		Hutton, Brian	Omnyx	Nov 9, 2019 11:49:05 AM
H.pylori ROI4.png		Hutton, Brian	Omnyx	Nov 9, 2019 11:49:10 AM

PATCHES SUSPECTED OF CONTAINING H. PYLORI ARE CLEARLY MARKED BY THE AI DECISION SUPPORT SYSTEM FOR REVIEW BY THE PATHOLOGIST.

About DeePathology

DeePathology offers the DeePathology Studio™ - a revolutionary Do It Yourself platform that enables pathologists and researchers to develop AI-based solutions through the provision of cell and objects detection and classification and region segmentation functionality. DeePathology also offers customised AI solutions for digital pathology specifically, leveraging our expertise and experience of deep-learning and pathology.

In order to accommodate the nuanced requirements of each and every customer, Inspirata is committed to an 'open' and integrated digital pathology model in which it will work with all relevant providers touching the digital pathology workflow. To learn of Inspirata's other technical partnerships or to explore how your organisation might also become an approved Inspirata digital pathology partner, contact partners@inspirata.com

DeePathology Studio™ is for research use only.

Dynamyx is CE-marked per Annex III of Directive 98/79/EC on in vitro diagnostic medical devices