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Roche launches uPath enterprise software for digital pathology

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Personalized workflow software allows pathologists to move seamlessly between a variety of stains in a single view, which is not possible with a standard microscope



Roche has announced the launch of its innovative uPath enterprise software for digital pathology. Offering a new standard of personalization for pathology workflows, the uPath enterprise software improves on the previous version, known as VENTANA Virtuoso. uPath software enhances the user experience by drastically decreasing image rendering times, integrating automated image analysis and improving efficiency by enabling an improved workflow for sharing cases between pathologists.

To aid in the development of uPath software, Roche acquired the Leeds Virtual Microscope (LVM) technology from the University Of Leeds, U.K., and the Leeds Teaching Hospitals NHS Trust, U.K. With this technology, pathologists can diagnose a patient case more quickly by viewing all slides in a case in a single seamless view, as well as viewing all available patient information simultaneously.

Multiple slides appear on a canvas-like display, enabling pathologists to move seamlessly between hematoxylin and eosin (H&E), immunohistochemistry (IHC) and special stains in a single view, which is not possible with a standard microscope. The LVM technology operates on displays that range from laptops to ultra-high definition Powerwalls, to transform pathologists' ability to diagnose disease.

The uPath software offers pathologists, histotechnicians, and administrators a universal platform to manage all aspects of the pathology workflow through diagnosis. With the customization offered through uPath software's highly configurable interface and scalability, requesting second opinions and sharing cases take a fraction of the time that has traditionally been required, with no geographical limitations as compared to glass slides.