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Title	Philips Digital Pathology
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Aim	<p>I would like to introduce you our newest innovation, the digital Pathology system.</p> <p>Since we are already a world leader in imaging systems, radiology information systems (RIS), and picture archiving and communication systems (PACS), Philips has established the Digital Pathology venture to develop digital pathology solutions that are designed around the needs of pathologists, easy to use and fit seamlessly into existing workflows.</p> <p>By digitizing the images that pathologists normally view through a microscope, Philips' goal is to offer integrated solutions that help to enhance the operational efficiency and productivity of pathology departments as well as improving diagnostic confidence</p> <p>Personalized medicine will require a complete and quantitative picture of the patient's medical condition, and I am convinced that the digitization of pathology will contribute to this. But for digital solutions to fit in busy clinical histopathology labs, the availability of fast scanners and reliable, effective image management systems are keys.</p>
Materials & Methods	<p>It provides you with a complete digital pathology solution that helps to increase efficiency and speed workflows.</p> <p>All slides are scanned at high resolution, providing visibility to cellular detail. The Philips Ultra Fast Scanner RA uses multi-sensor technology and parallel processing, allowing a single slide to be scanned in 60 seconds at 40x equivalent for 15mm x 15mm scan area.</p> <p>Philips UFS RA</p> <ol style="list-style-type: none"> 1. High throughput – fully automated slide scanning at up to 60 slides per hour (480 slides in an 8-hour shift) 2. 2-step 'Load & Scan' operation – load slides, close the lid and scanning starts automatically, saving time and simplifying technician training 3. No manual focal-point calibration required – eliminating extra steps, saving valuable time 4. Integrated LCD touch-screen – intuitive user interface allows stand-alone operation – no PC required 5. Batch and Random Access modes – allowing new slides to be loaded without interrupting the scanning process
Result	<p>With Philips Digital Pathology Solutions you don't have to trade image quality for throughput.</p> <p>Philips' patented Continuous Auto-Focus technology and high resolution (0.25 µm/pixel)</p>

	<p>multi-sensor line-scan camera capture exceptional image detail. It's a unique combination of accurate focus and high resolution that delivers superior performance for high volume laboratories.</p> <p>Philips Digital Pathology's Image Management System RA (IMS RA) adds scalable data management capabilities, allowing you to process, store and share images across your entire enterprise. Philips' proprietary iSyntax rendering technology, which has already proved its value in Philips' PACS (Picture Archiving and Communication System) solutions, allows you to navigate the images with amazing speed and precision. The IMS RA also provides a platform for integrating advanced Image Analysis Applications RA that are capable of quantifying what you see, which can bring greater objectivity to decision-making and improved statistical quality to large-scale studies.</p> <p>Philips IMS Viewer</p> <ol style="list-style-type: none"> 1. Intuitive task-oriented workflow management – simplifies ease of use and training 2. Laboratory Information System (LIS) connectivity – provides integrated access to data 3. Philips proprietary iSyntax rendering technology – enables rapid streaming and image navigation 4. Customizable user preferences – viewing preference to suite your personal workflow needs 5. Image Analysis Applications RA – advanced imaging tools for feature recognition and quantitative analysis
<p>Conclusion</p>	<p>Potential benefits obtained by digizing slides</p> <ol style="list-style-type: none"> 1. Case distribution and workload balancing 2. Turn-around time 3. Reduced courier costs 4. Research, education and collaboration 5. Access to digitally stored archives 6. Image analysis tools available