Digital pathology imaging offers more benefits than glass slides and microscopes


Published in:
British Medical Journal

Document Version:
Early version, also known as pre-print

Queen's University Belfast - Research Portal:
Link to publication record in Queen's University Belfast Research Portal

Publisher rights
Copyright 2016 The Authors

General rights
Copyright for the publications made accessible via the Queen's University Belfast Research Portal is retained by the author(s) and / or other copyright owners and it is a condition of accessing these publications that users recognise and abide by the legal requirements associated with these rights.

Take down policy
The Research Portal is Queen's institutional repository that provides access to Queen's research output. Every effort has been made to ensure that content in the Research Portal does not infringe any person’s rights, or applicable UK laws. If you discover content in the Research Portal that you believe breaches copyright or violates any law, please contact openaccess@qub.ac.uk.
Dear Editor,

This study involved the assessment of glass slides. The potential benefits of digital pathology images were briefly mentioned in this article. We would like to make two points regarding digital pathology.

1. Internationally, there is a gradual acceptance among histopathologists that glass slides and microscopes will eventually be replaced by digital pathology images (like modern radiology) and this will greatly facilitate the ease of provision of an external second opinion (1,2).

2. In current routine practice with traditional microscopes and glass slides, pathologists who work in small laboratories are usually described as “general pathologists”. They report a very broad range of cases, but a relatively small volume of each and subspecialisation is limited to larger academic institutions. The implementation of digital pathology within a regional network of large academic laboratories and smaller district general hospital laboratories allows workload to be distributed differently and allows full subspecialisation irrespective of the size of the laboratory.

Dr Joseph P Houghton
Dr Carol P Wilson
Mr Michael J Dolaghan

Centre for Medical Education, Queen’s University Belfast

1. Gamechangers. On the cusp of a digital pathology revolution
Mr MJ Dolaghan, Dr JP Houghton, and Dr CP Wilson

2. Implementation of large-scale routine diagnostics using whole slide imaging in Sweden: Digital pathology experiences 2006-2013
Thorstenson S, Molin J, Lundström C
J Pathol Inform 2014, 5:14