

Virtual slides versus binocular microscope use. An orthoptic evaluation of visual strain.

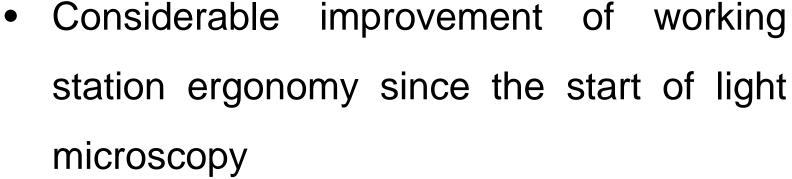
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Material and methods, results

- 13 pathologists from Toulouse University pathology department
- Orthoptic interrogation and examination before and after a day of work on virtual slides and microscope
- After microscope use vs virtual slides
 - Less fonctional signs (15,38% vs 61,53%)
 - Less near vision decompensation (63,6% vs 100%)
 - Depth perception modified (92,3% vs 0%)

What pathologists of the future need?



- To realize the transition from conventional microscope to virtual slides, it is necessary
 - to recreate the screen ergonomy
 - to find the optimal size of this screen



Science Museum, London, UK