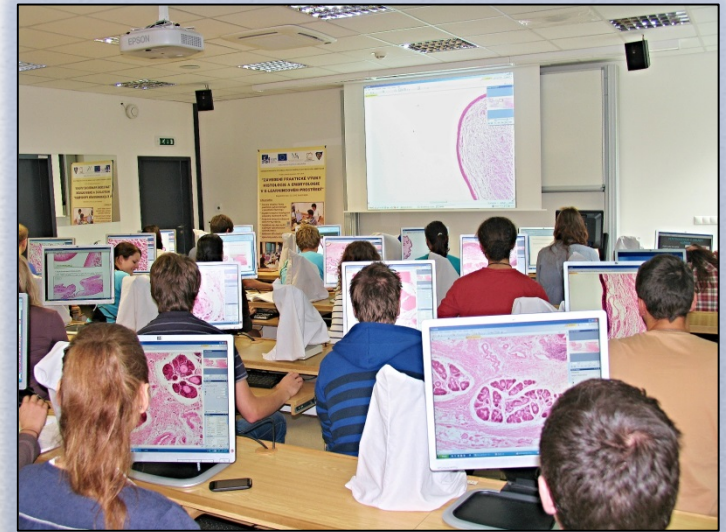


Evaluation of classical and virtual slide teaching methods of practical histology

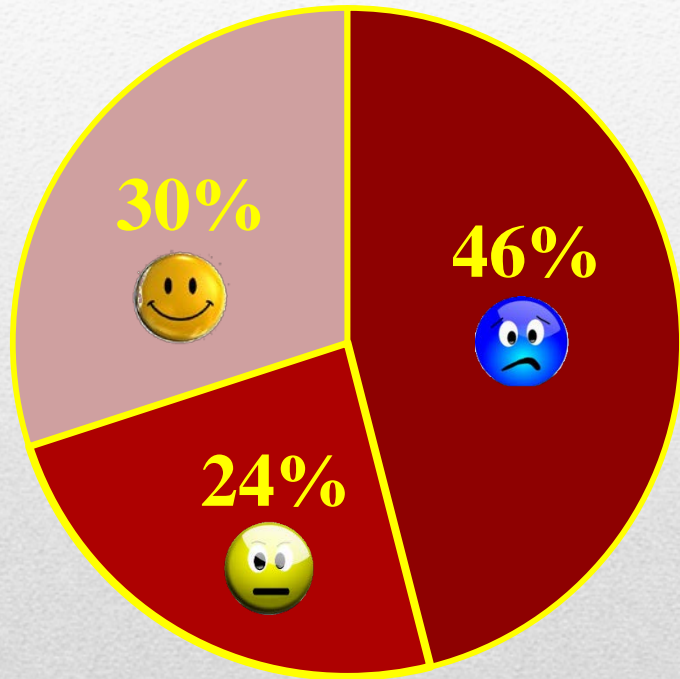
Dimitrolos Krajčí, Drahomíra Černochová, Radka Lichnovská, Běla Erdösová

Department of Histology and Embryology, Faculty of Medicine and Dentistry, Palacky University, Olomouc, Czech Republic

- ❑ E-learning format of practical histology with virtual slides was introduced three years ago.
- ❑ Classical glass slides were also available to study during histology e-practical sessions (2nd year students).
- ❑ Student's performance on classical glass slides observations used in pathology practicals (3rd year students) was followed up.
- ❑ Evaluation of both methods by medical students was surveyed.
- ❑ Benefits of computerized teaching methods of morphological subjects were stated by students.



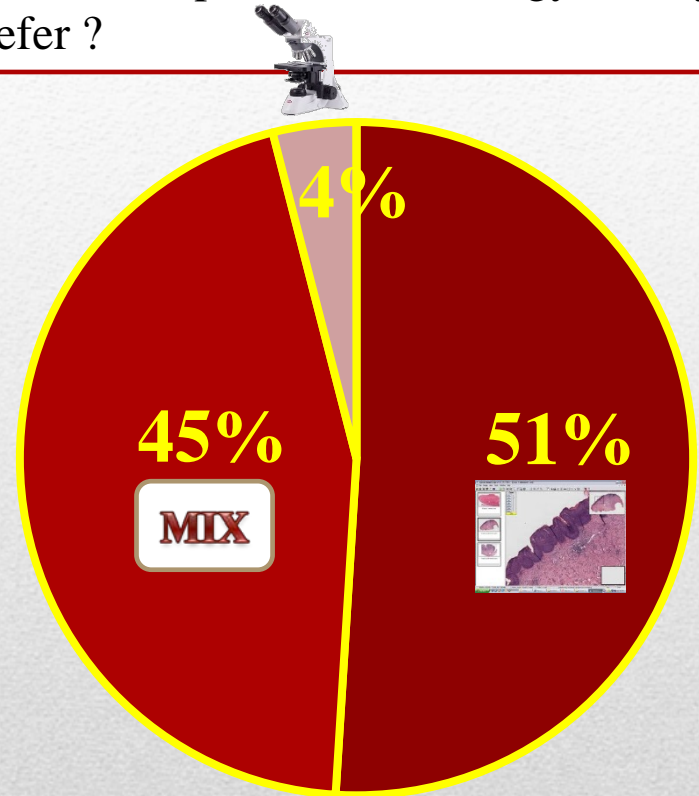
Question 1: Did you have any problem with changeover from virtual (histology course) to classical (histopathology course) light microscopy observations?



■ Yes
 ■ Sometimes
 ■ No

Problems with classical LM: Complicated setup of the LM – No labels, arrows and other indicators of important structures – Not all glass slides are identical – Eye strain

Question 2: After two years of microscopy experience, which teaching format of practical histology do you prefer?



■ Virtual microscopy
 ■ Both formats (approx. 1:1)
 ■ Classical microscopy

Advantages of virt. LM: Identical quality of slides – easy tutoring by teachers – self-recorded screen prints are good for revisions – remote access to web-loaded virtual slides