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Digital pathology – what to come in the future

There are 3 overall trends in pathology, that will have major influence on the specialty in the near future:

1. From Microscope to monitor (digital pathology)
2. From Morphology to molecule (next generation frequency, NGS)
3. From Manual to Machine (automatization of the laboratories)

This future will not only be a digitalization of our slides but the combination of digitalization with image analysis and artificial intelligence enabling us to:

1. Automated and objective quantification of immunohistochemical stainings.
2. Guided microscopy and even automated diagnosis on routinely stain slides (H&E slides).

The presentation will give some examples of these major trends in pathology and how these trends will be combined in a whole new future for pathology.