



## Pathology Biology Section – 2010

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### **G62 Swiss Virtobot (Virtual Autopsy) Documentation and Analysis: Work Flow and Procedure**

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The goal of this presentation is to discuss the 2009 report concerning "Medical Examiners and Coroners Systems: Current and Future Needs" of the "National Academy of Sciences", it is written, that modern imaging technologies (Virtual autopsy, Virtopsy, [www.virtopsy.com](http://www.virtopsy.com)) has a great potential to detect forensic relevant findings. In the lecture, based on the experiences obtained up until now, the possibilities and realization of a process-optimized forensic examination procedure, including the subsequent analysis process, are illustrated.

This presentation will impact the forensic science community by presenting an overview of the techniques of forensic imaging and virtual autopsy and the effect to forensics in future and in correlation with the 2009 National Academy of Sciences report concerning, "Medical Examiners and Coroners Systems: Current and Future Needs".

Over ten years ago, the Virtopsy Project with its systematic integration of various technologies and modalities, such as photogrammetric 3D surface scanning, computer tomography and magnetic resonance scanning as well as in the area of clinical and postmortem forensic medicine as well as postmortem biopsy and angiography and synthetic somatic modeling development, was perceived by professional circles as being revolutionary.

After a decade, these technologies at the University Forensic Institute Bern have been integrated as an evolutionary process development in daily forensic practice.

The almost completed documentation procedure in the postmortem area has also influenced future image-based documentation and analysis processes in clinical forensic medicine.

**Forensic Imaging, Virtual Autopsy, Virtopsy**