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Media release: Images

4D-Simulator breakthrough in brain surgery

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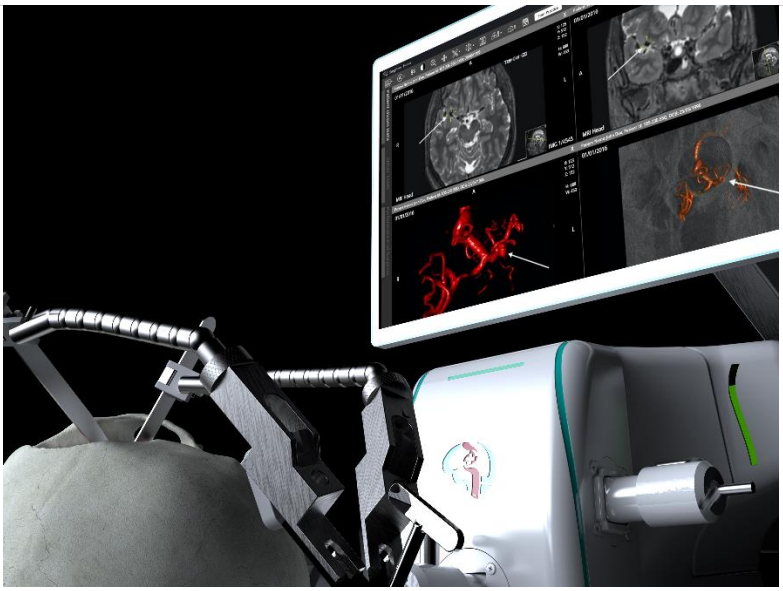
 *Fredrick Johnson Joseph (l), ARTORG Center, University of Bern and Dr. med. David Bervini (r), University Department of Neurosurgery, Inselspital, University Hospital Bern*	© ARTORG, Adrian Moser
 4D Simulator with patient-specific head model for training complex aneurysm treatment procedure	© SurgeonsLab, Fredrick J. Joseph



4D Simulator with patient-specific treatment training protocol on SurgView software

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Hollow Dynamic Patient-specific aneurysm pathology used in the 4D simulator for training aneurysm clipping procedure

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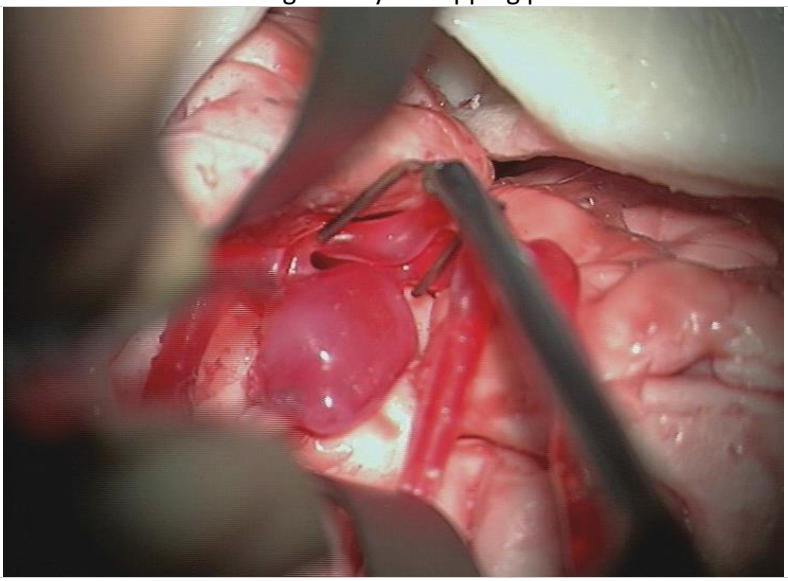

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Patient-specific aneurysm pathology used in the 4D simulator head model while training aneurysm clipping procedure	
 David Bervini, Neurosurgeon using the patient-specific 3D realistic anatomy during consultation hours. The Patient is being educated about the disease before Surgical treatment (Photo taken in January 2020)	© ARTORG center, A. Moser
 4D surgical simulator in the operation room for planning and training complex brain surgeries	© SurgeonsLab, Fredrick J. Joseph