

Title (en)
METHOD AND ARRANGEMENT FOR SIMULATING NEUROSURGICAL AND ORTHOPAEDIC SPINAL COLUMN AND CEREBRAL SURGERY

Title (de)
VERFAHREN UND ANORDNUNG ZUR SIMULATION NEUROCHIRURGISCHER UND ORTHOPÄDISCHER WIRBELSÄULEN- UND ZEREBRAL-CHIRURGIE

Title (fr)
PROCÉDÉ ET ENSEMBLE DE SIMULATION DE NEUROCHIRURGIE ET DE CHIRURGIE ORTHOPÉDIQUE DE LA COLONNE VERTÉBRALE ET DU CERVEAU

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Abstract (en)
[origin: WO2021160845A1] The invention relates to a method and an arrangement for simulating neurosurgical and orthopaedic spinal column and cerebral surgery, provided in which method are model structures which form anatomical structures and which are optically, haptically and functionally modelled on organs or organ parts to be surgically treated, by means of which model structures simulated surgical operations are carried out. The problem addressed by the invention is that of making surgery safer by further improving training, and therefore increasing patient safety. This is solved by the sensing of a parameter of the operation simulation, such as pressure, accuracy, tension, position and/or force, by a sensor and the parameter is assigned to and stored with the simulation event, which is outputted in a processed form on request.

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