

Title (en)

METHOD FOR GENERATING A GRAPHICAL 3D COMPUTER MODEL OF AT LEAST ONE ANATOMICAL STRUCTURE IN A SELECTABLE PRE-, INTRA-, OR POSTOPERATIVE STATUS

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES GRAPHISCHEN 3D COMPUTERMODELLS MINDESTENS EINER ANATOMISCHEN STRUKTUR IN EINEM WÄHLBAREN PRÄ-, INTRA- ODER POST-OPERATIVEN STATUS

Title (fr)

PROCÉDÉ DE CRÉATION D'UN MODÈLE INFORMATIQUE GRAPHIQUE EN 3D D'AU MOINS UNE STRUCTURE ANATOMIQUE DANS UN ÉTAT PRÉ-, INTRA- OU POSTOPÉRATOIRE SÉLECTIONNABLE

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Application

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Priority

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Abstract (en)

[origin: WO2014008613A1] The invention relates to a method for generating a graphical 3D computer model of anatomical structures in a selectable pre-, intra-, or postoperative status, having the following steps: A) receiving a preoperative first medical 3D image data set (10) of anatomical structures to be treated of a patient by means of a computer-assisted medical imaging method; B) generating a first graphical 3D computer model (1) of the anatomical structures to be treated in the form of a digital data set using the first medical 3D image data set (10) received in step A); C) receiving a second medical 2D or 3D image data set (20) of the anatomical structures to be treated in a pre-, intra-, or postoperative status by means of a computer-assisted medical imaging method; D) generating a second graphical 2D or 3D computer model (2) of the anatomical structures to be treated in the form of a digital data set using the second medical 2D or 3D image data set (20) received in step C); and E) carrying out an image registration process of the first graphical 3D computer model (1) using the second graphical 2D or 3D computer model (2).

IPC 8 full level

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Citation (search report)

See references of WO 2014008613A1

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