

Automatic correction of registration errors in surgical navigation systems

Surgical navigation systems are used widely among all fields of modern medicine including but not limited to ENT and maxillofacial surgery. Medical scans such as magnetic resonance (MR) and computed tomography (CT) are currently common diagnostic tools in surgical applications. Typically information contained in these medical scans is neither in the coordinate system of the patient as positioned in the world nor does it reflect the viewpoint of the surgeon during an operation. An algorithm is developed to overcome registration error challenges in surgeries.

