

Robotic device

- Design and Development of a Device (Sifilotto()) for Tumour Tracking in Cervical Cancer Patients Undergoing Robotic Arm LINAC Stereotactic Body Radiation Therapy Boost: Background to the STARBACS Study
- Design and Performance of a Neurosurgery Assisting Device
- Evaluation of the accuracy, efficiency and safety of Stereoelectroencephalography with robotic assisted electrode placement compared to traditional frame based stereotaxy
- Robot-assisted versus navigated spinal fusion surgery: a comparative multicenter study on transpedicular screw placement accuracy and patient outcomes
- Hybrid brain-computer interface using error-related potential and reinforcement learning
- Simulation and comparison of objectively graded microsurgery steps by using a microscope and Symani robotic system by young professionals
- Investigating the benefits of artificial neural networks over linear approaches to BMI decoding
- Robot-assisted deep brain stimulation with intraoperative CT imaging and frameless registration module: a new gold-standard?

see [Robotics](#)

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Last update: **2024/09/17 19:10**

