

Navigation-Guided Craniotomy: Enhancing Precision and Safety in Neurosurgery



Navigation-guided craniotomy is an advanced neurosurgical technique that utilizes real-time image guidance for precise skull and brain procedures. By integrating preoperative imaging with intraoperative navigation, surgeons can accurately map cranial anatomy, minimizing risks and preserving critical structures. This technology improves precision in tumor resections, trauma surgeries, and vascular interventions, leading to better patient outcomes and faster recovery. With enhanced accuracy and reduced complications, [navigation-guided craniotomy](#) represents a significant advancement in modern neurosurgical practices, ensuring safer and more effective procedures.