Lesion-tailored approaches in spinal surgery

Different approaches for the resection of spinal intradural tumors are used including laminectomy, laminoplasty, hemilaminectomy, etc. In order to reduce spinal surgical trauma and simultaneously achieve complete resection of the lesion with decompression of neural structures we perform minimal invasive lesion-tailored approaches. In this presentation we demonstrate minimal invasive approaches at different spinal levels to various spinal lesions focusing primarily on intradural tumors. Accurate pre-operative planning and meticulous intra-operative microsurgical technique permits treatment of spinal lesions via least invasive surgical approaches. Lesion-tailored microsurgical approaches help to preserve spinal biomechanical integrity, permit complete resection of spinal tumorous lesions with restoration of neural function.

Biography

Hischam Bassiouni is an Associate Professor of Neurosurgery. He is the Director of two Neurosurgical Clinics at two major academic teaching hospitals, (Klinikum Amberg and Klinikum Weiden) in Bavaria, Germany. He is also the Member of German Neurosurgical Society, European Neurosurgical Society and German Skull Base Society. He had his Neurosurgical training at University Hospital Aachen and University Hospital Essen, Germany. His neurosurgical and scientific sub-specializations include neuro-oncology, neurovascular surgery, skull base surgery and neuro-pediatric surgery. He is the first author of 13 publications in high-ranked Neurosurgical journals and has authored several chapters in international neurosurgical reference books.

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