

# Vascular Dementia and Dementia &

# Neurological Disorders and Stroke

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### Minimal-Invasive Surgery in Spinal Lesions

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 preoperative planing and meticulous intraoperative 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.

#### Speaker Biography

Hisham Bassiouni is Director of Neurosurgical Departments of Klinikum St. Marien Amberg and Klinikum Weiden and Associate Professor of Department of Neurosurgery. He is the full member of German Neurosurgical Society (DGNC), European Neurosurgical society (EANS), German skull base society (DGSB). He completed his Neurosurgical training at University Hospital Aachen and University Hospital Essen, Germany. He is the first author of 13 publications in high-ranged neurosurgical journals and authored several chapters in international neurosurgical reference books. Also, the peer-reviewer for several international journals including Brain Research, Neurologia India, Journal of Neurology, Clinical Neurology & Neurosurgery, Neurosurgical Review, Surgical Neurology etc. His neurosurgical experience includes microsurgery on > 2000 brain tumors and > 800 intracranial vascular malformations with routine application of latest technology including neuronavigation, microscopic fluorescent techniques, intraoperative monitoring, neuroendoscopy etc.

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