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Strategy of petrous meningiomas surgery

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Subjects: Petrous Meningioma are benign lesions, their total surgical excision is the only method for complete cure, however, their excision are confronted by deep location and critical anatomical relation and exact site of origin from the petrous bone, this study was aimed to plan a surgical strategy based on site of attachment of the lesion in the petrous bone.

Methods: Twenty-Five were studied preoperatively by neuro-imaging especially magnetic resonance imaging (MRI) to classify the types of petrous meningiomas, all cases were studied operatively for the extent of the tumor removal, clinical status also, follows up with histo-pathological verification.

Results: Radical Surgical removal was achieved in sixteen patients (64%), subtotal removal in five cases (20%) and incomplete removal in another four cases (16 %).

Conclusion: Complete Surgical excision of the petrous meningioma can be planned preoperatively depending on exact site of attachment to the petrous bone. There were four different zones on surface of petrous bone on which, different type of surgical approach can be used to achieve a better result as regards the safety of the patient and the radicality of tumor excision.

Biography

Mohamed A. Fahmy Zeid completed Master of General Surgery in 1988 and pursued his fellowship in the department of Neurosurgery in 1994. He earned doctorate degree in Neurological surgery in 1994. He was the House officer in Ministry of Health Hospitals and Alexandria university Hospitals for one year from 1983 to 1984. He worked as physician in the Ministry of Health Hospitals from 1984 to 1987. He is Registrar of Neurosurgery in private hospital from 1987 to 1988. He is Assistant lecturer of Neurosurgical department of Alexandria university Hospitals from 1988 to 1994. He is chief consultant of Neurosurgery in Saqr Hospitals, UAE from 2000 to 2003. He visited to Neurological surgery department, Royal College of Medicine, London in 2001. He is working as Professor of Neurosurgery department at Alexandria University from 2010 to till date and he is the Founder & President of Brain & Skull Egyptian Society from Last October 2017.

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