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Innovated suction, irrigation and dissecting micro-neurosurgical forceps with separate double control for both functions separately

Objective: The operating surgeons usually using the dissection forceps while the assistants continuously keeping the surgical field relatively clean by irrigation and suction through suction tube and another one for irrigation which might lead to "Crowded" or busy traffic operative field by many instruments under magnification .

Methods: The our innovated forceps use the two limbs of the Forceps for two separate functions, One for irrigation, while the Other limb for suction by using a tube inside each of both, This tube end separately in the back of that forceps , However the two limbs tubes , one of them is attached to the disposable polyethylene channel tube to the finely graduated in power suction apparatus. While the other tube at the back end of that forceps is attached to the line of infusion control irrigation which could be control the speed of the flow of saline irrigation out to the field of surgery .So, we could control the power of both functions accurate and separately.

Result: We have already made the pro-type of that forceps which have been used for experimental surgery on animal & also, recently have been used on one of our patient, for that particular case a video-clip would be demonstrated..

Conclusions: So, The use of the single instrument "The Forceps" for dissection, irrigation and suction actually facilitate micro-surgical operation especially tumor capsule dissection and excision instead of three instrument working simultaneously in a limited filed of the microscope

Biography

Mohamed A Fahmy Zeid completed 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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