

International Conference on

Neuro Oncology and Rehabilitation

July 21-22, 2016 Brisbane, Australia

Cost effective intraoperative Mri for cranial and spinal cases using preexisting “c” shaped three sided open 0.2 tesla Mri

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Three side open 0.2 Tesla MRI system, if used for intraoperative guidance is highly affordable and overcomes the limitations of western setup of IMRI. This system is presented in this study which is highly affordable to patient and for the management tool of remote areas of a developing country like India. 36 patients were operated since 13th Nov. 2005 till date, of cerebral and spinal lesions. Brain tumors 22 cases (right frontal GBM=5 cases, left frontal convexity GBM=3 cases, right parietal anaplastic astrocytoma grade II=5 cases, left parietal GBM=5 cases, cerebellar astrocytoma=4 cases), VP Shunt placement in hydrocephalus case=1 case, Sacral spinal tumor=1 case, Spinal syringomyelia=1 case (for placement of shunt), spinal conus ependymoma=1 case, thoracic intramedullary tumor=10 cases. Postoperative MRI images were highly acceptable and also highly affordable to for patients.

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