

INTRATHECAL CHEMOTHERAPY (ITC)FOR CENTRAL NERVOUS SYSTEM TUMOURS

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Based on our local experience and research into intrathecal (IT) drug delivery for movement disorders (IT Baclofen), we are exploring further applications of IT in the treatment of CNS tumours. As the regional centre for Neurosurgery we are confronted with a steady number of CNS tumours requiring surgery and chemo-radiotherapy. We now have a limited series, 4 patients, with relapsed CNS tumours where we used a lumbar or ventricular access device to administer chemotherapy directly to the target area. This paper explores the science behind IT and offers an insight to IT Chemotherapy (ITC) as a potential treatment for the future.