Abstrak:

The central nervous system (CNS) neoplasm originates from the brain, spinal cord, meninges and metastatic tumors from elsewhere. The incidence of this tumor ranges from 10 to 17 per 100,000 people per year for intracranium tumor, and 1 to 2 per 100,000 people for intraspinal tumors, about half to three-quarters from the incidence is a primary tumor while the rest is a metastatic tumor. The location of CNS tumor is also associated with patient’s age. The majority of neoplasms (80-85%) in adults are located in the cerebral hemispheres above the tentorium (supratentorial), whereas 70% cases in children are located in the posterior fossa. According to age preferences, medulloblastoma occurs mostly in the first decade of life, astrocytoma anaplastic in hemisphere and glioblastoma were occured in middle age and older age respectively. The pathogenesis of majority CNS neoplasm is remain unclear, but several factors have been identified to explain this disease: genetics predisposition, radiation, immune suppression, even the chemical and virus infection. The primary CNS neoplasm has slight differences with other neoplasm, where the lesions in this neoplasm seems benign microscopically but actually this neoplasm is able to infiltrate and exhort to vital structure, and this condition will lead to death. Although the primary brain tumor is malignant microscopically, it rarely spreads to other organs, and this phenomenon is different to other neoplasms which occurs outside the CNS. The differences between benign and malignant lesion in CNS are less apparent than in other organs. With the knowledge of the macroscopic and microscopic morphology of CNS neoplasm, as well as the incidence, it is expected that the clinicians will be able to diagnose this disease easier and to provide appropriate management in order to achieve a better prognosis for patients.

Keyword:

Daftar Pustaka:

Dahiya, S. Novel BRAF alteration in a sporadic pilocytic astrocytoma http://www.hindawi.com/Journal/crim/at/ 2012 -
Kumar, V. Abbas, A.K. & Fausto, N Robbins & Cotran dasar patologi penyakit EGC 2010 Jakarta
Kumar, V. Cotran, R.S. & Robbins, S.L. Robbins buku ajar patologi EGC 2007 Jakarta
Lee, Y. Genomic landscape of meningiomas Brain Pathol. 2010 -