Histopathological Study and Categorisation of Brain Tumors

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ABSTRACT

World health organization (WHO) recently published its 4th edition of classification of tumors of central nervous system (2007). It is important to classify because each type has a specific outcome and the treatment differs. This study was aimed to have a brief overview regarding the different categories of brain tumors and their relative incidence. The study was inspired from the presence of a heavily loaded neurosurgery department at B.J.M.C and hence a good number of biopsies on daily basis. A Retrospective study of total 200 biopsies (routinely fixed in 10% neutral buffered formalin, processed and stained with hematoxylin and eosin) from August 2015 to June 2016 in Pathology department, B.J.M.C, Civil Hospital, Ahmedabad was done. Routine microscopy was done .It was found that that neuroepithelial tumors were the most common histological type followed by meningiomas and pituitary tumors. Majority of malignant intracranial tumors were WHO grade I and II.

Keywords: Brain, Cancer, Classification, Histopathology

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