



**INCIDENCE OF DIFFERENT TYPES OF BRAIN TUMOURS IN ADULT PATIENTS ATTENDING AT RIMS:HISTOPATHOLOGICAL STUDY OF BRAIN BIOPSIES:6 MONTH RETROSPECTIVE STUDY AT RIMS**

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**ABSTRACT**

The term "Brain Tumours" refers to a mixed group of neoplasms originating from intracranial tissues and the meninges .Malignant tumours of the brain are a rare occurrence accounting for approximately 2% of all cancers in adults. The greatest population of adult tumours are supratentorial, arising in the frontal, temporal & parietal lobes and the majority (80%) are gliomas which include astrocytomas, glioblastomas, oligodendroblastomas and unspecified gliomas.

**KEYWORDS :** Brain Tumour,Glioma,Astrocytoma,Medulloblastoma

**INTRODUCTION-**

The incidence of brain tumour rises with age from approximately 30 years old onwards in common with virtually all other adult cancers. There are two types of brain tumours: Primary and secondary i.e., metastatic tumours. Primary brain tumours are named by the type of brain tissue they start in. The most common type of primary brain tumour is a glioma .It starts in star shaped cells called astrocytes .In adults,an astrocytoma usually grows in the cerebrum. Here in our study we are considering the primary brain tumours.Gliomas,the most common group of primary brain tumours,include astrocytomas, oligodendrogliomas, and ependymomas.The two main categories of astrocytic tumors are the diffusely infiltrating astrocytomas (WHO Grade II to IV) and the more localized astrocytomas,the most common example of which is the pilocytic astrocytoma,WHO Grade I.

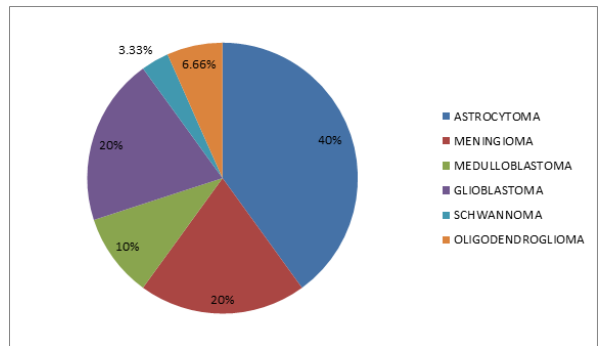
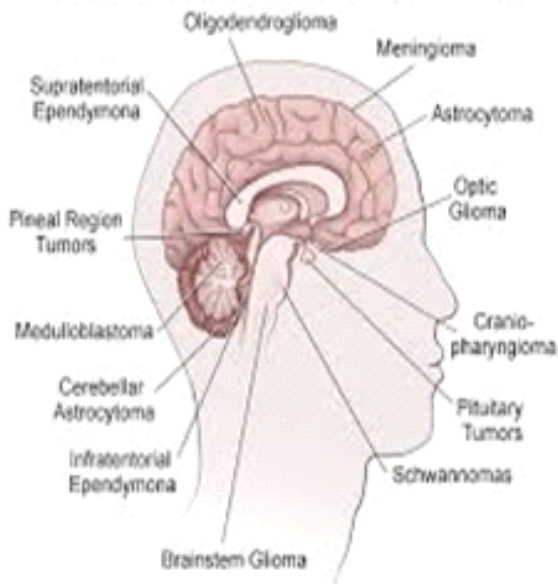
2020 to 31<sup>st</sup> July 2020.The study is based on histopathological evaluation of brain biopsies received during the 6 month of study period.

**RESULT-**

Total 30 cases were studied in 6 month of study period.All the adult patients were in the age group 25-60 years.The majority of the cases(40%) were of that of astrocytoma.The given table shows the number of patients with the type of brain tumour diagnosed.

| TYPES OF BRAIN TUMOUR | No. Of Patients |
|-----------------------|-----------------|
| ASTROCYTOMA           | 12              |
| MENINGIOMA            | 06              |
| MEDULLOBLASTOMA       | 03              |
| GLIOBLASTOMA          | 06              |
| SCHWANNOMA            | 01              |
| OLIGODENDROGLIOMA     | 02              |

**Location of Different Types of Brain Tumors**



**CONCLUSION:**

The above retrospective study shows that astrocytomas are the most common type of gliomas in adults.

**REFERENCES:**

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**AIM-**

To study incidence of different types of primary brain tumours in adult patients.

**METHOD OF STUDY-**

A retrospective study was designed to study the different types of brain tumours in biopsies sent for histopathological examination in department of Pathology RIMS from 1st Feb