## CNS TUMOR

## Classification of CNS tumors

(A) Tumors of neuroepithelial tissue:
(1) Glial tissue (Gliomas);
(a) Astrocytes (Astrocytoma)
(b) Oligodendrocytes (Oligodendrocytoma)
(c) Ependymocytes (Ependymoma)
(d) Mixed gliomas (oligoastrocytoma)
(2) Neurons (Gangliocytoma)
(3) Pinealocytes (Pineocytoma)
(4) Embryonal tumors (Medulloblastoma)
(5) Choroid plexus (choroid plexus papilloma)
(B) Tumors of Meninges (Meningiomas)
(C) Tumors of cranial and spinal nerves:
(1) Schwannoma (acoustic neuroma)
(2) Neurofibroma
(D) Germ cell tumors (Teratoma)
(E) Cysts and tumor-like lesions:
(1)Dermoid
(2) Epidermoid
(3) Colloid cyst
(F) Tumors of sellar

## region:

(1) Adenohypophyseal cells (Pituitary adenoma)
(2) Craniopharyngioma

## (G) Metastatic tumors

Brain MRI, T2 phase, shows Rt. temperooccipital hyper intense mass lesion (tumor) surrounded by hyper intense area (edema) with mild midline shift to the Lt. side


## Clinical Features

(1) For Brain tumors; there may be clinical Features of raised intracranial pressure and/or clinical features of brain herniation.
(2) Specific clinical Features according to tumor type and its location

## Imaging

The tumors by CT scan or MRI appear as mass lesions with or without surrounding edema, and in case of brain tumors; possibly associated with some degree of brain shift (herniation) and/or possibly complicated by hydrocephalus.

## Treatment

(A) Conservative: just observation and follow-up by periodic CT scan or MRI (like in low grade glioma in patient without neurological deficit).
(B) Surgery with or without radio or chemotherapy.
(C) Radiotherapy
(D) Chemotherapy

