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Case (1)

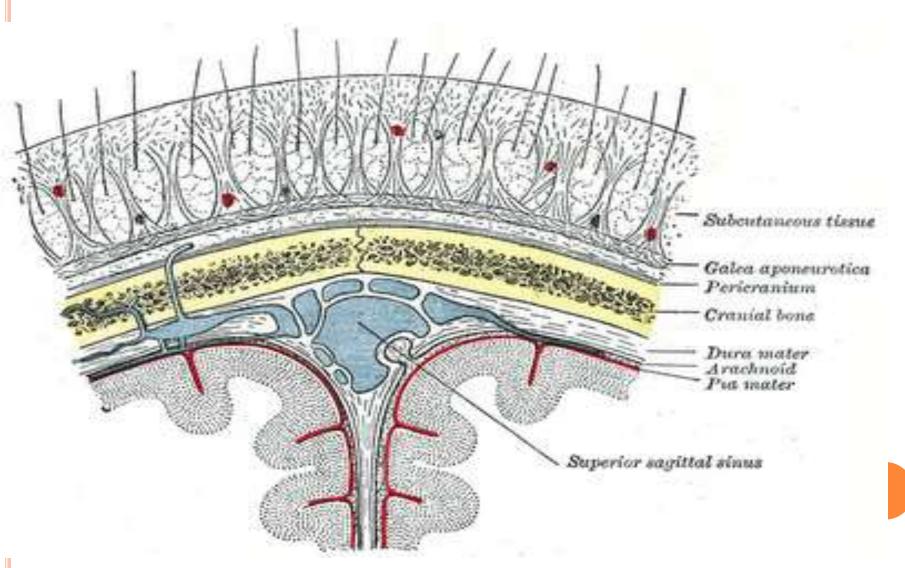
- A 27 year old female patient Complaining of HEADACHE
- .Duration
- .Progression
- .Nature
- .Aggravating factors & relieving factors
- .Associated symptoms

PATHOPHYSIOLOGY

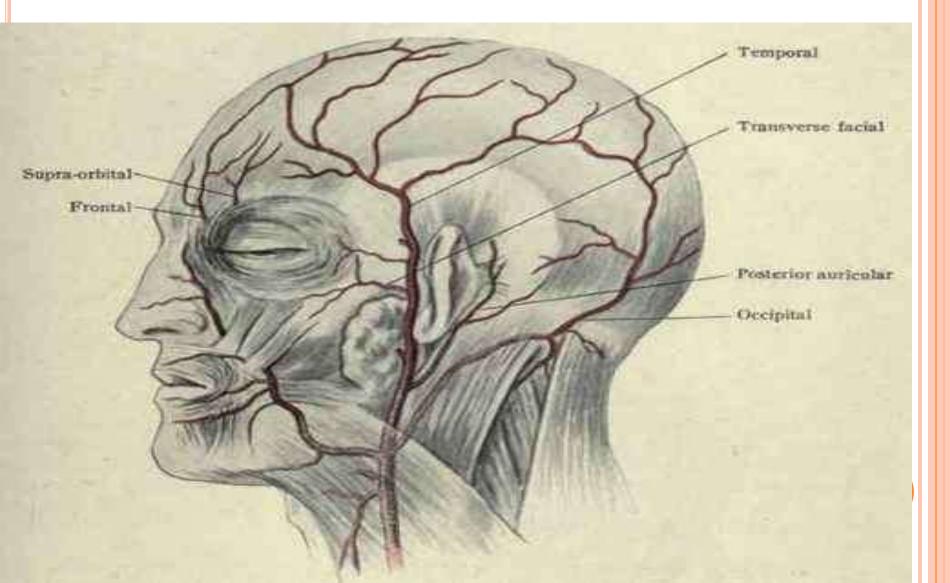
- Stretching of pain sensitive structures in the cranium or adjacent structures
- .Dura matter
- .Periosteum
- .Vessels

BRAIN TISSUE IS NOT SENSITIVE TO PAIN

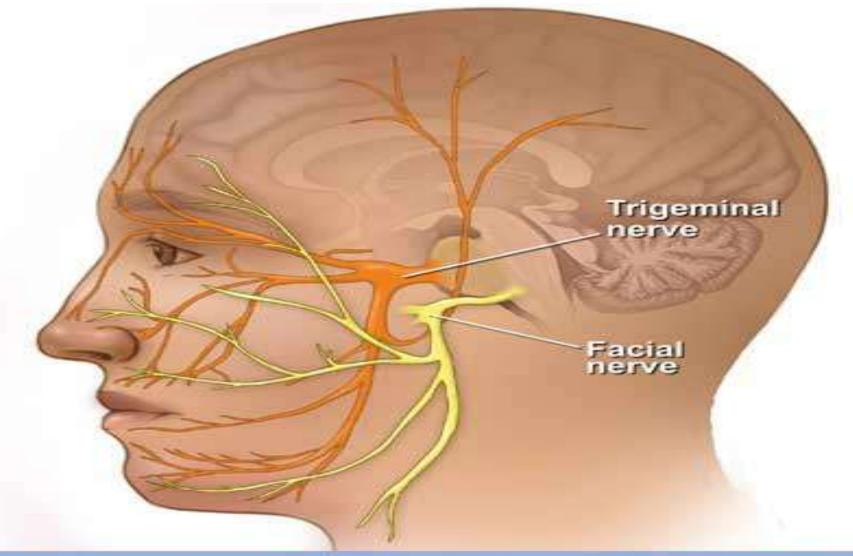
LAYERS.....



ARTERIES



FACIAL SENSATION



REMEMBER...

You look for diagnosis!!!!!
Diagnosis will lead to....

MANAGEMENT & PROGNOSIS

WHAT DO I NEED FOR DIAGNOSIS????

STEPS.....

.Knowledge

.Clinical history

.Clinical examination

.Investigation

.Diagnosis or Differential diagnosis

.Management

Type of Headache

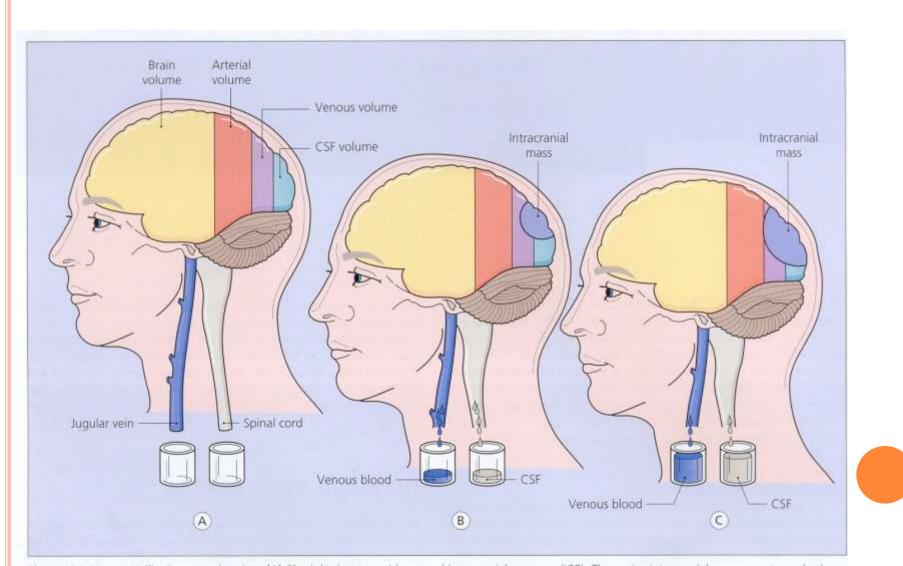
• Primary:

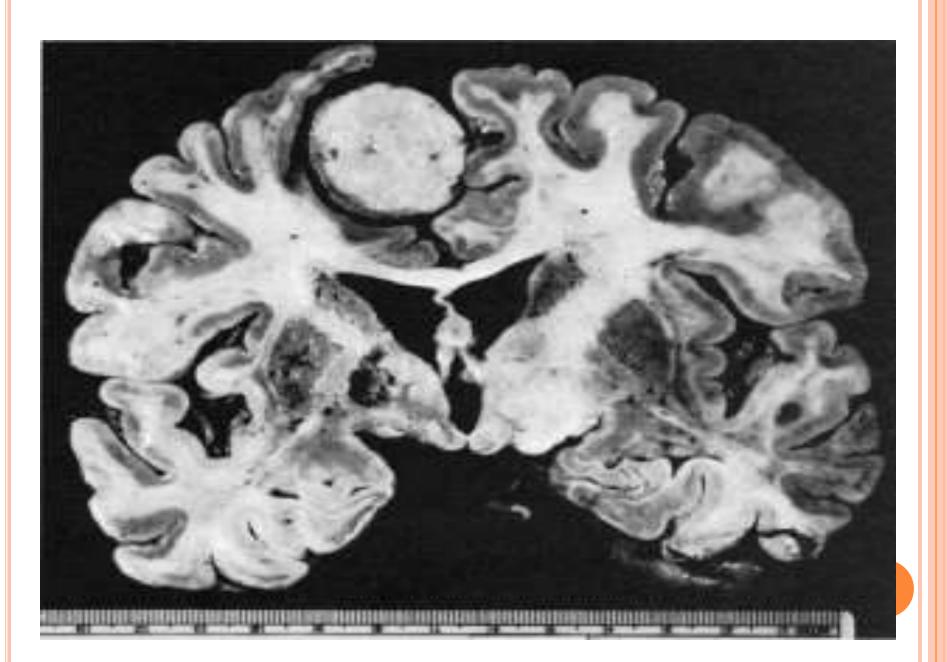
Migraine, Tension, Cluster

• Secondary:

Space occupying lesions, Infections, Vascular

Intracranial Pressure





STRETCHING PAIN SENSITIVE STRUCTURES

Treatment

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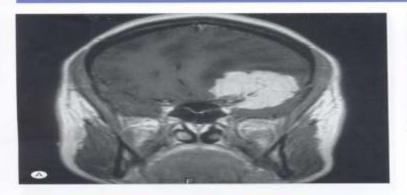




Figure 32.21 Coronal (A) and sagittal (B) MR images of a medial spherioid ridge.

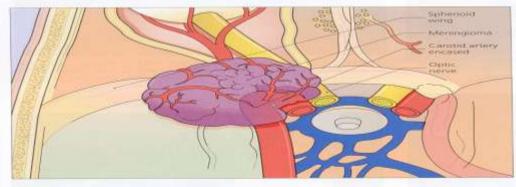


Figure 32.22 Encasement of the carotid artery by a medial sphenoid wing meningioma.

resiston to introcranial targets. Radiosurgery is frequently used for miningiomas, where "tumor control" has typically been defined as lack of significant further growth post-radiation or no post-radiation resection required. Radiosurgery can promote tumor regressism but does not eradicate meningioms. "Although indications for radiosurgery continue to evolve, it is considered in appropriately-sized meningioms that are inoperable, residual, and nonresectable, and in recurrent inoperable tumors. For benigh

be helpful in pulliating inoperable tumors, residual nonresectable tumors, and recurrent nonresectable tumors that are too extensive for radiosurgery.

Multiple medical regimens have been investigated in meningioma treatment. Anti-hormonal agents such as mifepristone (RU486) and tamoxifen have been used, however tumor sizes generally stabilized with few partial responses and no complete responses. The Studies with hydroxyures and interferon-a2B similarly suggest that these drugs may be used to stabilize tumor.

SPACE OCCUPYING LESIONS

Clinical presentation

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Figure 32.10 Local spread of a meningioma into adjacent skull base structures.

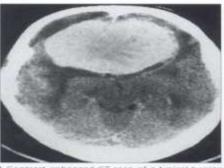
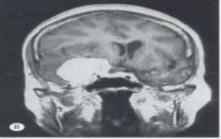


Figure 32.11 Contrast-enhanced CT scan of a typical benign meningioma.





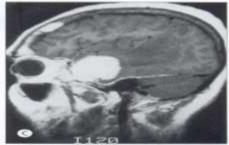


Figure 32.12 Gadolinium-enhanced MR image of a medial sphenoid wing meningioma in axial (A), coronal (B), and sagittal (C) planes.



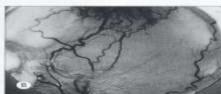


Figure 32,13 Magnetic resonance angiography can demonstrate arterial constriction or displacement as well as tumor vascularity, such as this dilated left middle meningeal artery (A). External carotid angiogram of a meningioma demonstrates a classical surdiums pattern (B)

CLINICAL HISTORY

- Age
- Pediatric, Young, Elderly
- Gender
- Male, Female
- Duration
- Acute, Chronic
- Relieving factors
- Analgesia, position, Rest
- Nature description, diffuse, localized

PHYSICAL EXAMINATION

- General Examination
 Rule out adjacent structure problem
- Neurological Examination
 Rule out focal neurological deficit
 Secondary causes

INVESTIGATION

Lab test

• Radiological(X-ray, CT, MRI, Angiogram)

Specific neurological Investigations

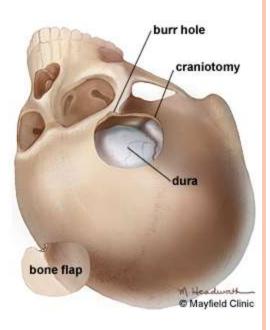
MANAGEMENT

- Primary Vs Secondary
- Treat underlying cause
- Treat by- Simple analgesia
 - -Life style modification
 - -Other level of analgesia or type specific medications

CHOICES.....







THANK YOU.....

