

DDX:

■ Invasive Pituitary Macroadenoma

- Originates in sella & involves pituitary gland
- Extends into sphenoid sinus, not prepontine cistern

■ Ectodermal Physaliphora

- Rare, benign notochord remnant lesion
- Nonenhancing, T2-hyperintense mass posterior to clivus

■ Chondrosarcoma

- Arises off midline at petrooccipital fissure
- Similar T1 & T2 characteristics to CCh
- Chondroid calcifications more common
- ADC values $2051 \pm 261 \times 10^{-6} \text{ mm}^2/\text{s}$, much higher than chordoma
- IDH1 mutations common but not seen in chordoma

■ Skull Base Plasmacytoma

- Can be midline destructive mass of clivus
- T2 signal usually intermediate to low

■ Skull Base Metastasis

- Destructive lesion; extraosseous component < CCh
- Known primary neoplasm

■ Skull Base Meningioma

- Sclerosis/hyperostosis of adjacent bone
- Homogeneous enhancement with dural tails
- Commonly causes narrowing of encased vessels

■ Chordoma

- CT findings
 - » Midline, expansile, multilobulated, well-circumscribed mass
 - » Lytic bone destruction with intratumoral Ca^{++}
- MR findings
 - » T1: Intermediate to low signal \approx brain
 - » T2: Classically $\uparrow \uparrow$ signal
 - » T1WI C+: Moderate to marked enhancement
 - » DWI: Mean ADC value $1474 \pm 117 \times 10^{-6} \text{ mm}^2/\text{s}$, generally less than chondrosarcoma