Muhle classification cervical canal stenosis

- Grade 0
 - Normal
- Grade 1 (mild)
 - Partial obliteration of the anterior or posterior Subarachnoid space
- Grade 2 (moderate)
 - Effacement of both ventral and dorsal CSF.
 - Some CSF remains
- Grade 3 (severe)
 - Complete effacement of CSF
 - Cervical cord compression or displacement

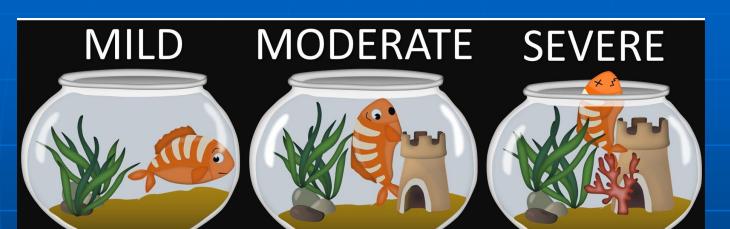
Muhle classification system

Excellent interobserver agreement

 Has been correlated with SSEPs and outcome

Muhle et al. AJNR 1998; 19:1763–1771 Ko et al. Eur Spine J. 2017 Sep;26(9):2290-2296. Joaquim et al. Neurospine. 2019 Sep; 16(3): 448–453.



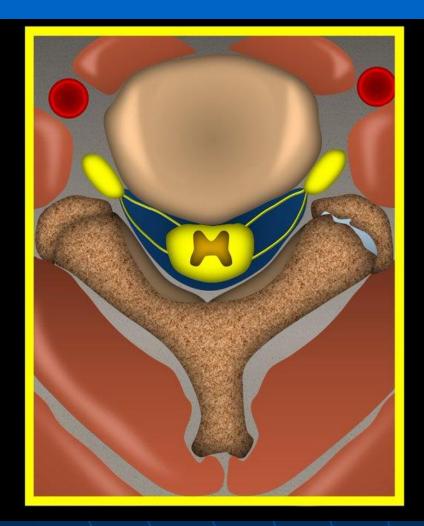


ONE SIDE of the bowl occupied but still has space on the other side

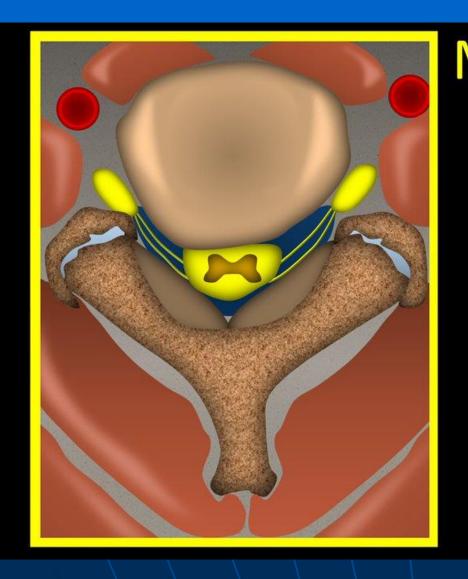
BOTH SIDES of the bowl occupied but still some water in the middle

Bowl TOTALLY FILLED, fish is toast

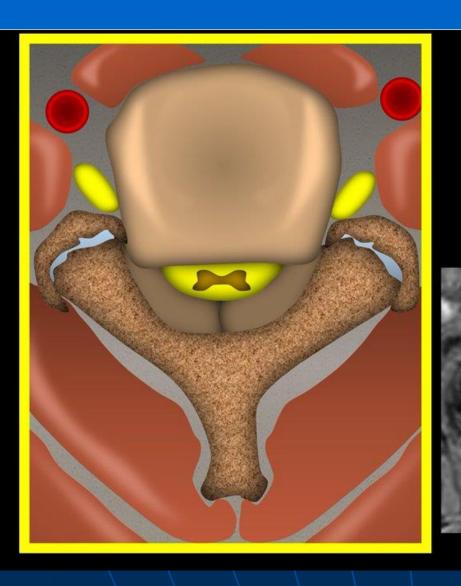








Moderate stenosis
Effacement of both
dorsal and ventral
CSF, but some CSF
remaining



Severe stenosis

Effacement of all CSF, cord compression

