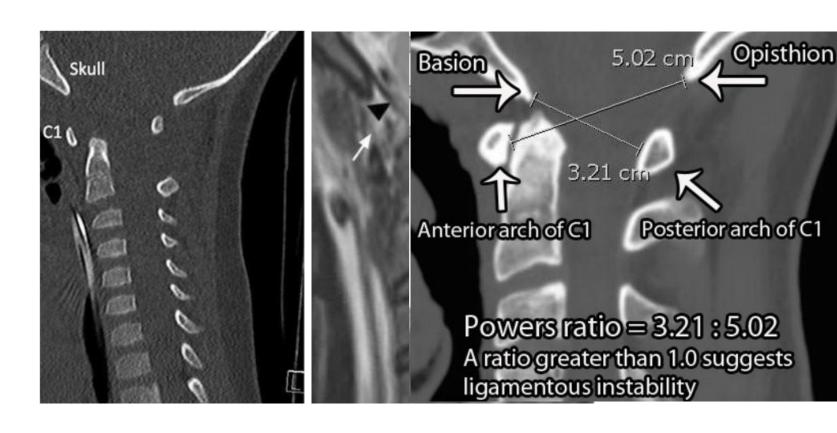
# Spine Case Review

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- 4 year old F
- No pmh
- Ejected from vehicle after an MVC
- C collar placed in the field and intubated for altered mental status
- Vitals:
  - HR 60, SBP 50/30 Vented

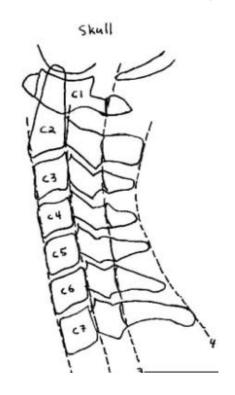
Neurological Examination - quadriplegia





- 10 year old F
- No pmh
- Involved in auto vs ped
- C collar placed in the field
- Vitals wnl

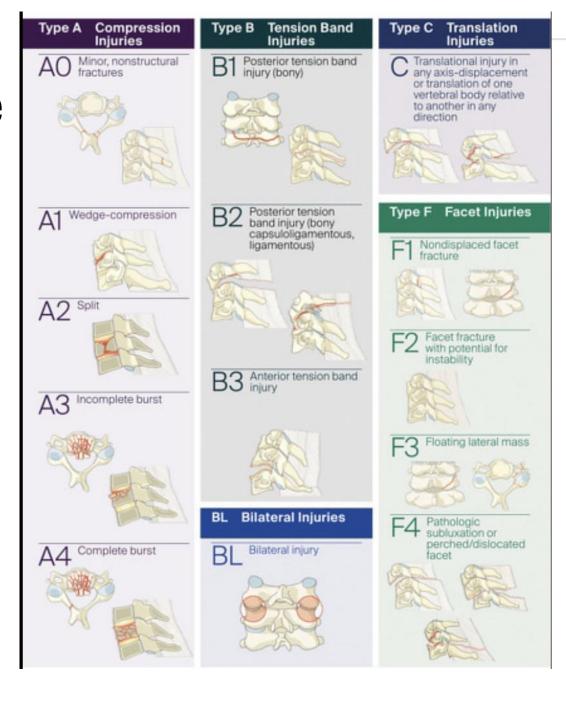
- Neurological examination:
  - Midline neck pain, + tingling in the right posterior arm into the forearm





VS.





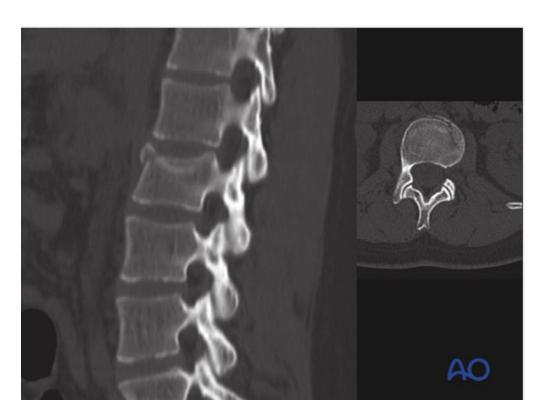
Subaxial Injury Classification (SLIC) and Severity Score				
Category	Parameter	Description	Points	
1	Injury morphology	Compression	1	
		Burst	2	
		Distraction	3	
		Rotation/translation	4	
2	DLC* integrity	Intact	0	
		Suspected disruption	1	
		Disruption	2	
3	Neurological status	Intact	0	
		Nerve root injury	1	
		Complete cord injury	2	
		Incomplete cord injury	3	
		Persistence cord injury	+1	

<sup>\*</sup> DLC = discoligamentous complex

<sup>&</sup>quot;Neuro modifier = continuous cord compression in the setting of a neurologic deficit

Total points	Management	
1-3	Non-surgical	
4	Surgical or non-surgical	
5-10	Surgical	

- 15 year old M
- No pmh
- Fell off a car while car surfing, no LOC
- Neurological exam: persistent LBP, otherwise had transient lower extremity weakness that has since resolved with persistent numbness.

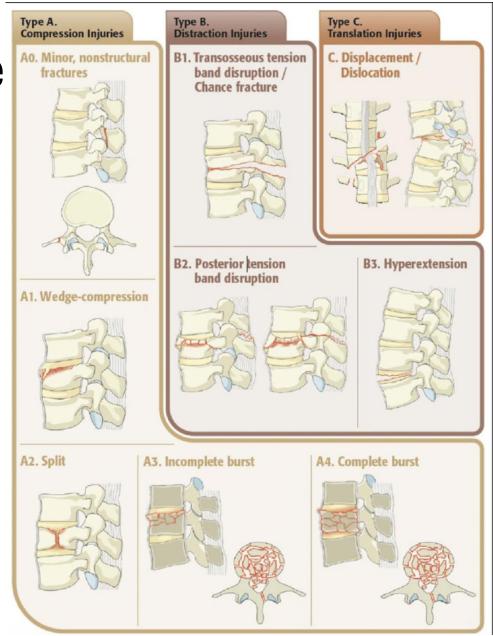


VS.



VS.





#### **TLICS** 3 independent predictors - Compression Morphology - Radiographs Burst 2 immediate - Translation/rotation - CT 3 stability - Distraction 4 Integrity of - Intact 0 PLC - Suspected - MRI 2 2 longterm - Injured 3 stability - Intact 0 - Nerve root Neurological Physical - Complete cord 3 2 status examination - Incomplete cord - Cauda equina 3 - nonsurgical 0 - 3- Need for surgeon's **Predicts** choice surgery surgical