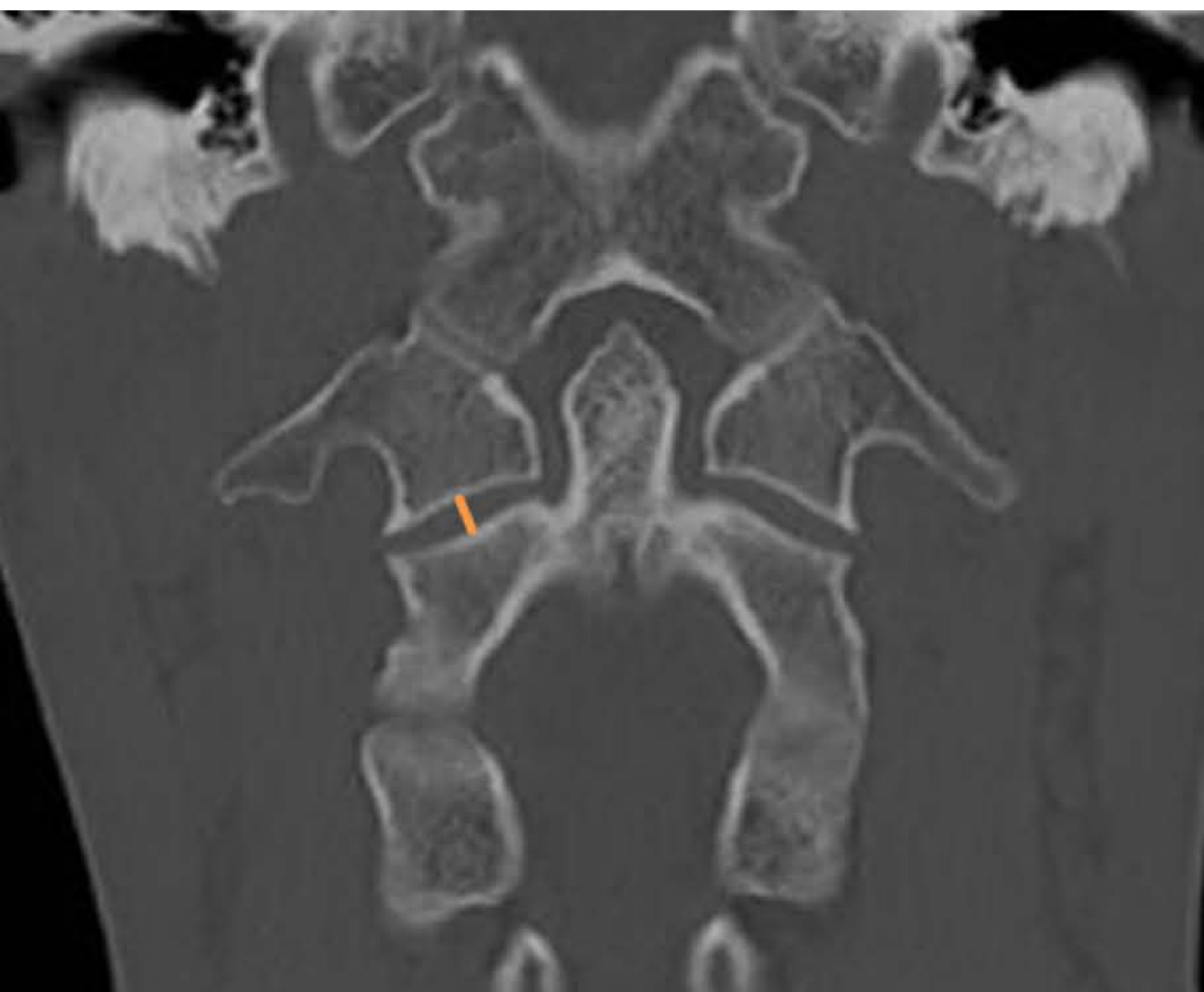
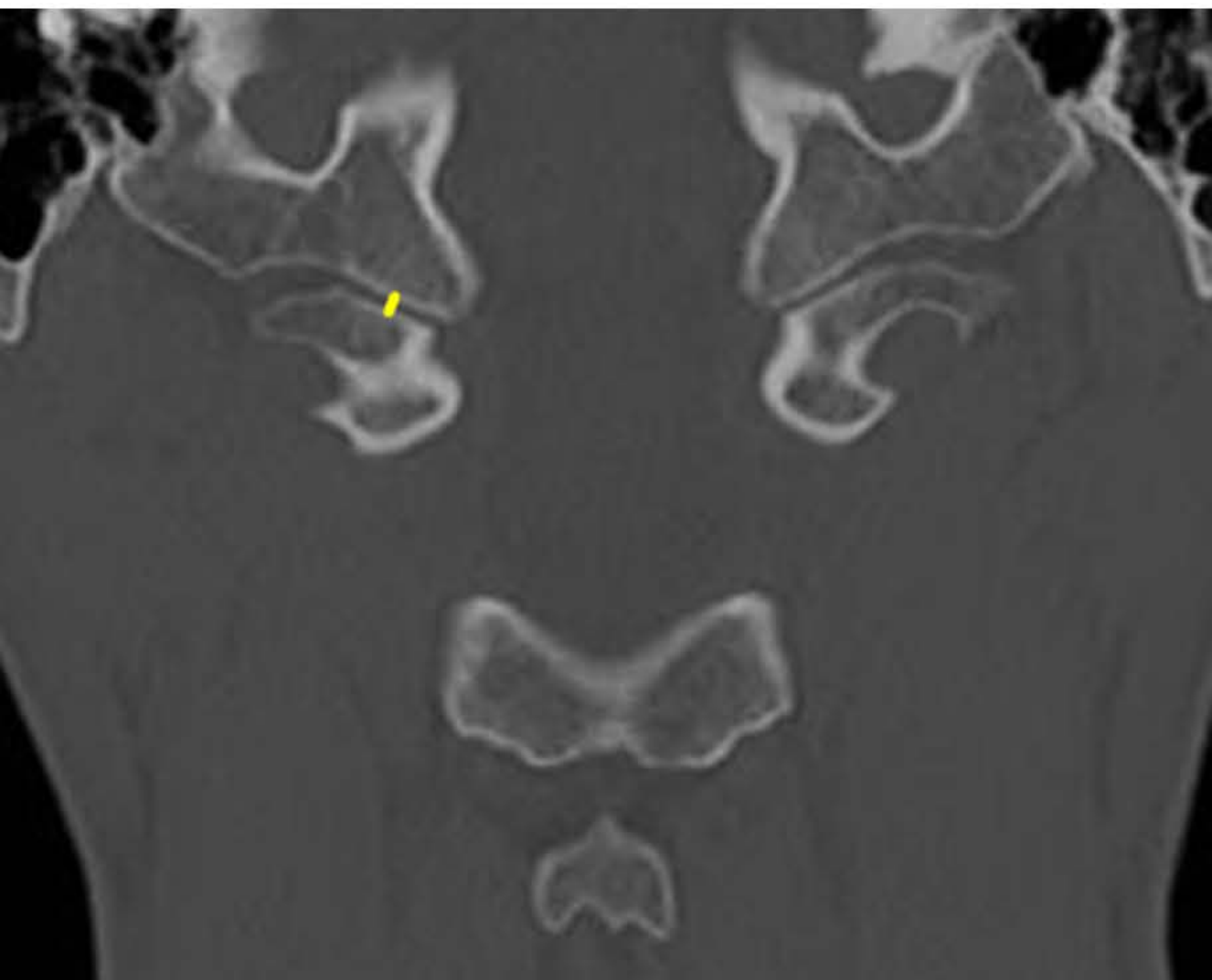
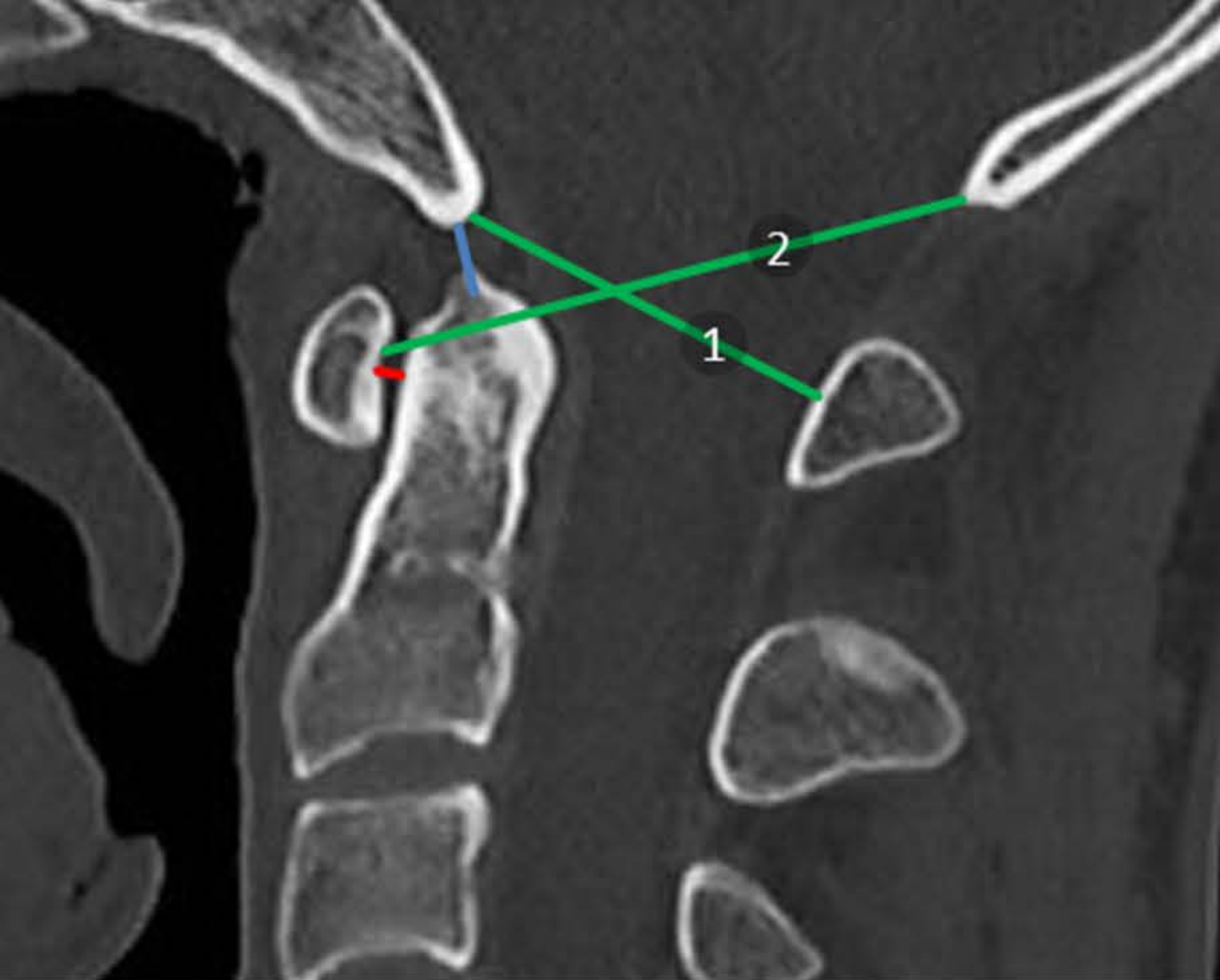




Normal adult value	Measurement	Normal peds value
< 2 mm	Atlantodental interval	< 4 mm
Ligaments injured: transverse ligament, atlanto-occipital and C1-C2 capsules, tectorial membrane, alar ligaments		
< 5 mm	Basion-to-dens interval	< 10 mm
Ligaments injured: alar ligaments, tectorial membrane		
< 1	Powers ratio	< 1
Ligaments injured: transverse ligament, atlanto-occipital joint capsules, tectorial membrane, alar ligament		
Powers ratio = $\frac{\text{Basion} - \text{posterior arch of C1 (1)}}{\text{Opisthion} - \text{anterior arch of C1 (2)}}$		
< 2 mm	Occipital condyle to C1	< 4 mm
Ligaments injured: atlanto-occipital joint capsules, alar ligaments, tectorial membrane		
< 2 mm	C1-C2 interval	< 4 mm
Ligaments injured: C1-C2 joint capsules, alar ligaments, tectorial membrane		
Reference: Radiographics. 2014 Nov-Dec;34(7):1842-65		

