



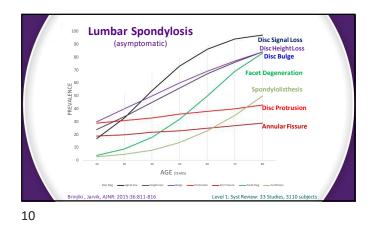
Disc Degeneration

- Disc Signal Loss
- Disc Height Loss
- Disc Bulge

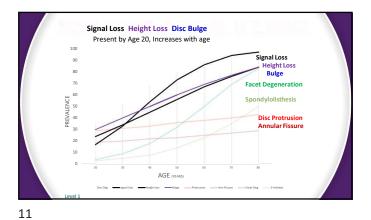


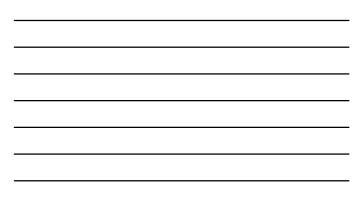
Prev	alence in As	Spondylo symptoma		
Age	Degen	Bulge	Protrusion	
20-29	37%	30%	30%	
30-39	50%	40%	30%	
40-49	70%	50%	35%	
50-59	80%	60%	40%	
> 60	90%	70%	40%	

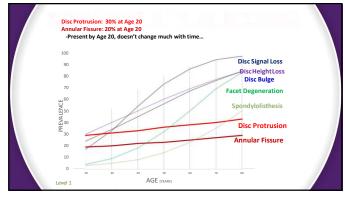




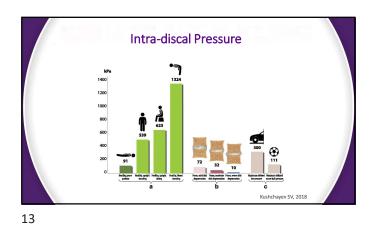




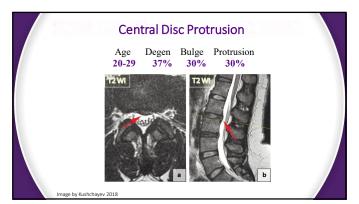


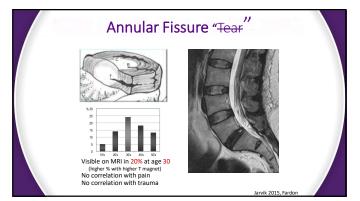


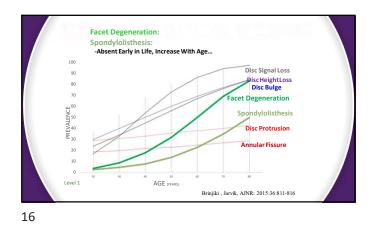




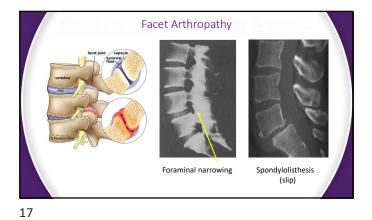


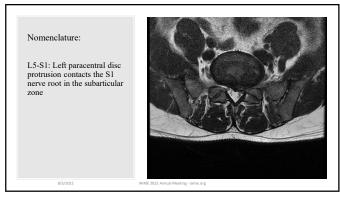


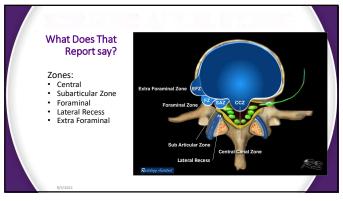






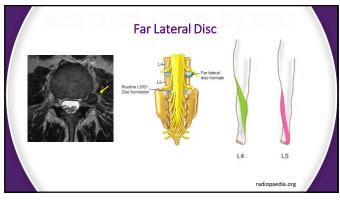




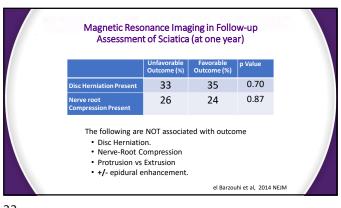






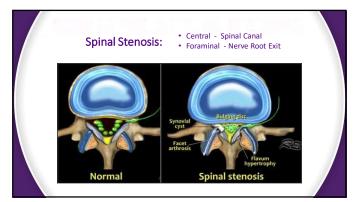


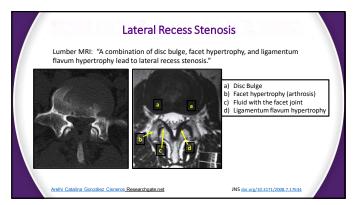








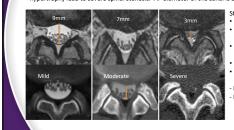








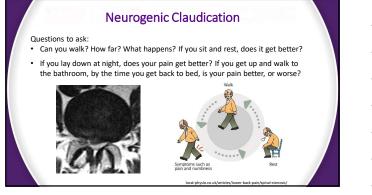
Lumbar MRI: "A combination of disc bulge, facet hypertrophy and ligamentum flavum hypertrophy lead to severe spinal stenosis. AP diameter of the canal is 3mm."

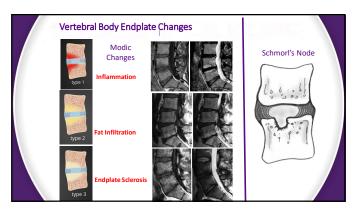


Stenosis due to: • Facet Hypertrophy • Ligamentum flavum hypertrophy • Disc bulge, protrusion, extrusion • Disc/osteophyte formation • Facet Cyst

- Report may not be clear AND - Easy to miss clinically

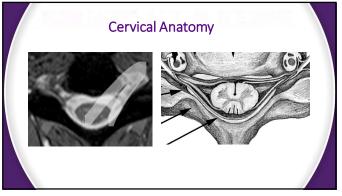
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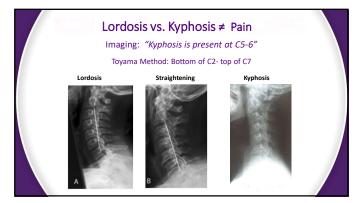


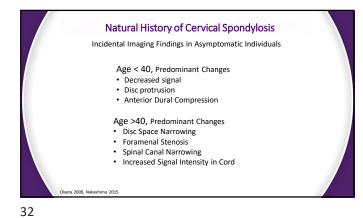


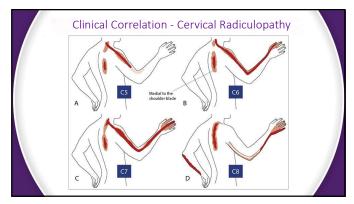


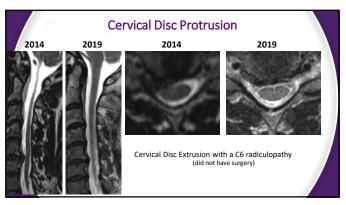


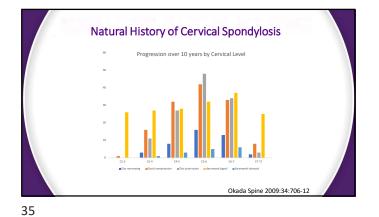




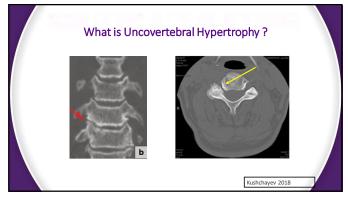




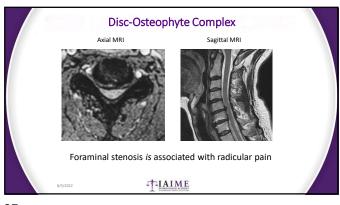




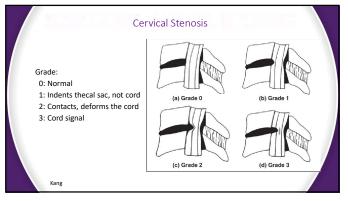


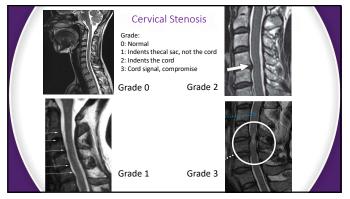


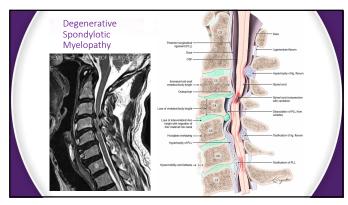




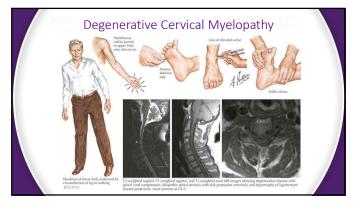


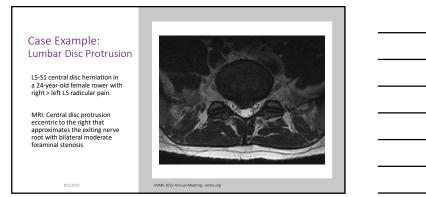


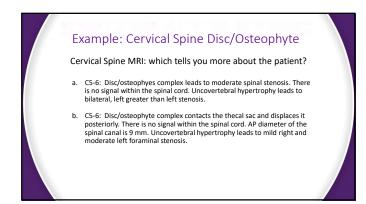


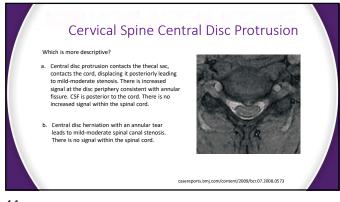


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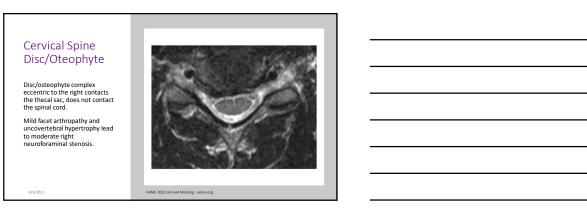


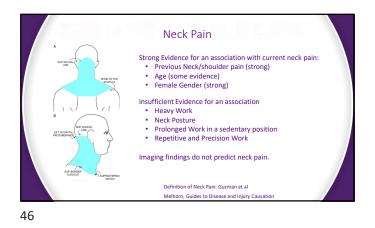


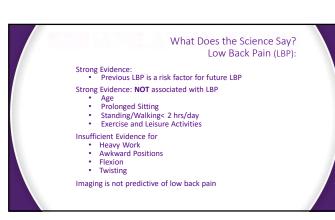


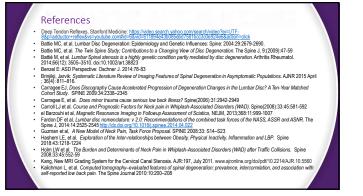












References

- References
 Sushchowalova I, Kerkovsky M, Kadanka Z, Kadanka Z, JK. Nemec M, Jarova B, Dusek L, Jarkovsky J, Bednark J, Prevalence and Inaging Characteristics of Normylespathic and Myelopathic Scivical Cord Compression. Spine (Phila Pa 1976). 2016 Dec 15:41(24):1939-1916. doi:10.007/BFS.000000001042 PMID: 27509189.
 Kabayus SV, Vanshch T, Jaramya M et al. ABCs of the degenerative spine. Insights Imaging 9, 253–274 (2018). Interlifeto and 10:1007/B13244-017-6584.
 Makaumolo M et al. Proceepacetive Ten Vear-Follow-up Study Comparing Patients With Whiplash-Associated Disorders and Asymptomatic Subjects Using Magnetic Resonance Imaging SPINE 2010.5:1064–1090.
 Makaumolo M et al. Alex careliated Changes of Intrancic and Cervical Intervertebral Bics: in Asymptomatic Subjects. Spin Busel Alexanov et al. Tance amage-related Unbarged on covical Intervertebral disc: Langes of Lang