

## Patients: "Maybe" and "Not Sure"

 General population: Negative view of LS (Puentedura, Louw and Landers 2012)

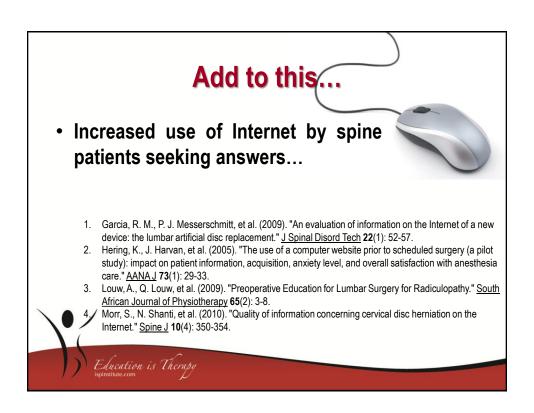


- **Preoperative expectations not met** (Toyone, Tanaka T, Kato D, Kaneyama R, Otsuka M. Patients' expectations and satisfaction in lumbar spine surgery. *Spine (Phila Pa 1976)*. Dec 1 2005;30(23):2689-2694.)
- Bad news travels
- · Even after surgery high levels of

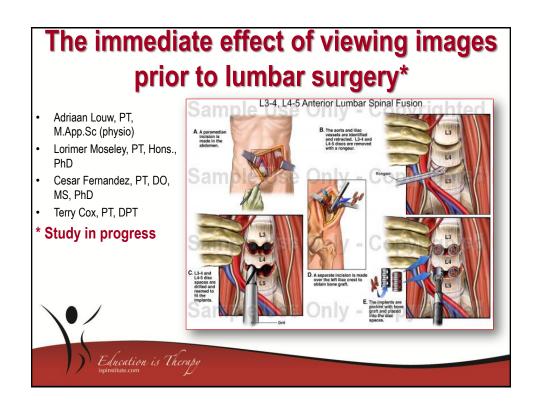
**Tear** Louw A, Louw Q, Crous LCC. Preoperative Education for Lumbar Surgery for Radiculopathy. *South African Journal of Physiotherapy*. July 2009 2009;65(2):3-8.

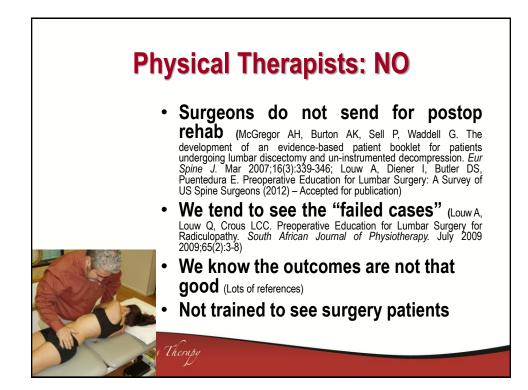
Internet

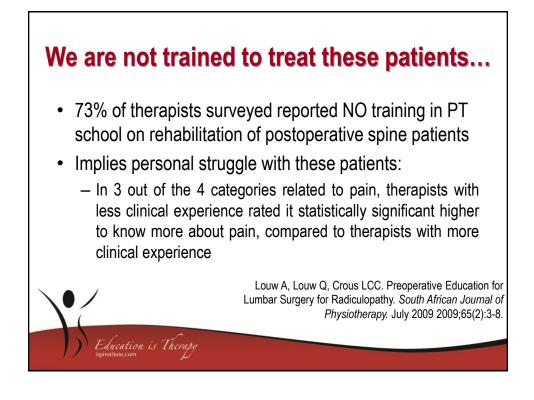
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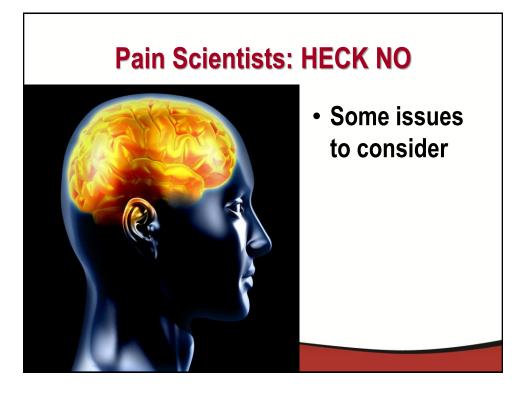




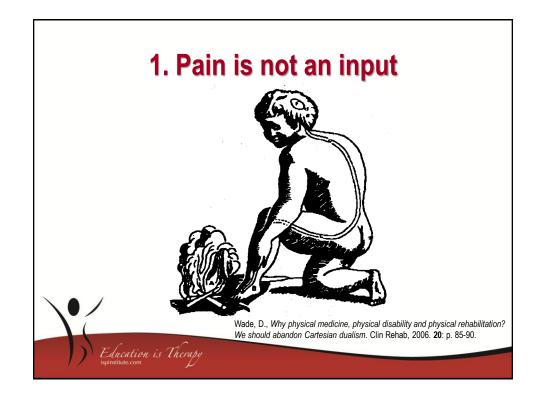


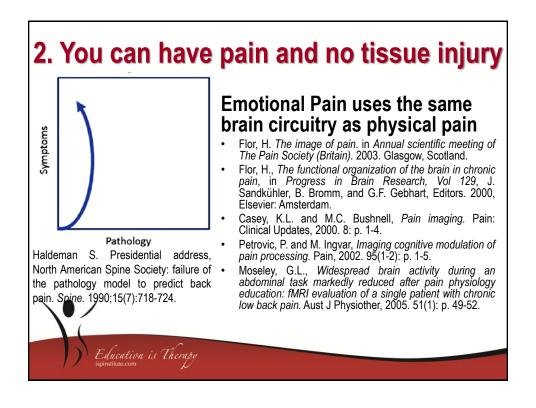






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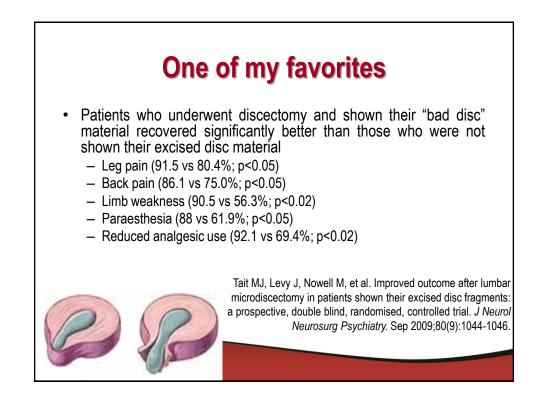


## "Nociception is neither necessary or sufficient for pain"

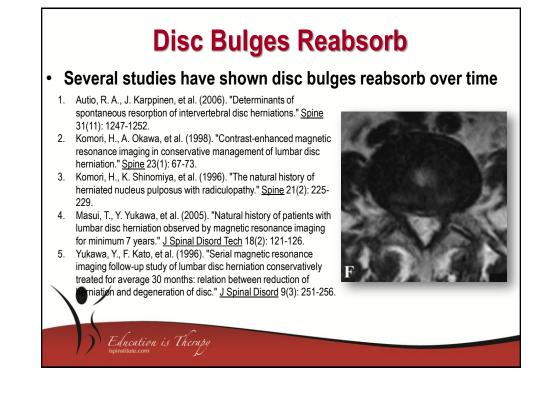












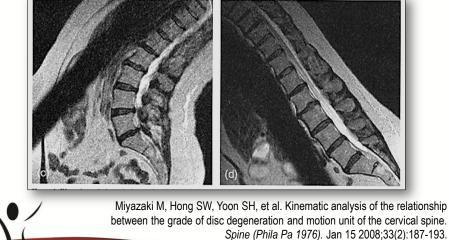


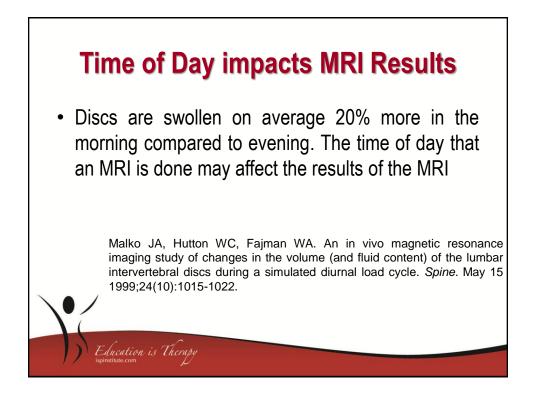
- Videman T, Battie MC, Gibbons LE, Maravilla K, Manninen H, Kaprio J. Associations between back pain history and lumbar MRI findings. *Spine*. Mar 15 2003;28(6):582-588.
- Alyas F, Turner M, Connell D. MRI findings in the lumbar spines of asymptomatic, adolescent, elite tennis players. Br J Sports Med. Nov 2007;41(11):836-841; discussion 841.

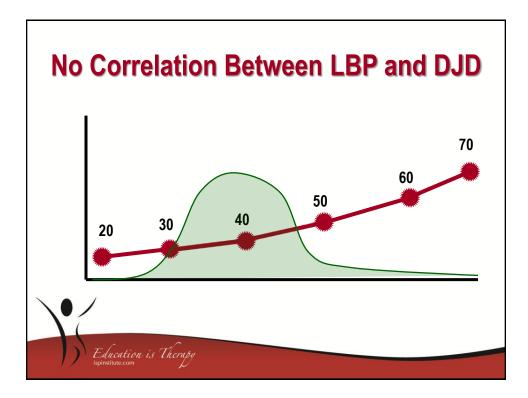
Education is Therapy



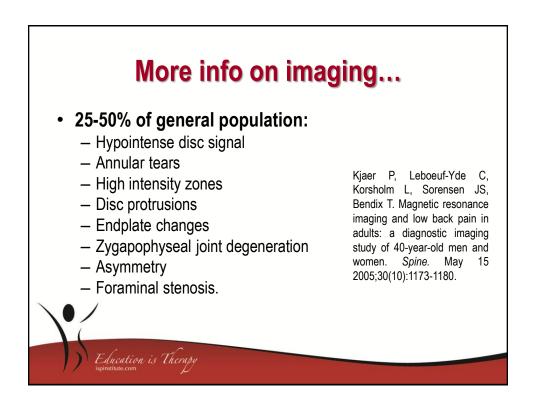


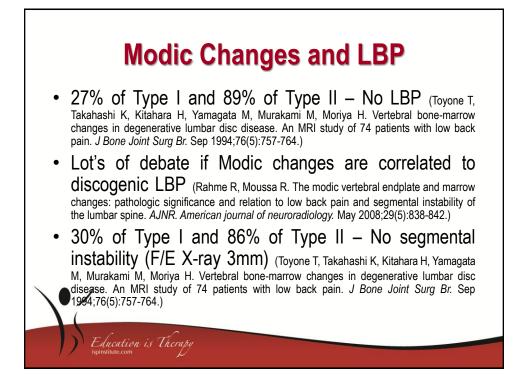


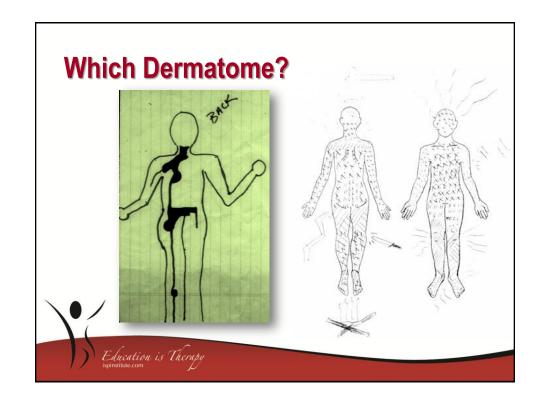


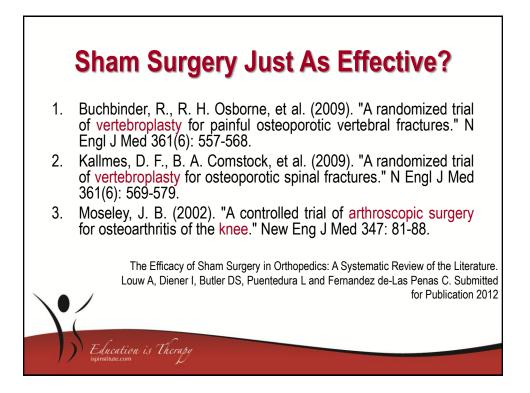


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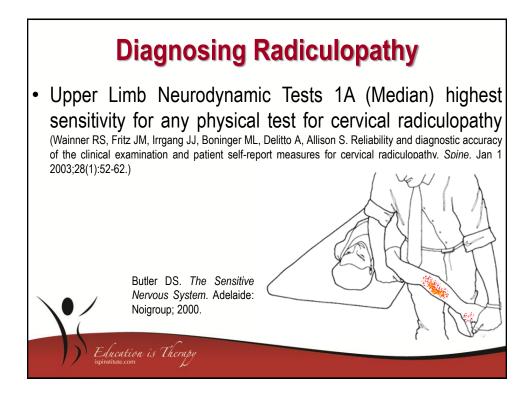


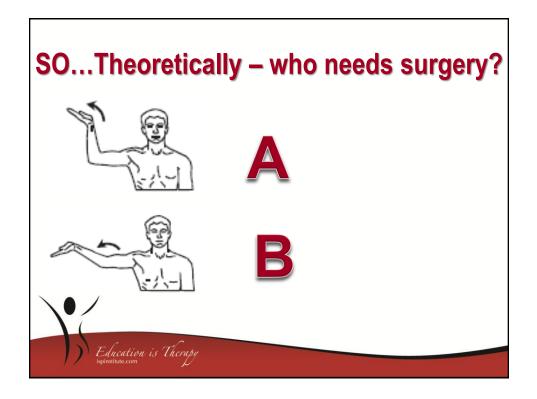
## The Complexity of Pain

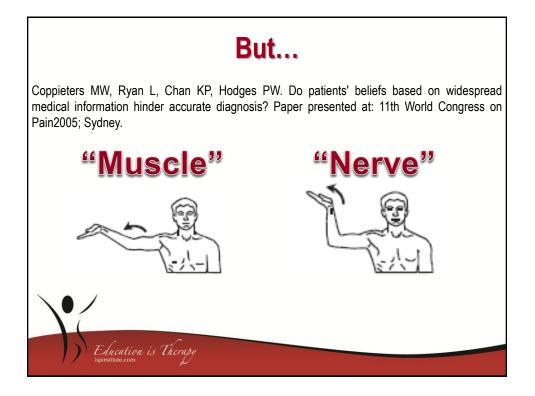
## • Is Cervical Radiculopathy an indication for Surgery?



**YES** (Carragee EJ, Hurwitz EL, Cheng I, et al. Treatment of neck pain: injections and surgical interventions: results of the Bone and Joint Decade 2000-2010 Task Force on Neck Pain and Its Associated Disorders. Spine. Feb 15 2008;33(4 Suppl):S153-169.) Wang MC, Kreuter W, Wolfla CE, Maiman DJ, Deyo RA. Trends and variations in cervical spine surgery in the United States: Medicare beneficiaries, 1992 to 2005. Spine (Phila Pa 1976). Apr 20 2009;34(9):955-961; discussion 962-953. Weinstein JN, Lurie JD, Tosteson TD, et al. Surgical vs nonoperative treatment for lumbar disk herniation: the Spine Patient Outcomes Research Trial (SPORT) observational cohort. JAMA. Nov 22 2006;296(20):2451-2459. Bono CM, Ghiselli G, Gilbert TJ, et al. An evidence-based clinical guideline for the diagnosis and treatment of cervical radiculopathy from degenerative disorders. The spine journal of the North American Spine Society. Jan 2011;11(1):64-72.







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