



Ente Ospedaliero Cantonale

Diagnosi differenziale della claudicatio...

...dal punto di vista neurochirurgico

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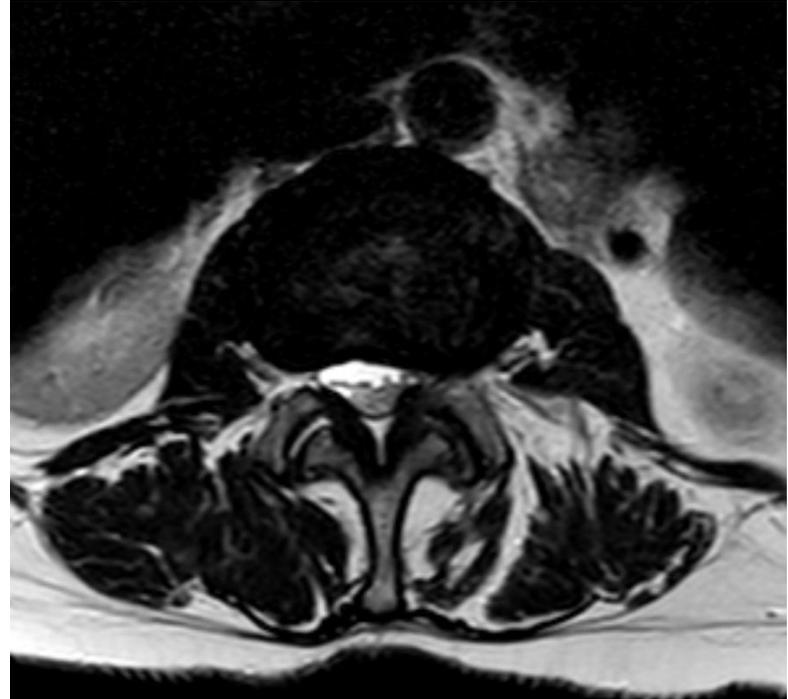
Dominiqueemmanuelle.kuhlen@eoc.ch

Caso clinico

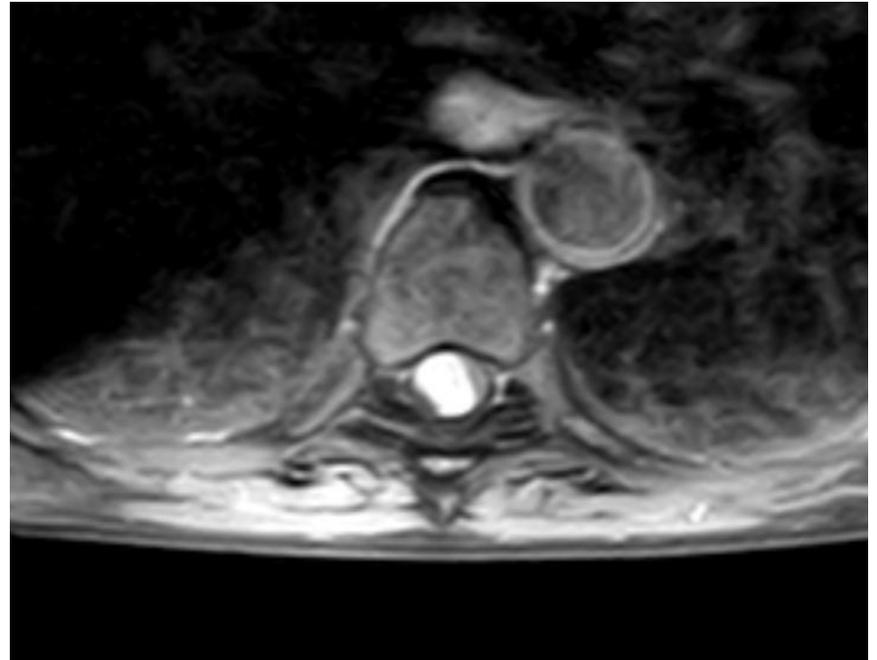
- Donna, 81 anni
- Disestesie e dolori alle gambe
- Sensazione di «gambe pesanti»
- Distanza e durata di marcia ridotta
- Insicurezza alla marcia

→ Diagnostica?

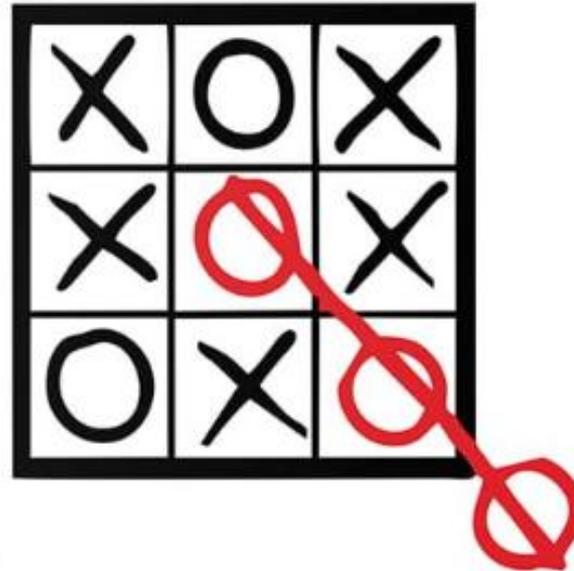
Caso clinico



Caso clinico

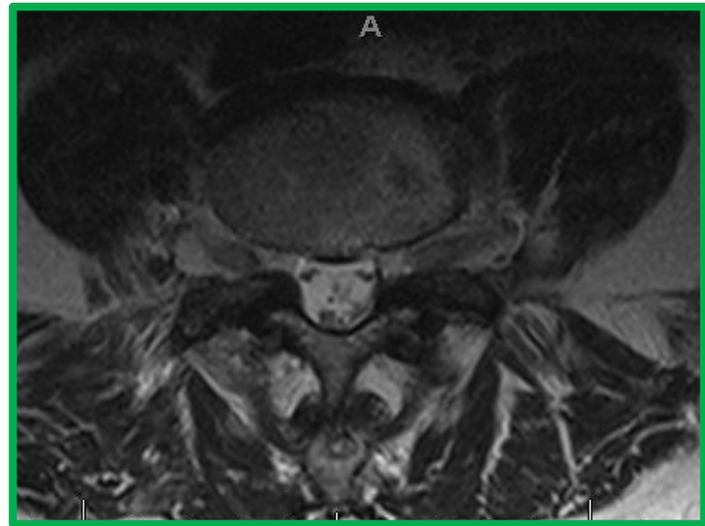
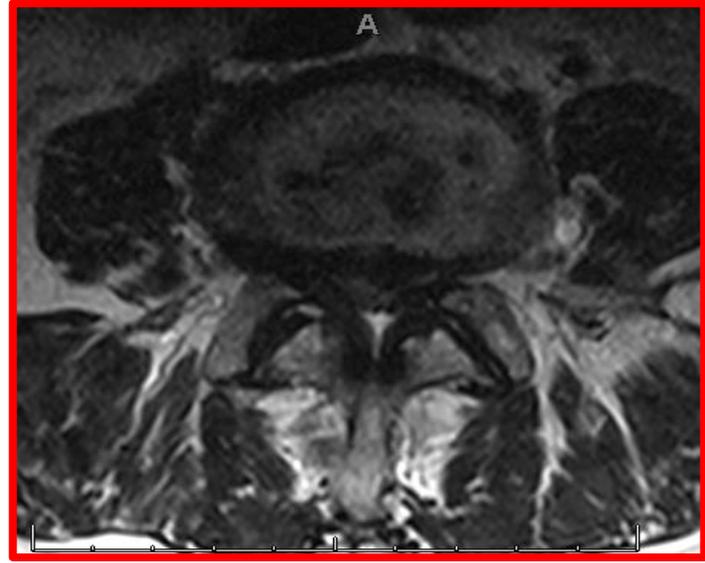
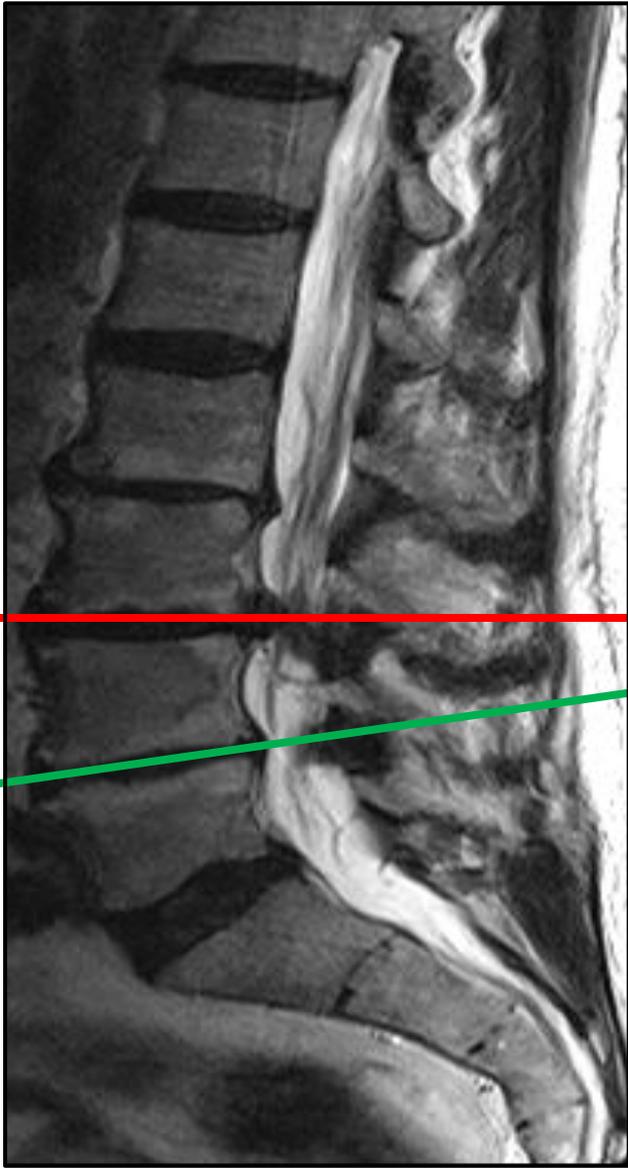


THINK OUTSIDE THE BOX



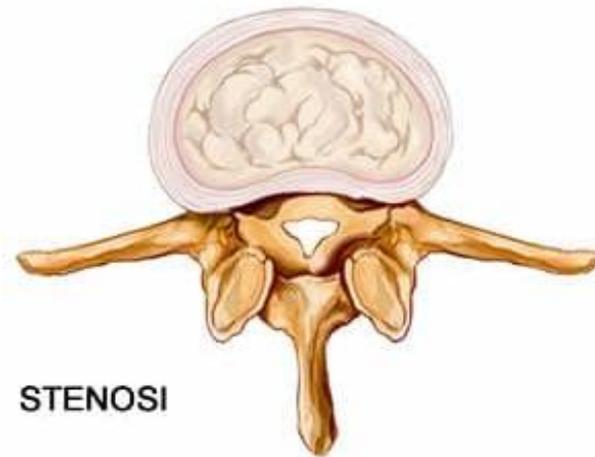
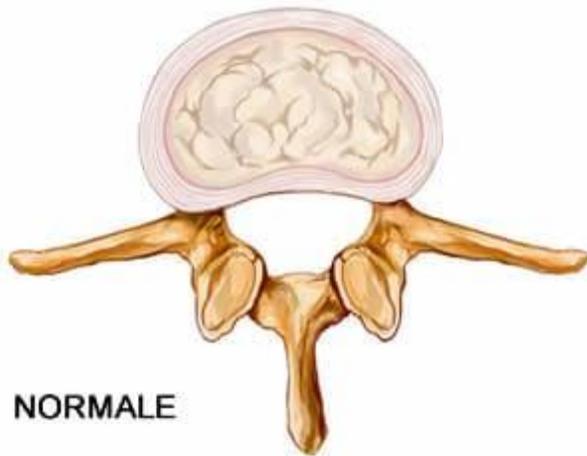
David Berish





Definizione

Restringimento anormale del canale spinale e/o dei recessi laterali e/o dei forami intervertebrali che comporta la compressione del sacco durale e delle radici nervose.



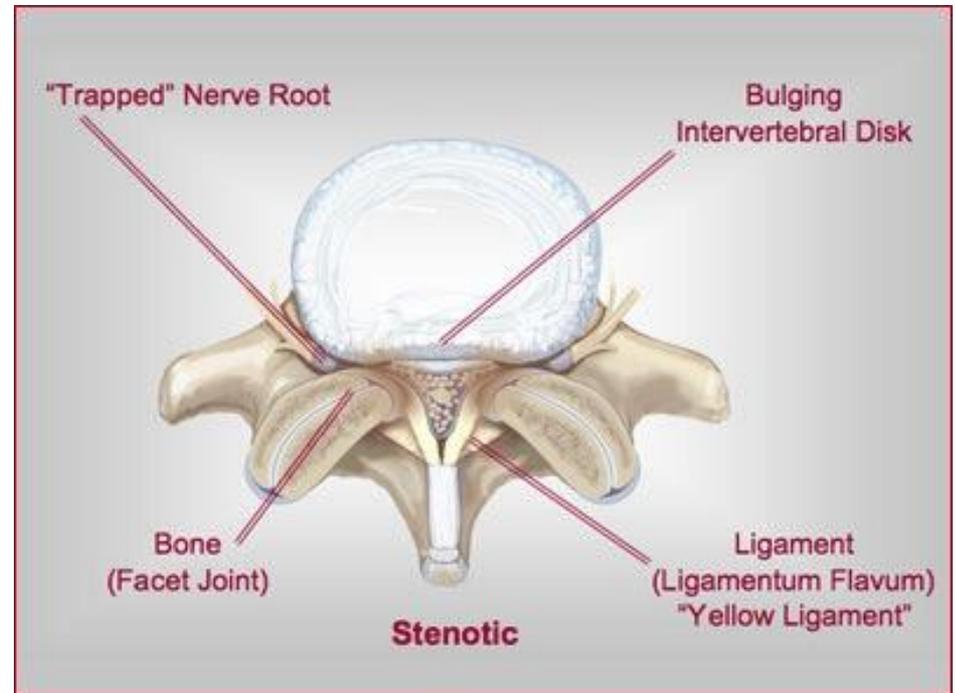
Epidemiologia

- In continuo aumento, specie > 50aa
- Prima causa di interventi al rachide > 65aa
- > 200.000 pazienti in USA
- Congenita: relativa 4,7% VS assoluta 2,6% *
- Acquisita: relativa 22,5% VS assoluta 7,3% *
 - > 60aa relativa 47,2% VS assoluta 19,4% *

Eziologia - acquisita

1) Stenosi degenerativa (spondilosi):

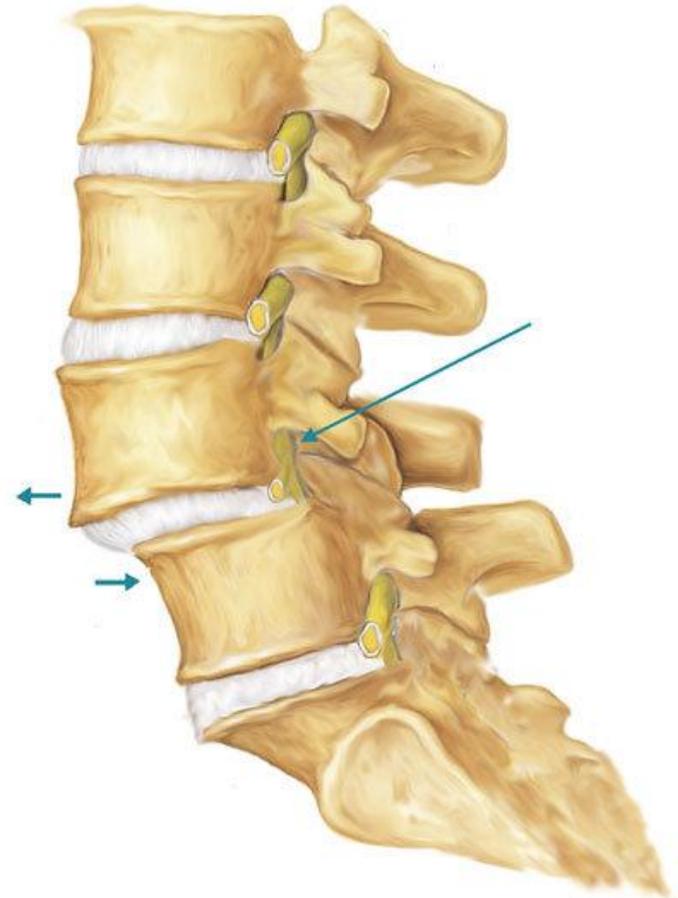
- Protrusione discale
- Ipertrofia ligamentaria
- Faccettopatia

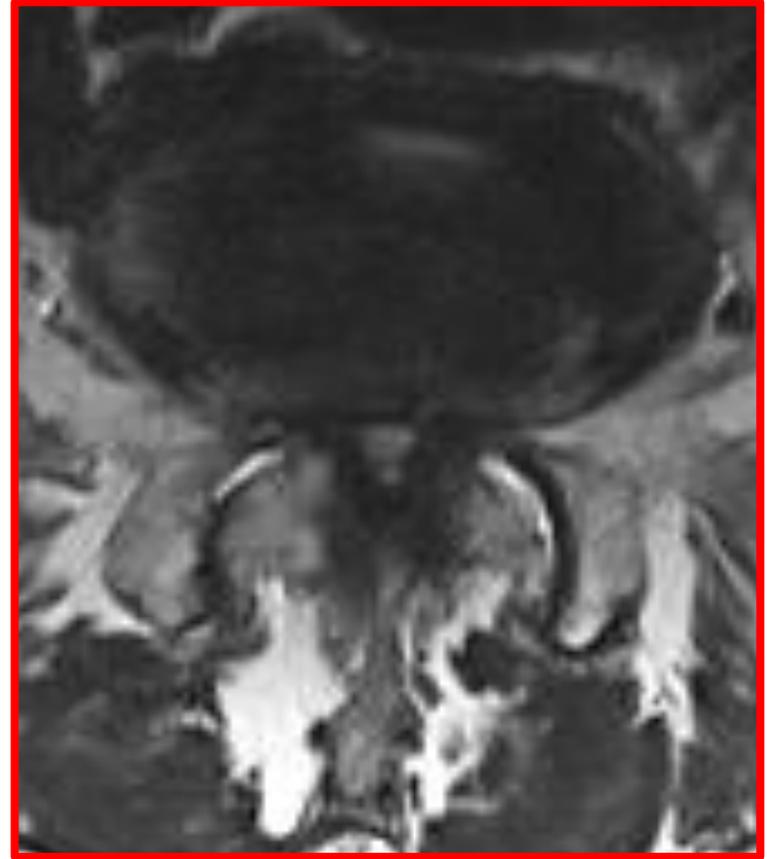
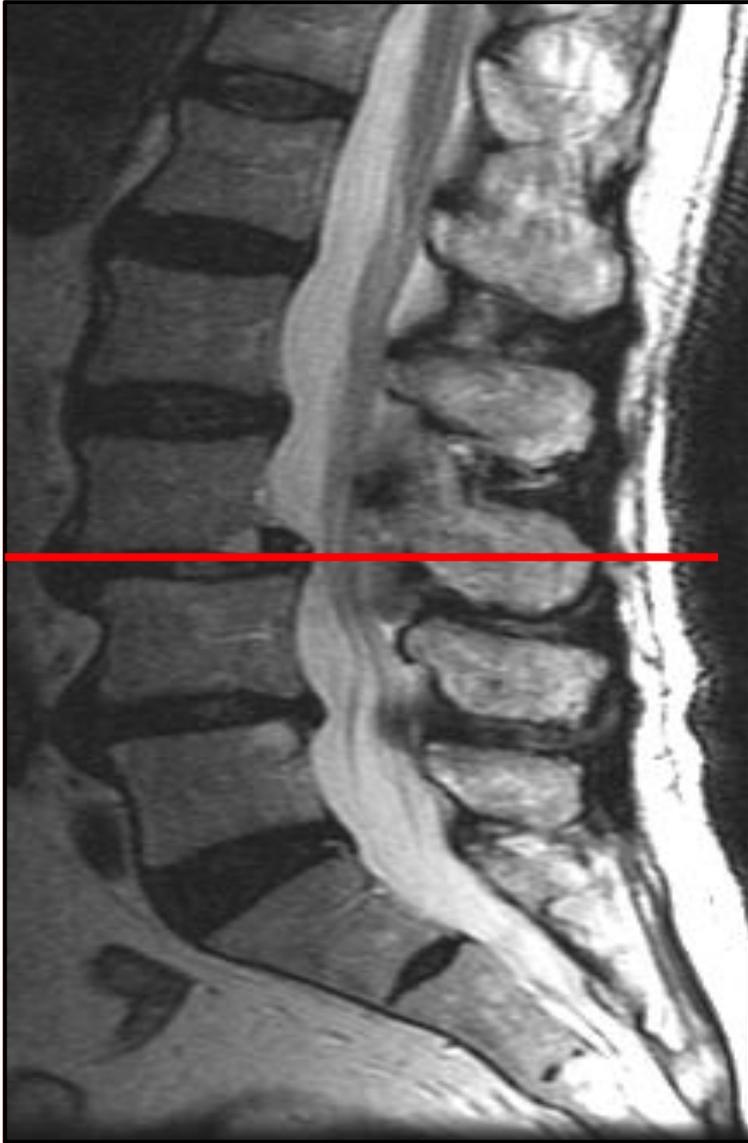


Eziologia - acquisita

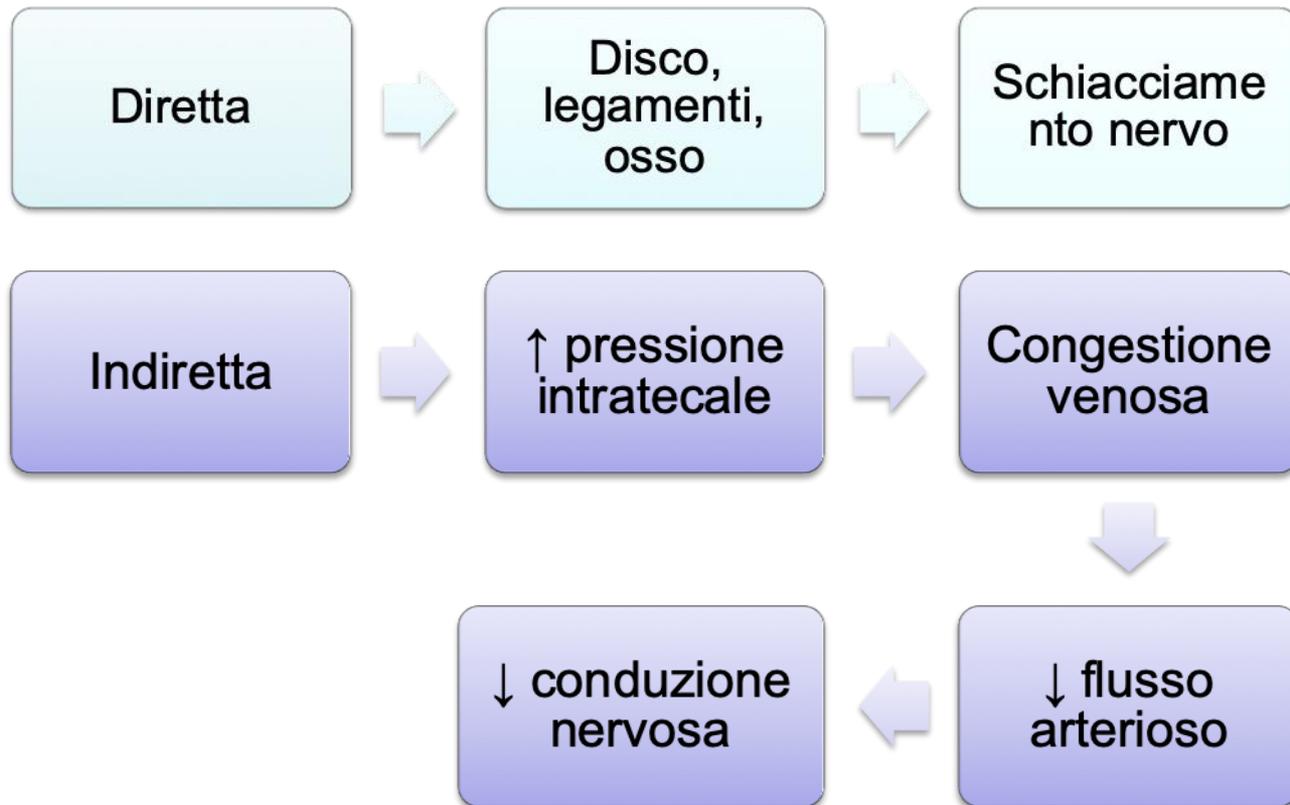
2) Spondilolistesi degenerativa:

- Scivolamento anteriore o posteriore del soma (senza lisi!)

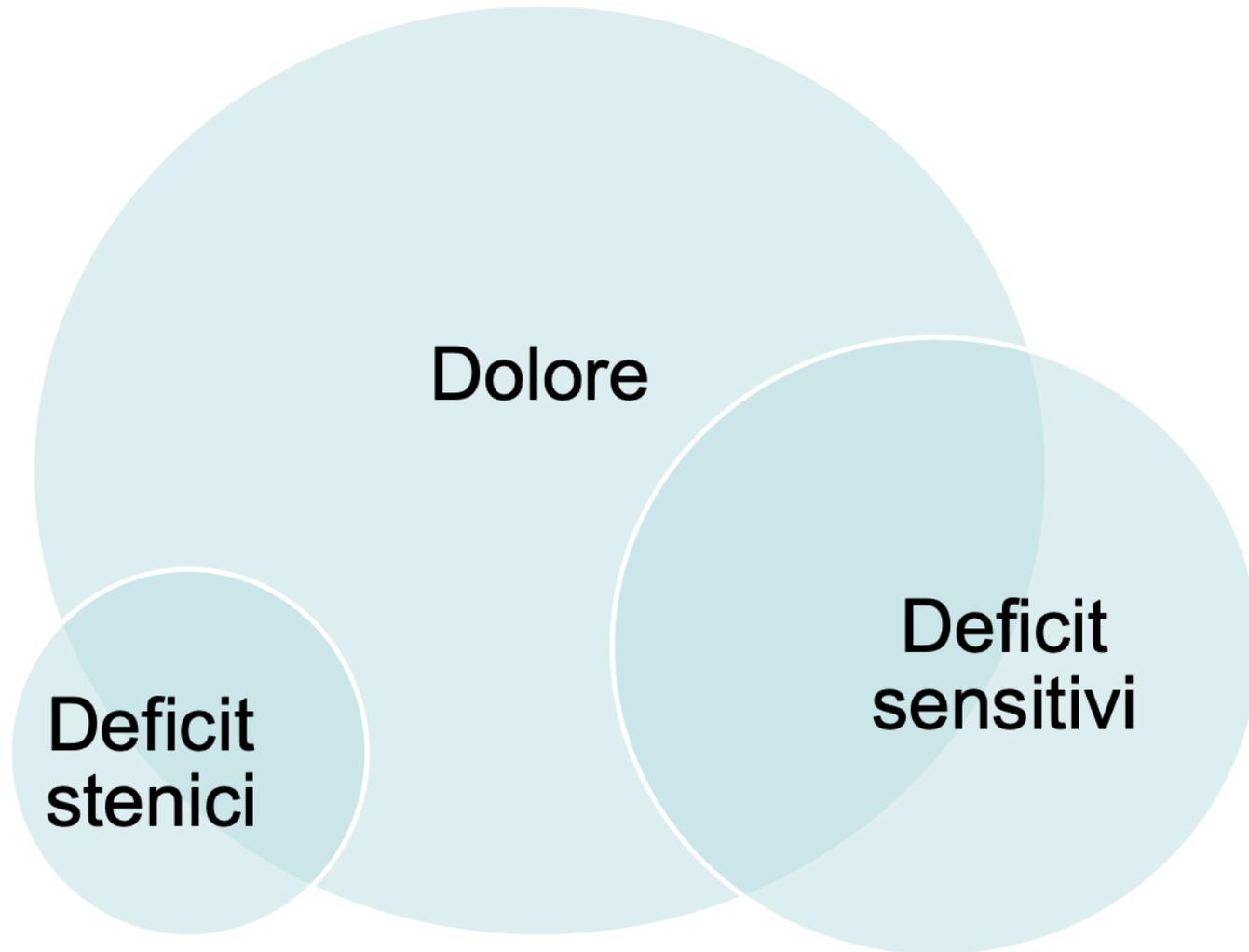




Patogenesi: compressione meccanica e ischemia



Segni & Sintomi



Diagnosi differenziale

| Segni e sintomi | <i>Claudicatio</i> neurogenica | <i>Claudicatio</i> vascolare |
|--|--|------------------------------|
| Distanza percorribile | Variabile | Fissa |
| <i>Low back pain</i> | Comune | Assente |
| Provocazione posturale | Comune | Assente |
| Fattori aggravanti | Cammino, stazione eretta | Cammino |
| Fattori allevianti | Sedersi, sdraiarsi, flettere il tronco | Cessazione dell'attività |
| Miglioramento alla cessazione di attività | Qualche minuto | Immediato |
| Polso periferico | Normale | Diminuito o assente |
| Cambiamenti trofici cutanei | Assenti | Probabili |
| Variazioni di sensibilità e riflessi | Probabili | Assenti |
| Andare in bici, cammino in salita | Maggiormente tollerato/ non provocativo | Provocativo |

Dottore, ma io sto bene
quando vado in bici!



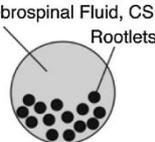
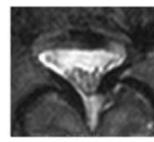
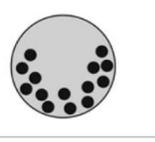
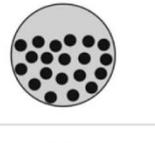
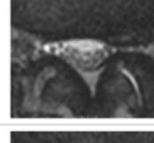
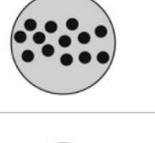
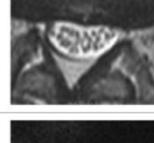
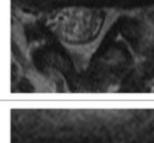
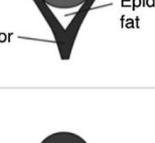
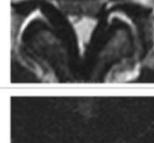
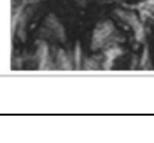
Diagnosi

- ✓ Storia clinica
- ✓ RM
- ✓ MieloTC (solo se RM non possibile)



DD: ENMG (neuropatia), angiografia AAI (AOCP)

Classificazione – Schizas

| | | | |
|---|-----------|--|--|
|  | A1 |  | <p>Grade A Dural sac partly occupied by the rootlets. Clearly visible CSF. No stenosis</p> |
|  | A2 |  | |
|  | A3 |  | |
|  | A4 |  | |
|  | B |  | <p>Grade B Rootlets occupy whole dural sac. Some CSF visible. Moderate stenosis</p> |
|  | C |  | <p>Grade C Rootlets not visible. No CSF visible. Epidural fat posteriorly. Severe stenosis</p> |
|  | D |  | <p>Grade D Rootlets not visible. No CSF visible. No epidural fat. Extreme stenosis</p> |

Trattamento conservativo

1. Fisioterapia



2. Analgesia



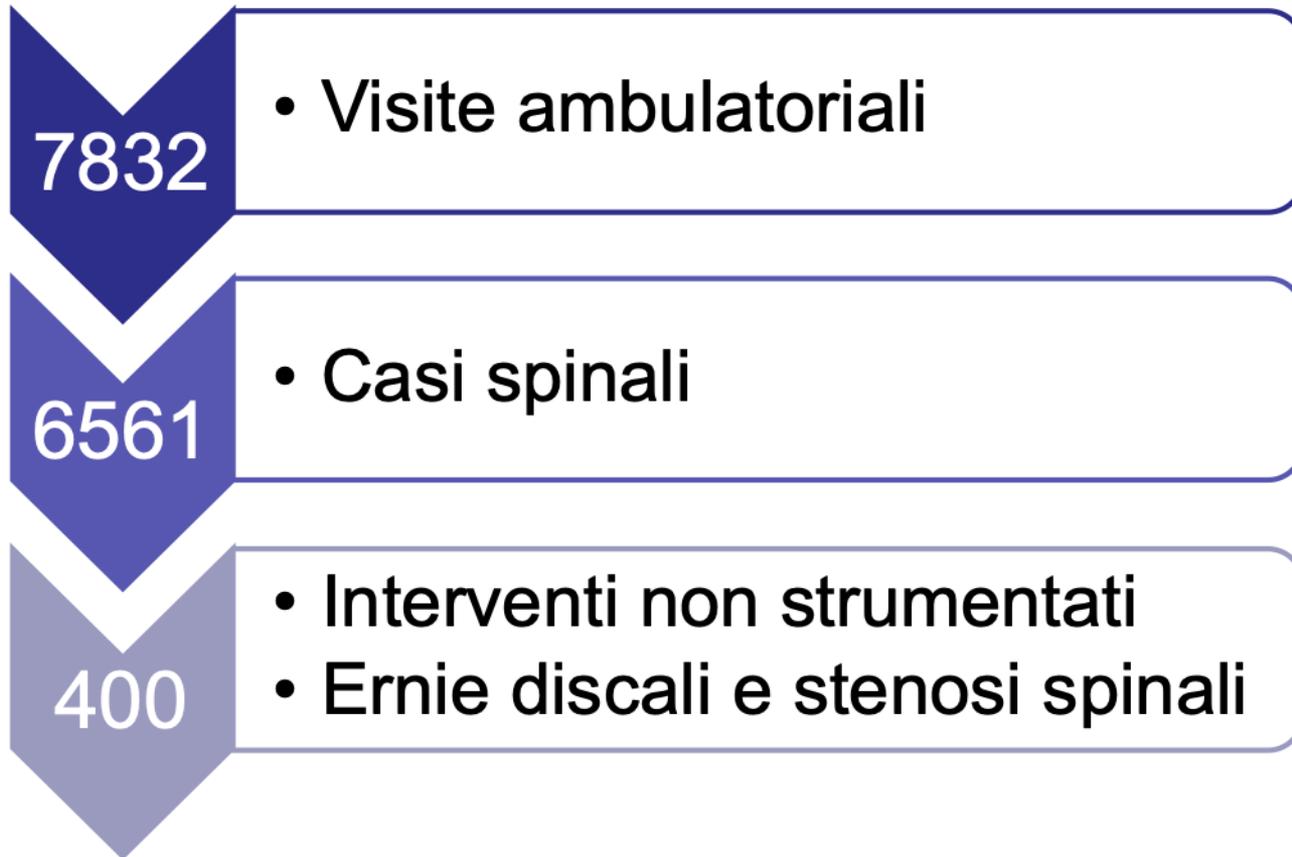
3. Infiltrazioni epidurali



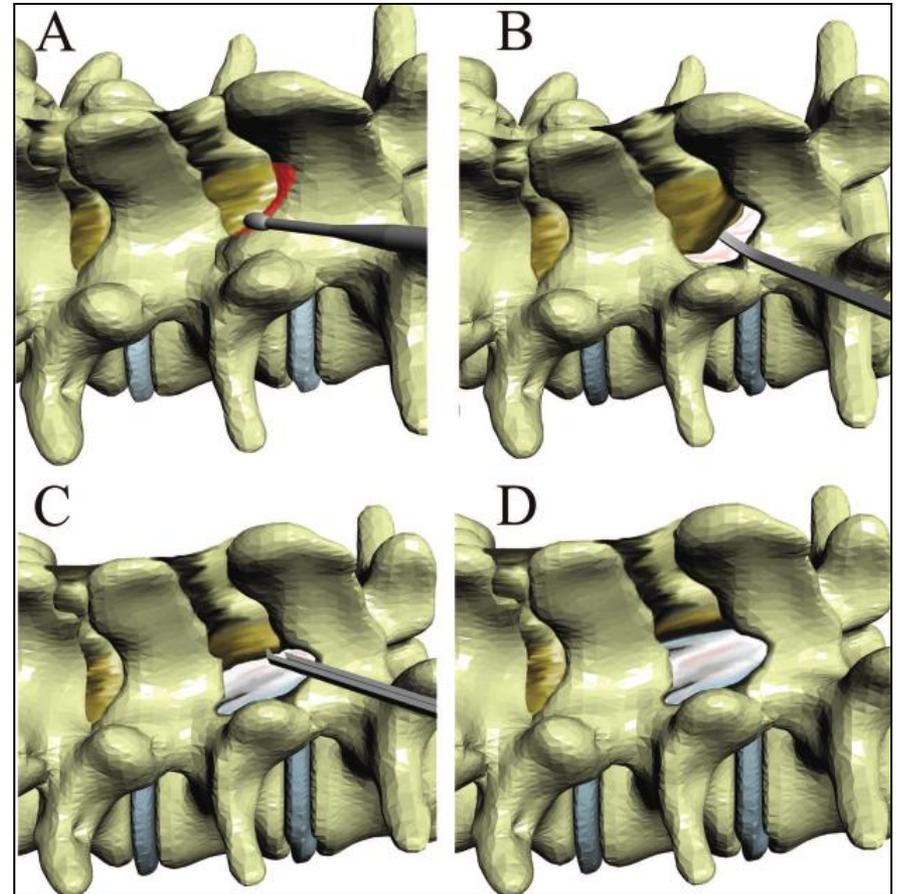
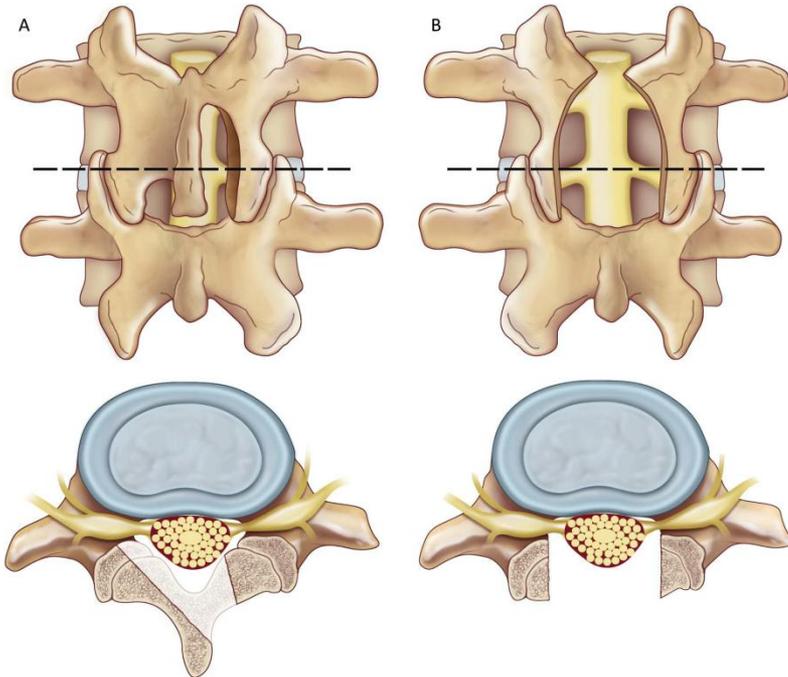
Dottore, dottore
ho il canaletto stretto!



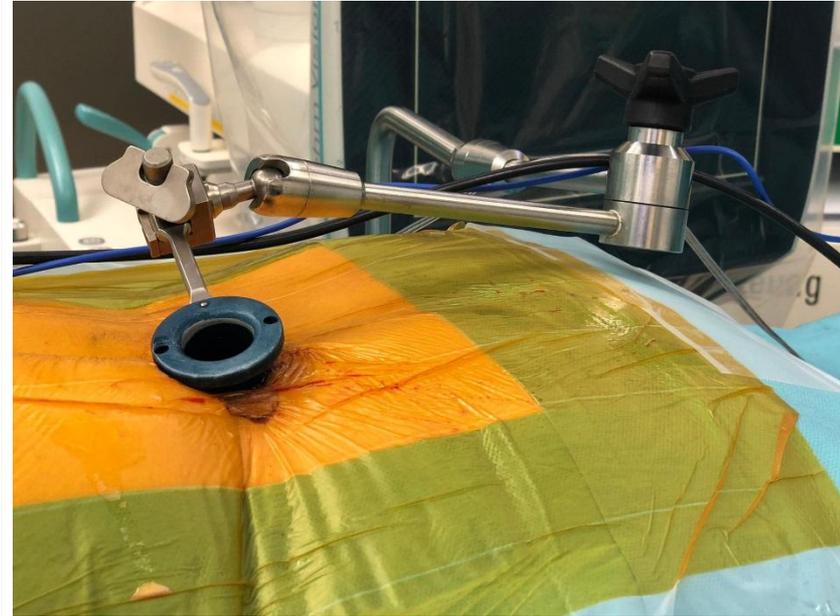
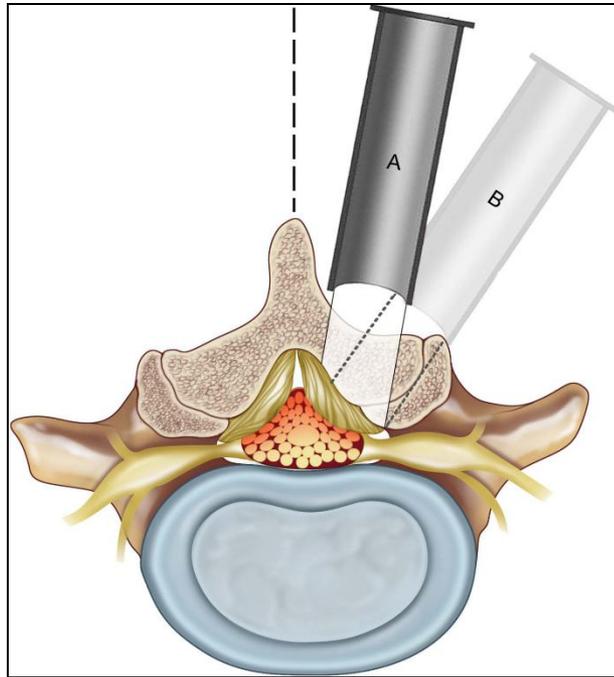
Casistica EOC 2018



Trattamento chirurgico: fenestrazione interlaminare con undercutting



Trattamento chirurgico: decompressione mini-invasiva



Conservativo VS chirurgico

Letteratura: SPORT (Spine Patient Outcome Research Trial)

1. Stenosi spinale *
2. Spondilolistesi degenerativa **

Migliori risultati con trattamento chirurgico in termini di riduzione del dolore, funzione, soddisfazione del paziente a 4 anni.

* Weinstein JN, Tosteson TD, Lurie JD, et al. Surgical VS nonoperative treatment for lumbar spinal stenosis: 4-year results of SPORT. Spine J, 2010.

** Weinstein JN, Lurie JD, Tosteson TD, et al. Surgical compared with nonoperative treatment for lumbar degenerative spondylolisthesis: 4-year results in the SPORT and observational cohorts. JBJS, 2009.

Dan Med J. 2016 Nov;63(11): pii: A5299.

Patient are satisfied one year after decompression surgery for lumbar spinal stenosis.

Paulsen RT¹, Bouknaitir JB, Fruensgaard S, Carreron L, Andersen M.

**82% soddisfatti 1 anno dopo
l'intervento**



J Bone Joint Surg Am. 2015 Feb 4;97(3):177-85. doi: 10.2106/JBJS.N.00313.

Effectiveness of surgery for lumbar stenosis and degenerative spondylolisthesis in the octogenarian population: analysis of the Spine Patient Outcomes Research Trial (SPORT) data.

Rihn JA¹, Hilibrand AS¹, Zhao W², Lurie JD², Vaccaro AR¹, Albert TJ¹, Weinstein J².



NEWS

Satellite del NSI a Locarno con consulenze di neurochirurgia

Da novembre 2019:

- Attivazione di ambulatorio NCH a ODL di Locarno
- 1 giorno/settimana (martedì)
- Tel. +41 91 811 69 27
- Fax +41 91 811 69 19



Grazie

