

# Current & Evolving Percutaneous Treatment Approaches: Cedars-Sinai

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Cedars Sinai

## Interventional Options

- Blood Patch
  - Single level
  - Bilevel
  - Targeted
- Fibrin Glue



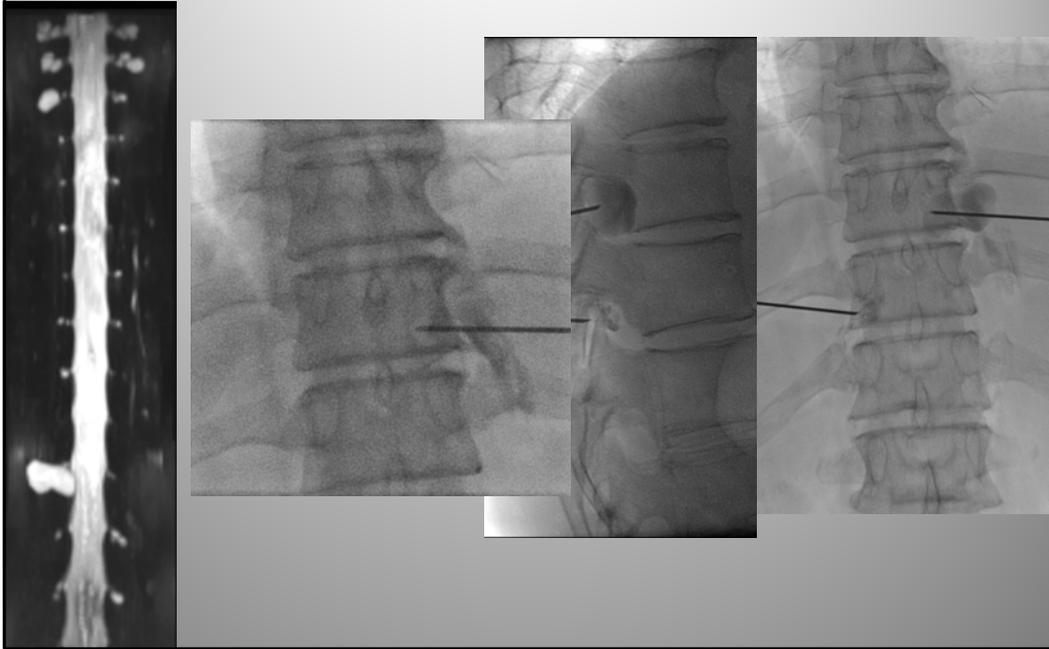
Quadris Order#:                      Location:              Date of Birth:  
3738058                                  OP01                      01/01/1959

NERVE ROOT LOCALIZATION                      DATE OF STUDY: 01/30/2003  
AND FIBRIN GLUE DEPOSITION

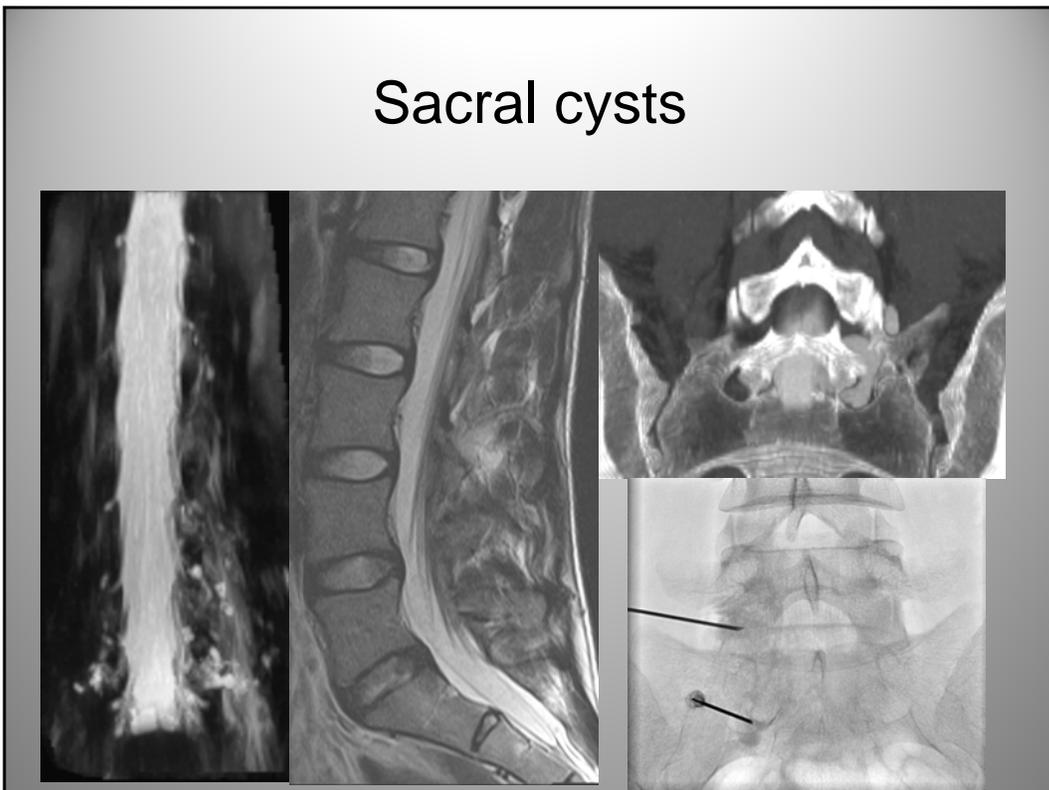
CLINICAL INDICATION: CSF leak.

Year	Blood Patch	Fibrin Glue
2013	138	46
2014	160	34
2015	169	40
2016	209	51

## Fibrin Glue



## Sacral cysts



## Meningeal diverticulum



## Results

Epidural blood patch

95% initial response

80% cure rate

Percutaneous glue

40% cure rate