Acute L3 Spondylolysis with Venous Epidural
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History
Teenage male athlete with back pain.

Diagnosis
Acute L3 Spondylolysis with Venous Epidural

Additional Clinical
MR 2 months later showed near complete resolution of the extraaxial collection.

Discussion
Spinal epidural hematoma may be the result of coagulopathy, trauma, vascular lesion, iatrogenic process or spontaneous event. In this case, disruption of the lumbar venous plexus may have occurred from either vertebral motion or acute trauma associated with spondylolysis.

Findings
MR-Mixed signal extra-axial collection with minimal peripheral enhancement and compression of the thecal sac.
NM-Coronal SPECT shows bilateral pars defects (also seen on MR).

Reference
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