

MICOD -04/04/2024

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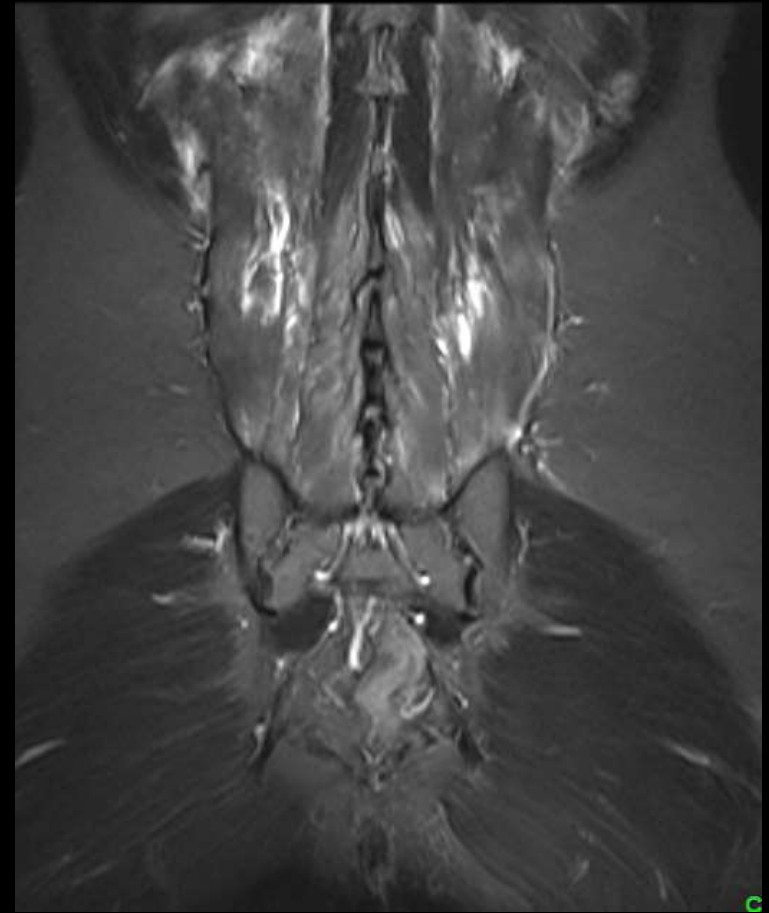
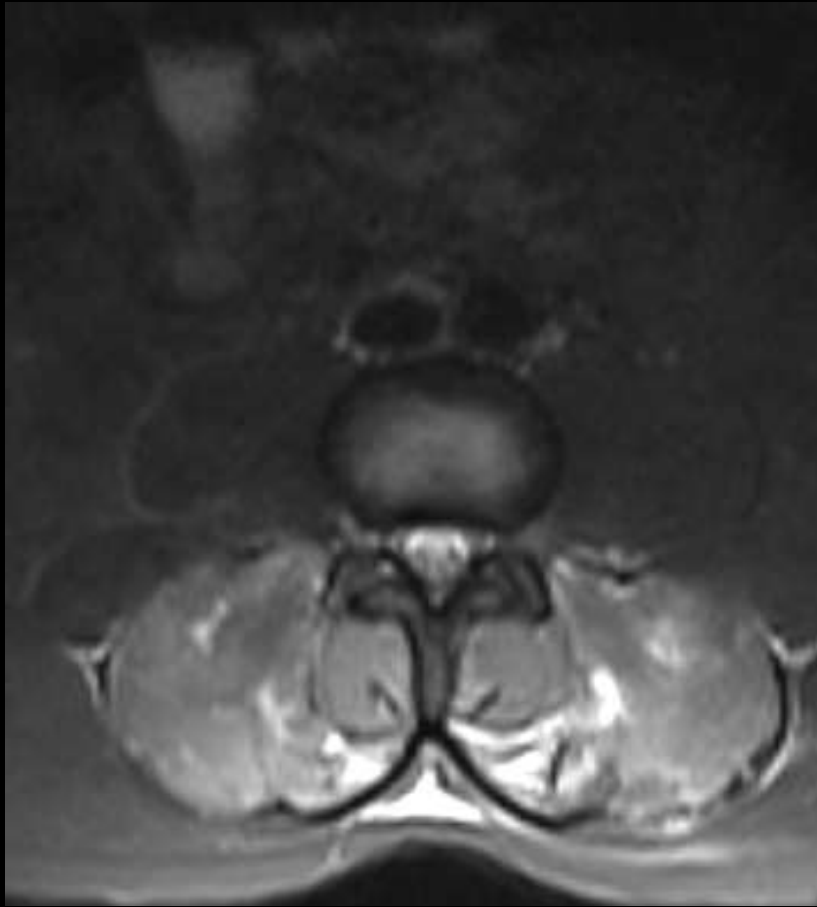
# MI-COD

MSS INDIA- Case Of the Day



## CASE 2

32 Year old gentleman developed back pain after exercise.

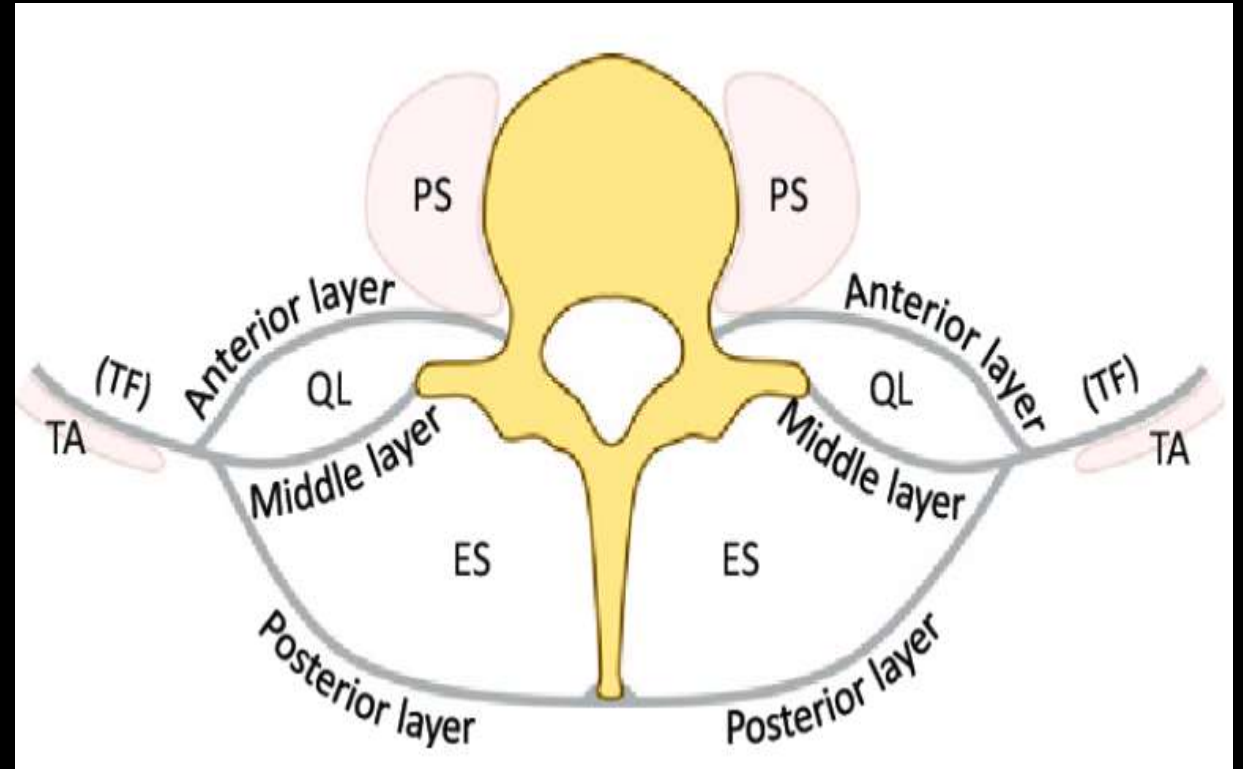


Diffuse intramuscular edema of bilateral posterior para-spinal muscles of thoraco-lumbar spine. -

**Diagnosis: Exercise induced para-vertebral compartment syndrome.**

## Discussion:

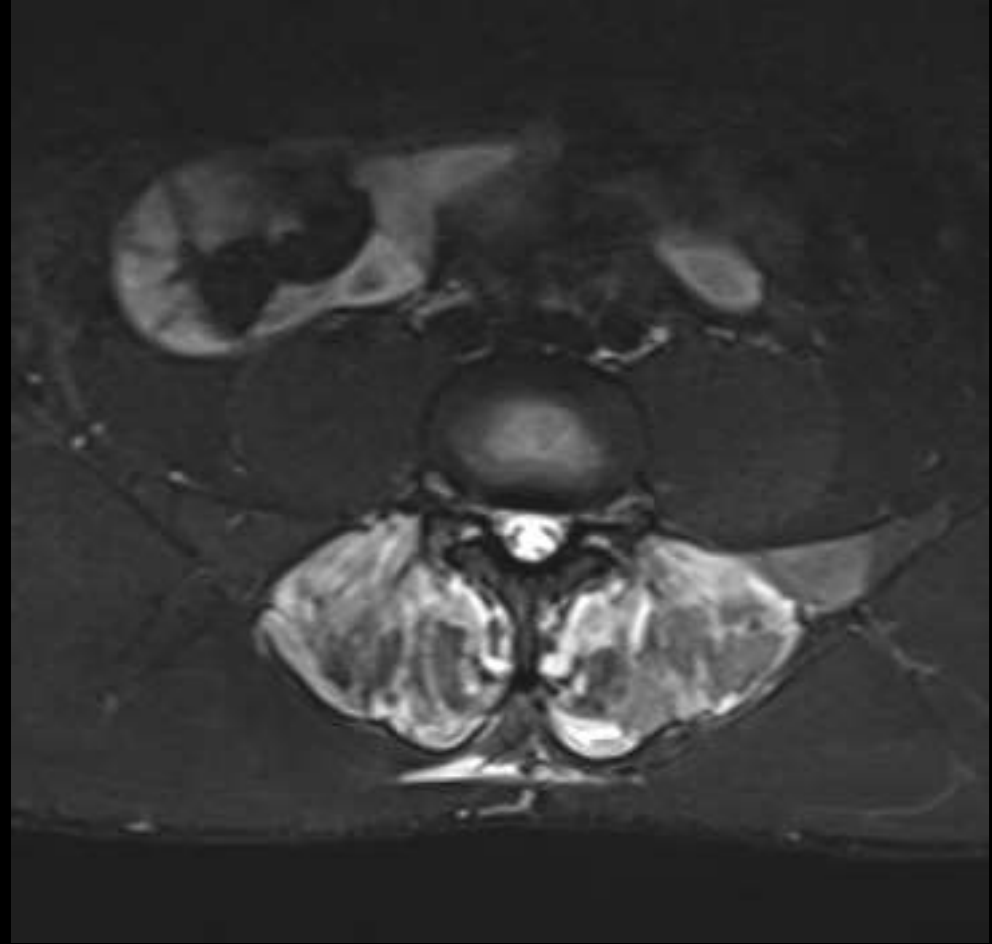
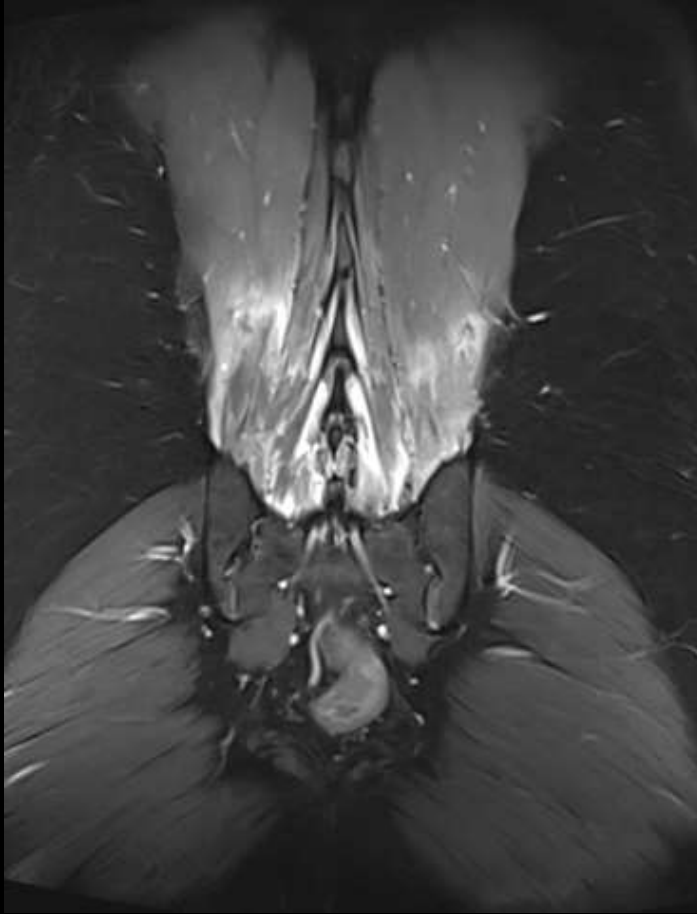
Middle and posterior layers of thoracolumbar fascia encase ipsilateral compartment muscles anteroposteriorly and spinous processes cover the compartment medially, making a separate space that is susceptible to increased compartmental pressure.



## Complications of CS can be detected by radiologic studies.

- An intramuscular hemorrhage can be detected as a **hyperintensity in a T1-weighted image.**
- **Fibrosis, calcification, and muscular atrophy** can be seen as a sequel in the chronic phase.
- **The decreased uptake of gadolinium, a sign of necrosis,** which suggests irreversible damage and demands emergent surgical intervention

Follow up imaging done at 3 months interval with  
persistent back pain



Moderate decrease in the muscle bulk with mild decrease in the intramuscular edema.

No obvious cystic areas to suggest muscle necrosis.

- Thank you.