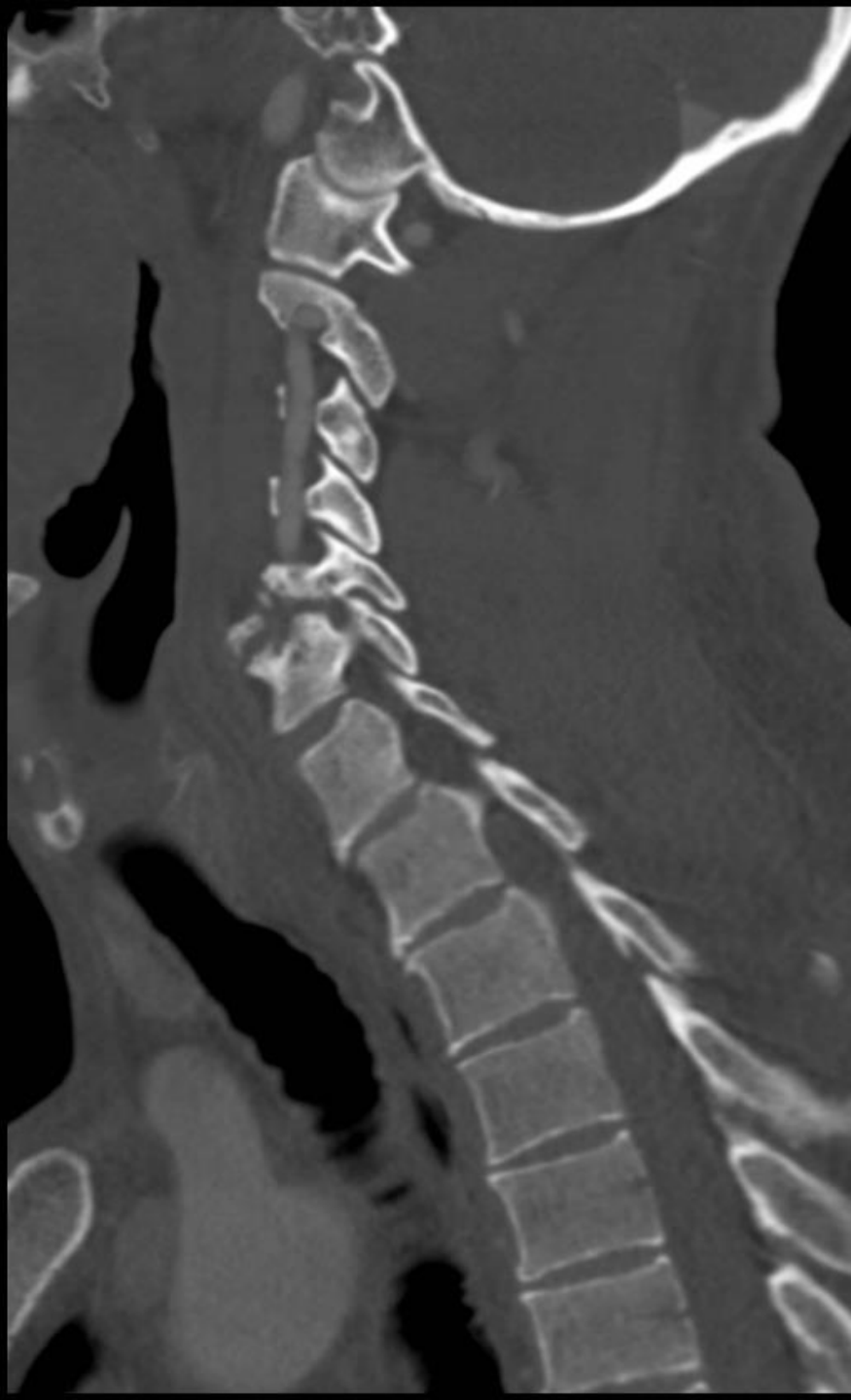
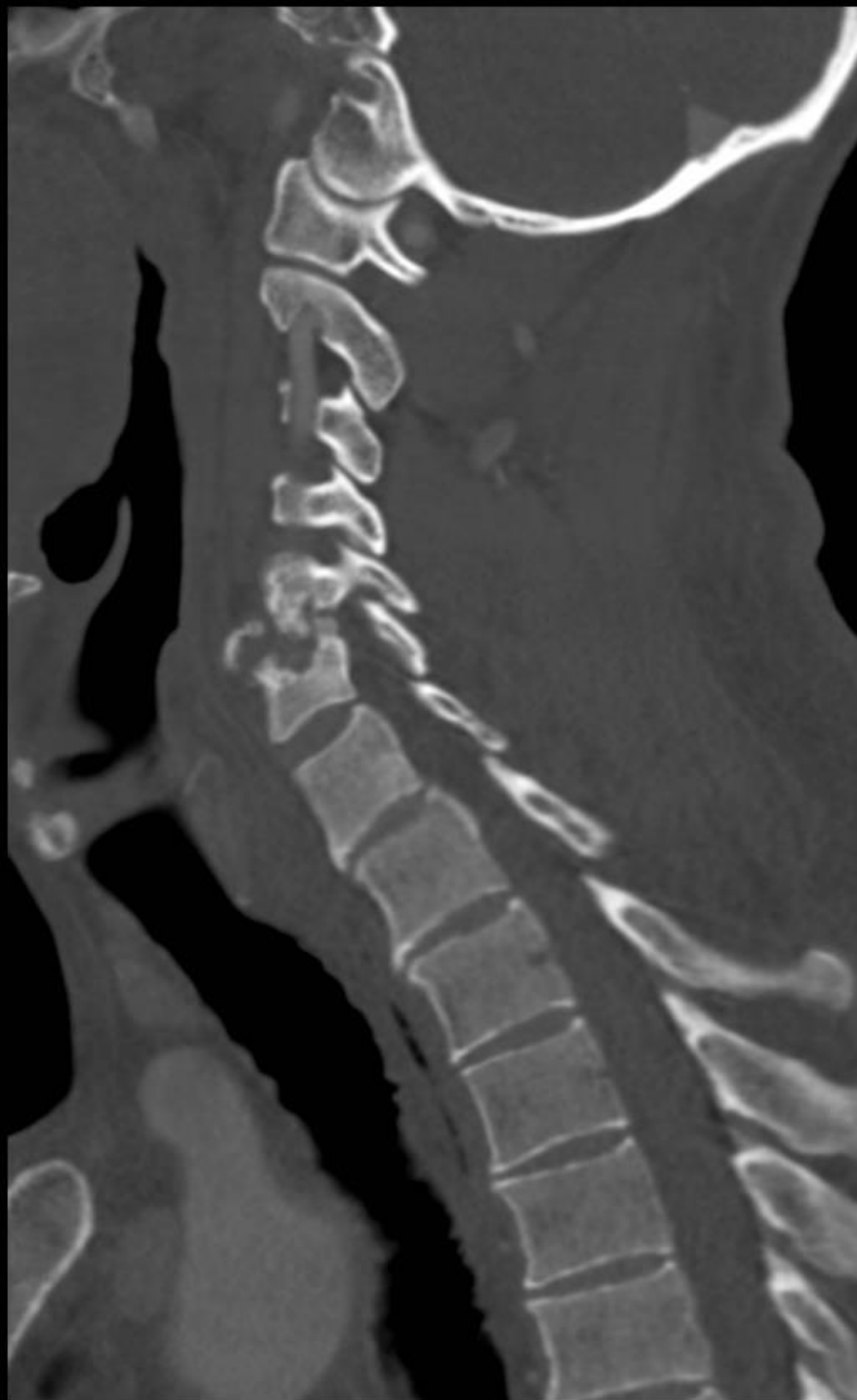


# Trauma C-Spine CT

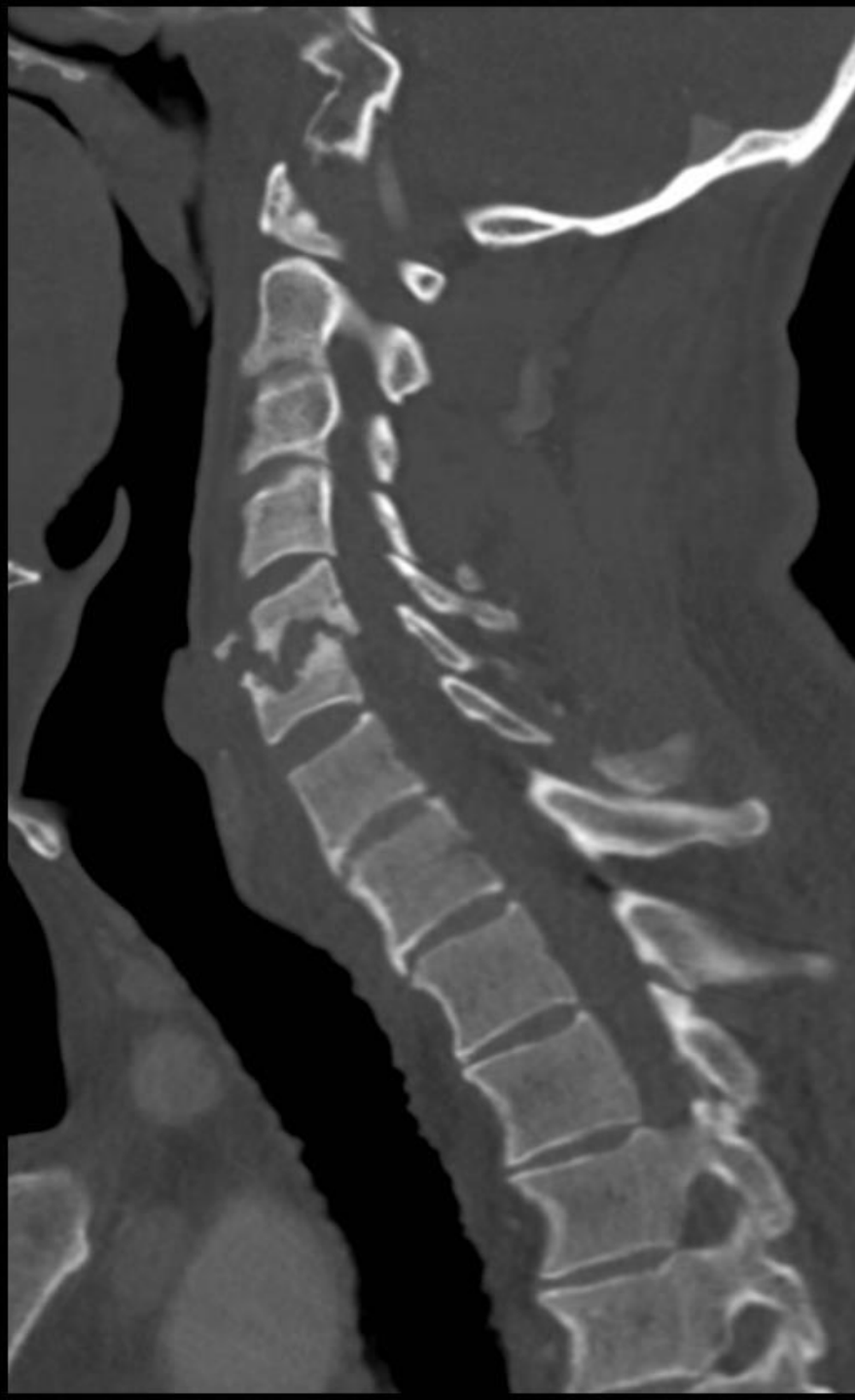
- 66 yo male that presented on 2/29/2016 with neck pain after a fall from the couch
- The patient does endorse tingling in the bilateral upper extremities
- The patient has a history of ESRD (on hemodialysis), HIV, and DM
- Outside CT interpretation was a C5 fracture with retropulsion

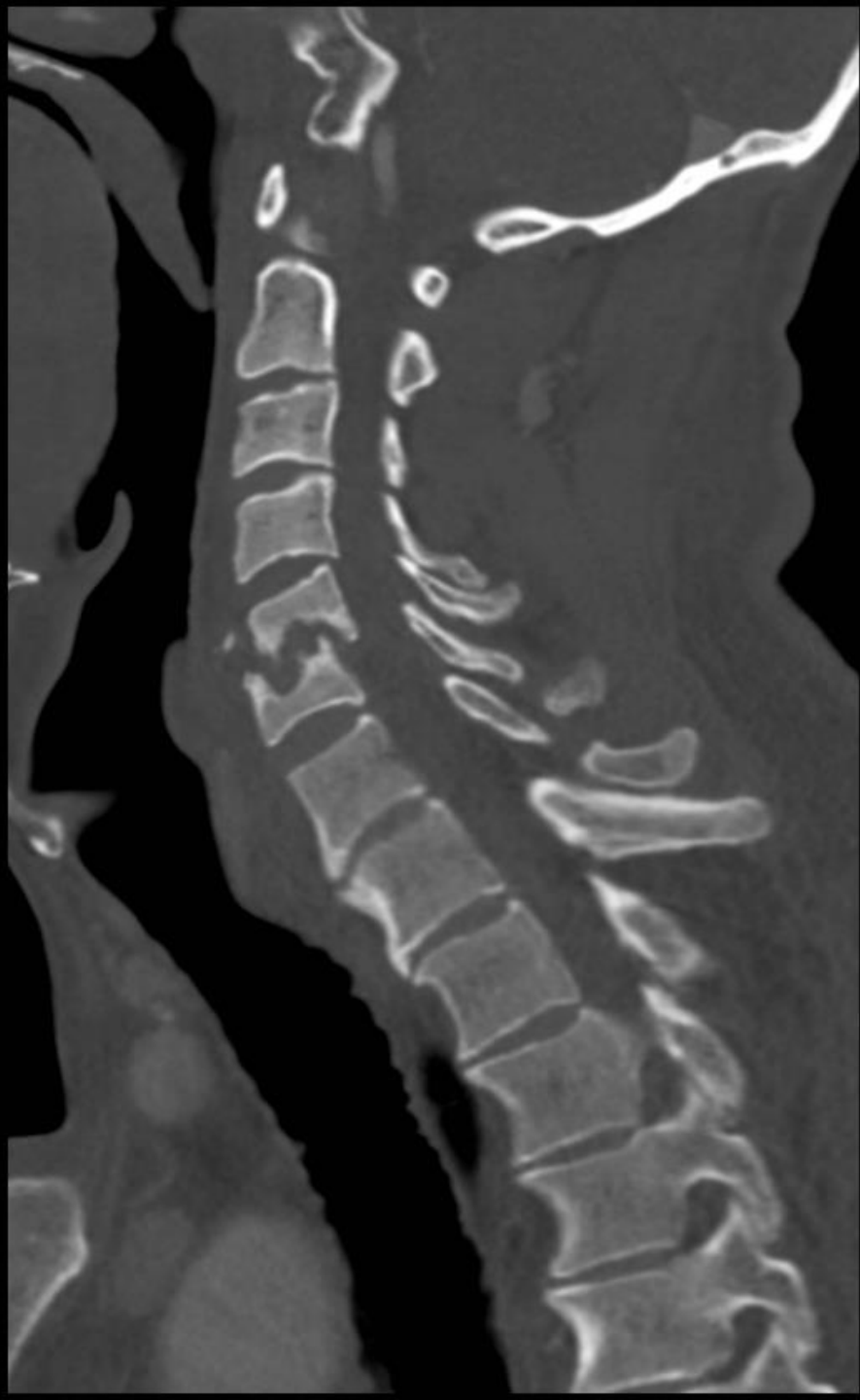


















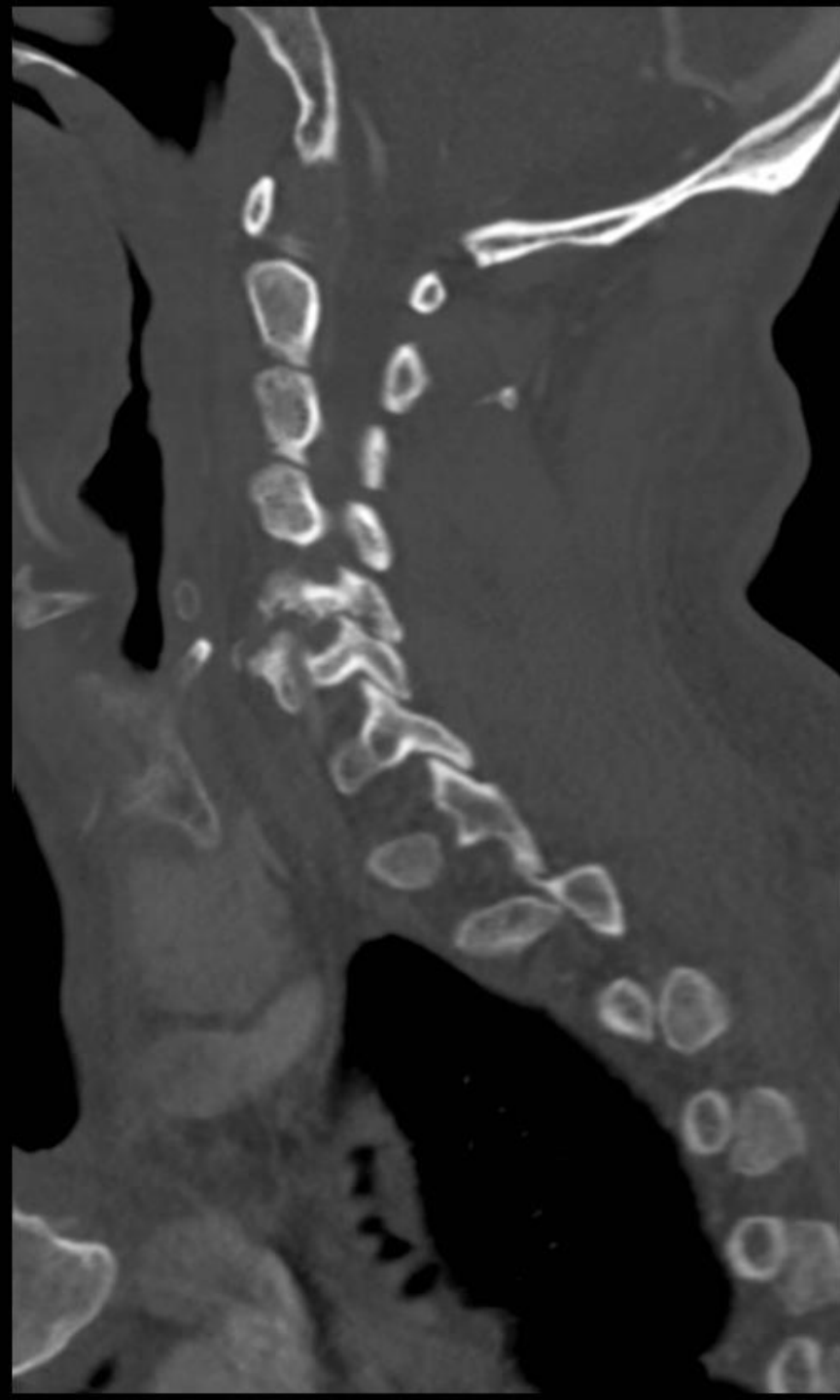


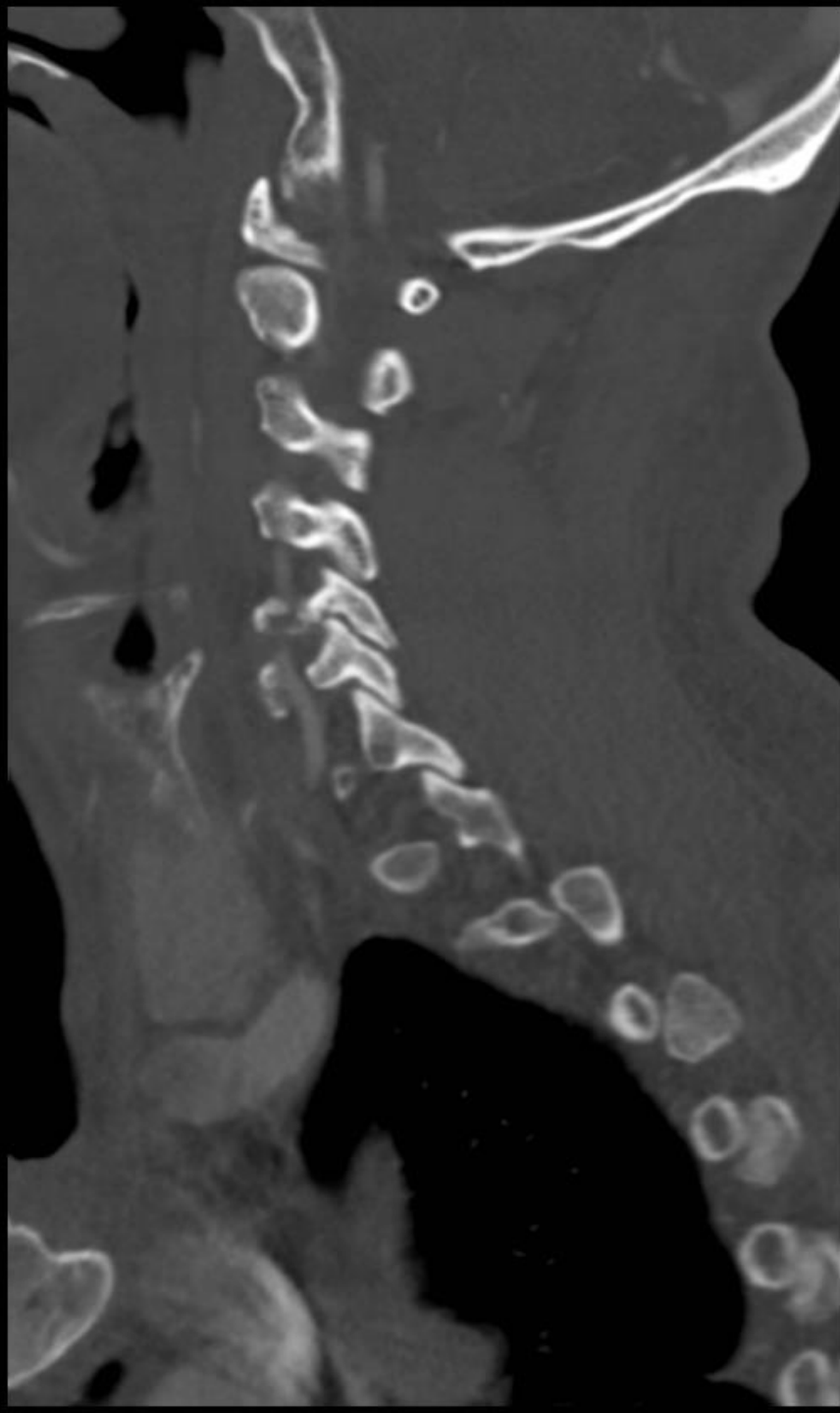




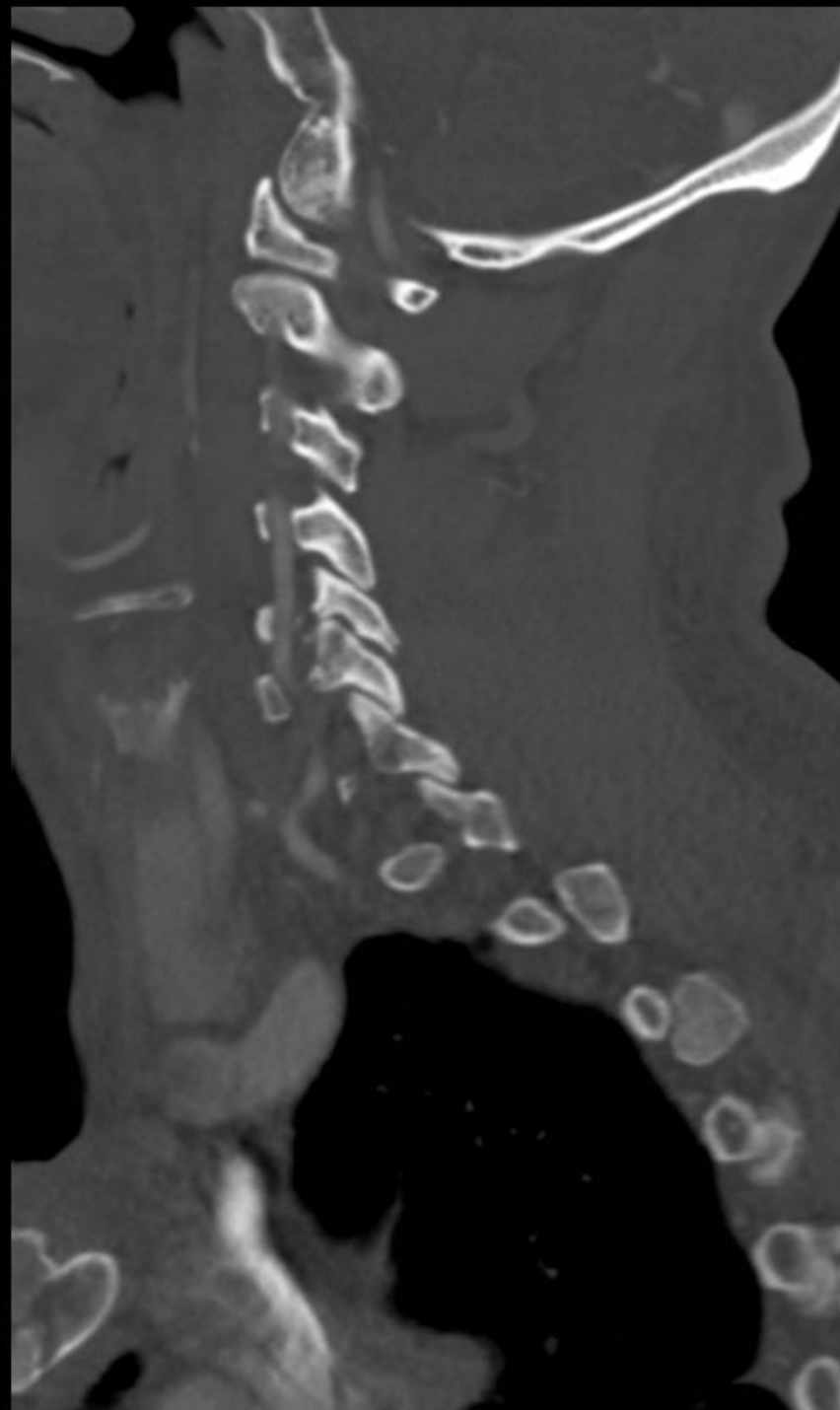




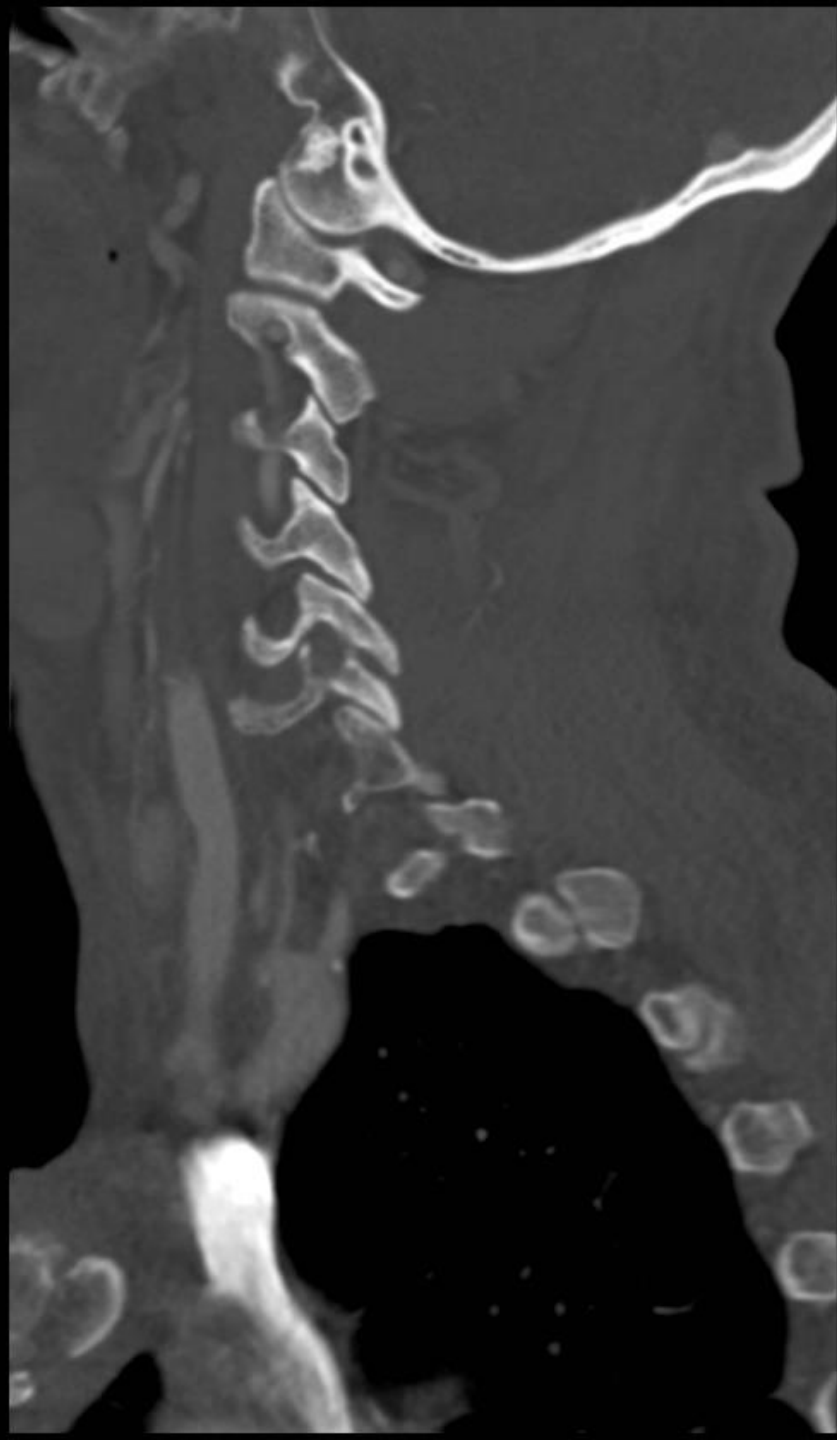


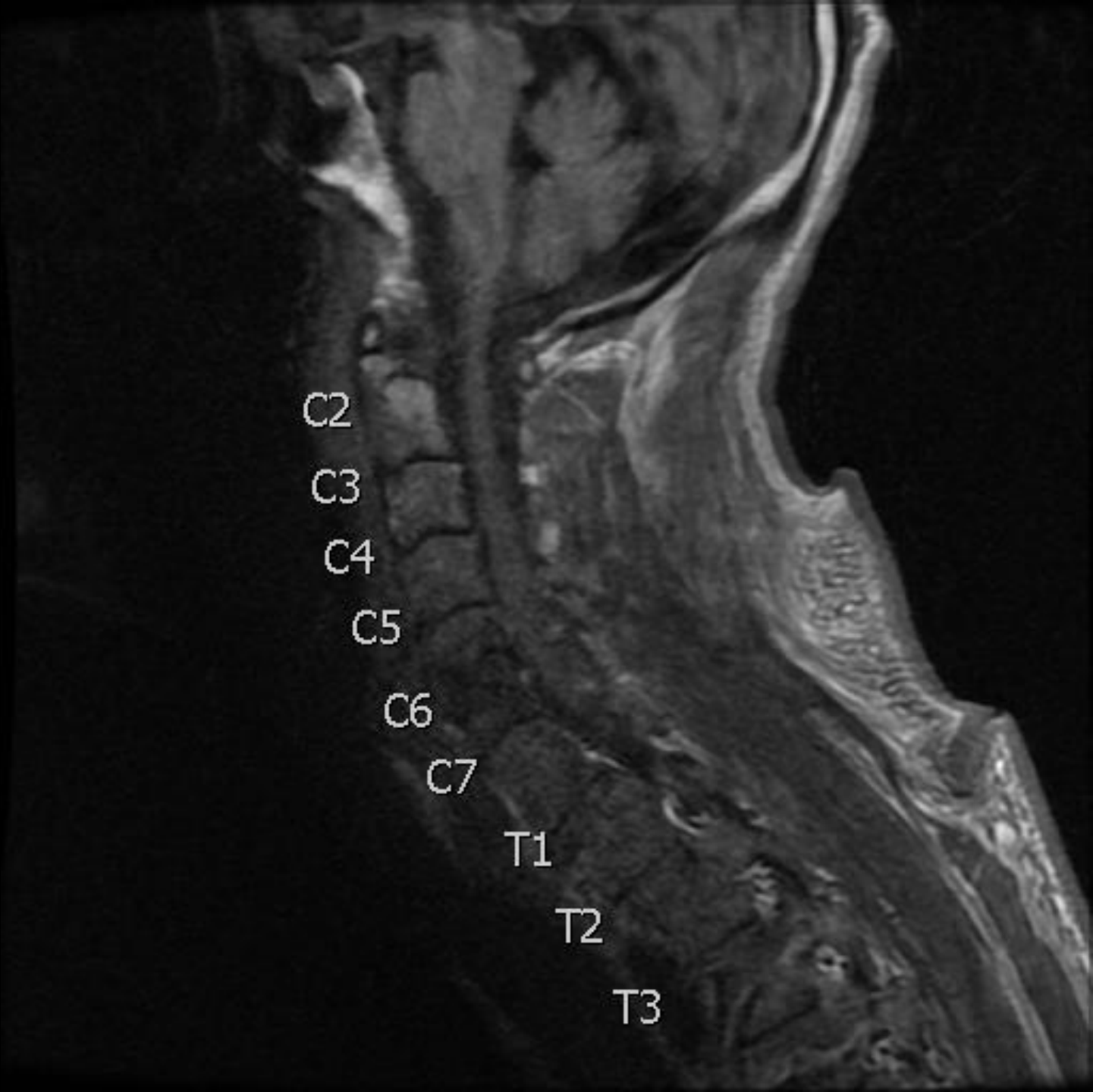












C2

C3

C4

C5

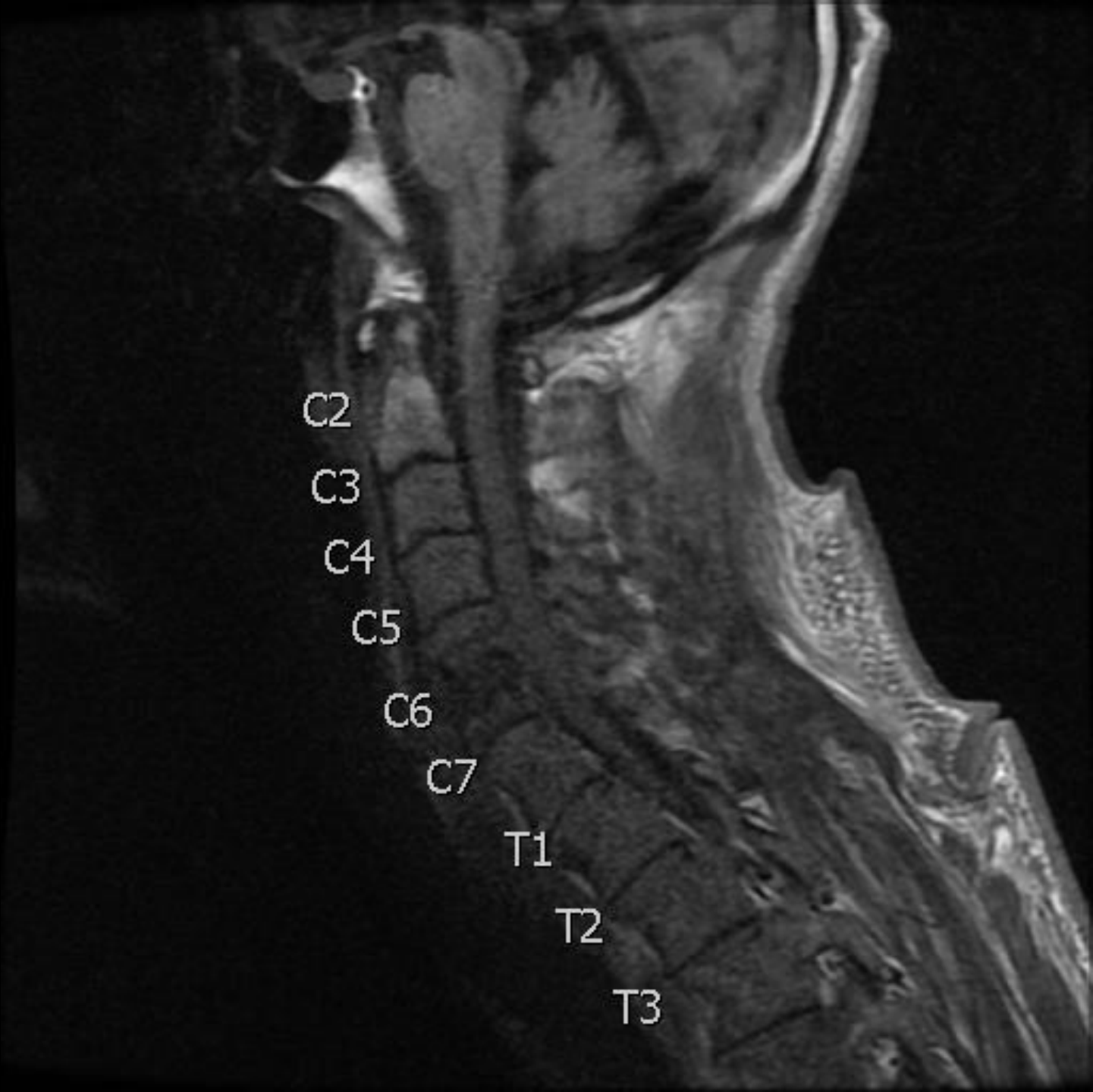
C6

C7

T1

T2

T3



C2

C3

C4

C5

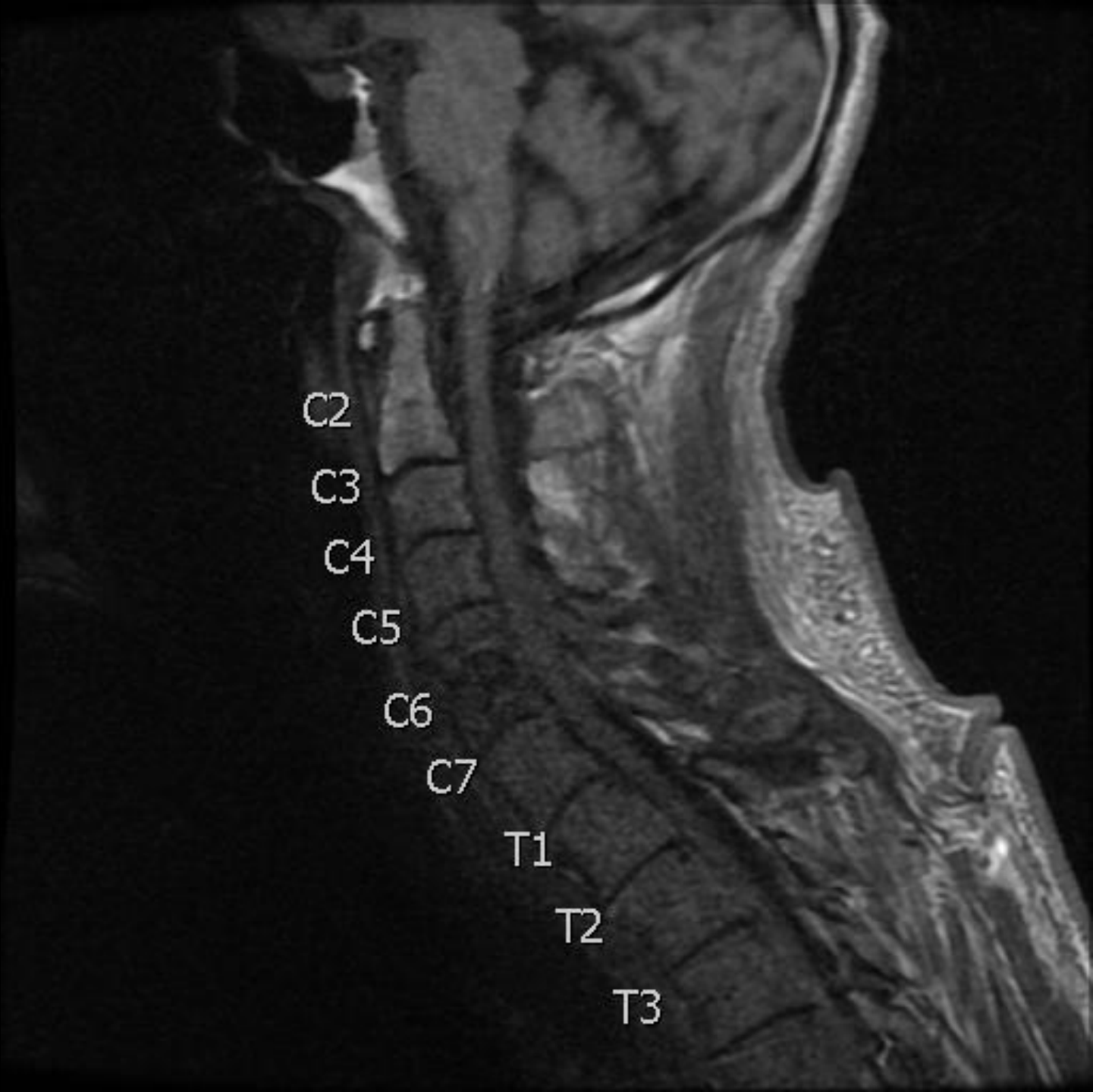
C6

C7

T1

T2

T3



C2

C3

C4

C5

C6

C7

T1

T2

T3



C2

C3

C4

C5

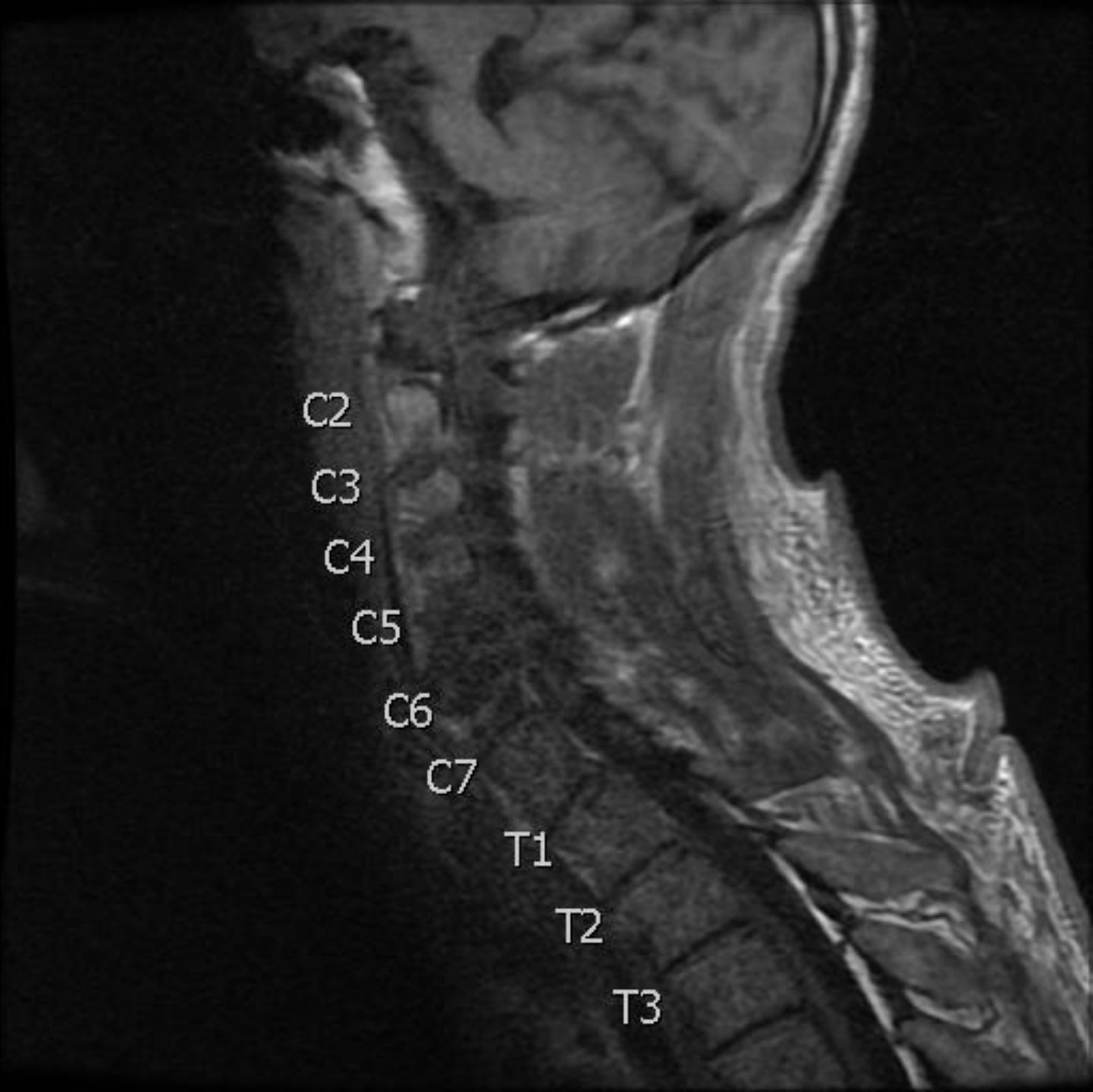
C6

C7

T1

T2

T3



C2

C3

C4

C5

C6

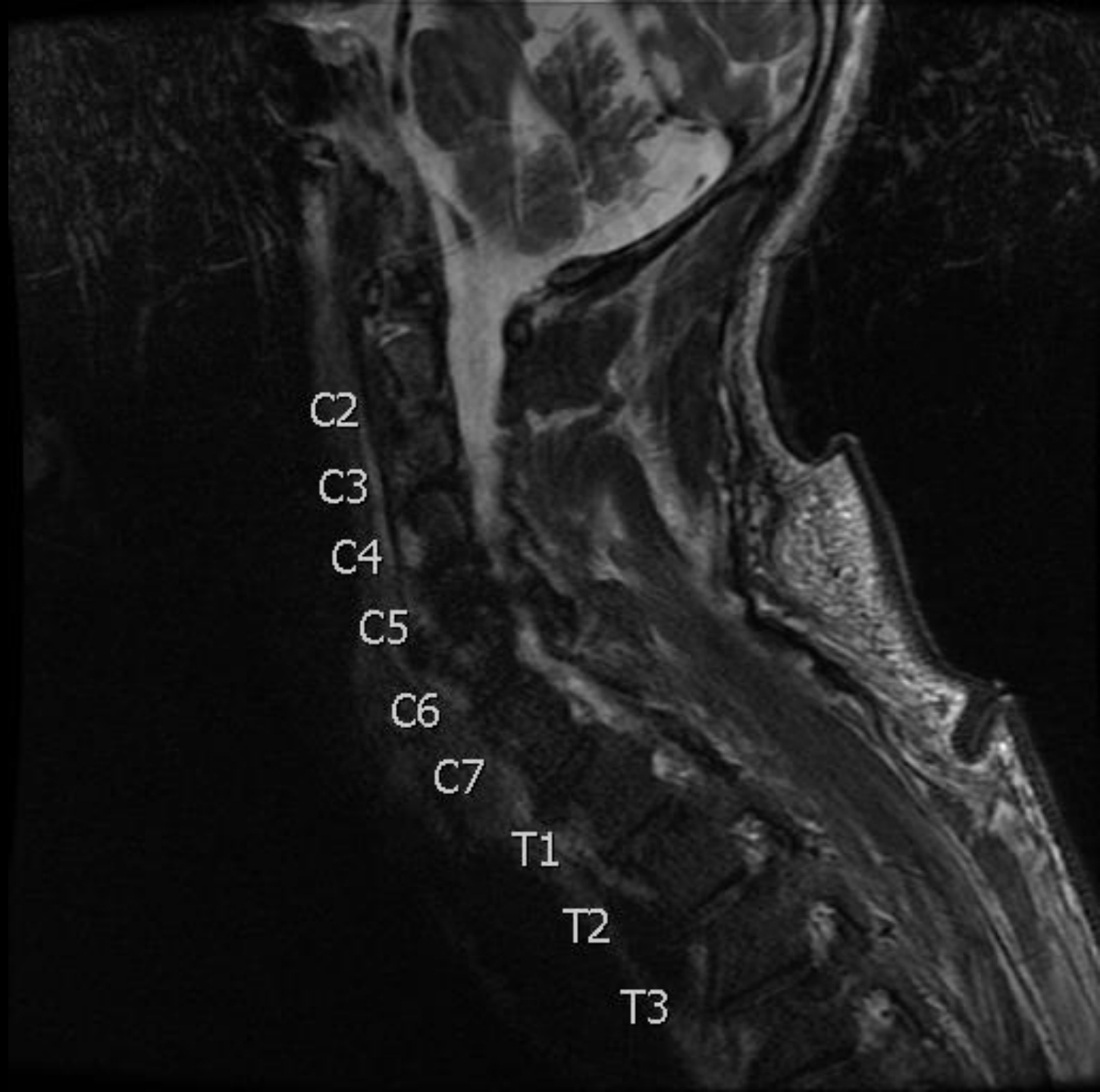
C7

T1

T2

T3





C2

C3

C4

C5

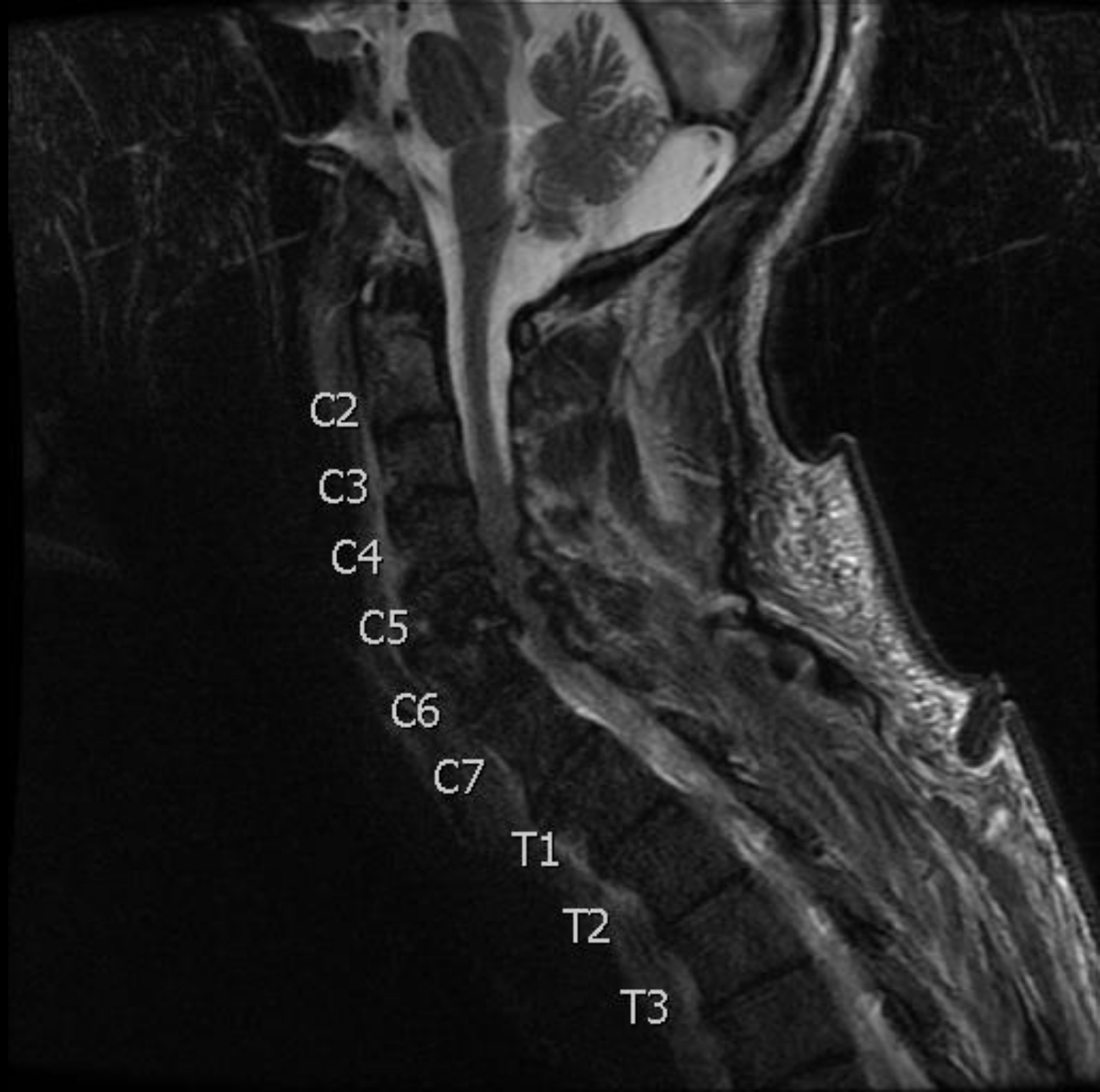
C6

C7

T1

T2

T3



C2

C3

C4

C5

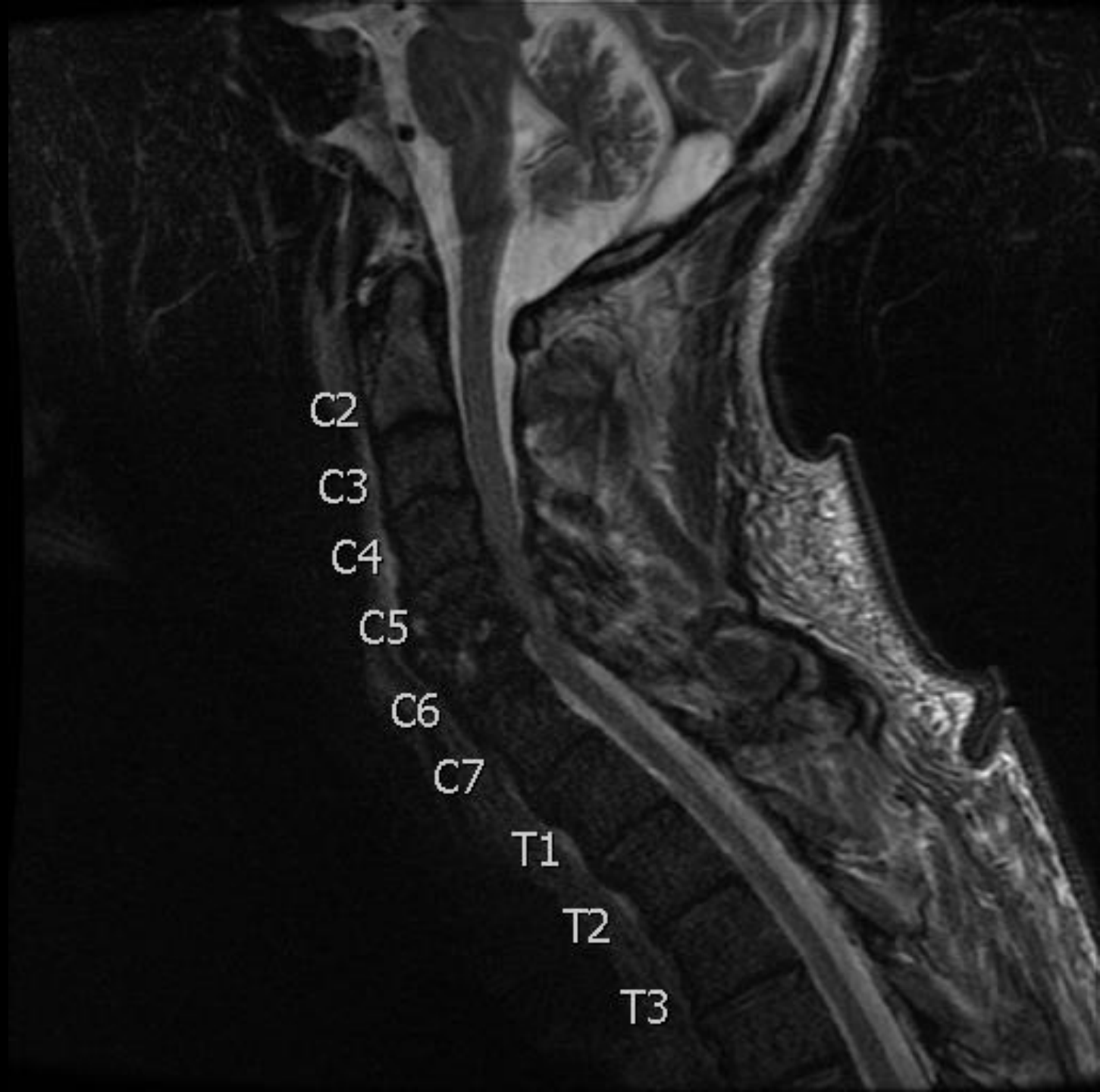
C6

C7

T1

T2

T3



C2

C3

C4

C5

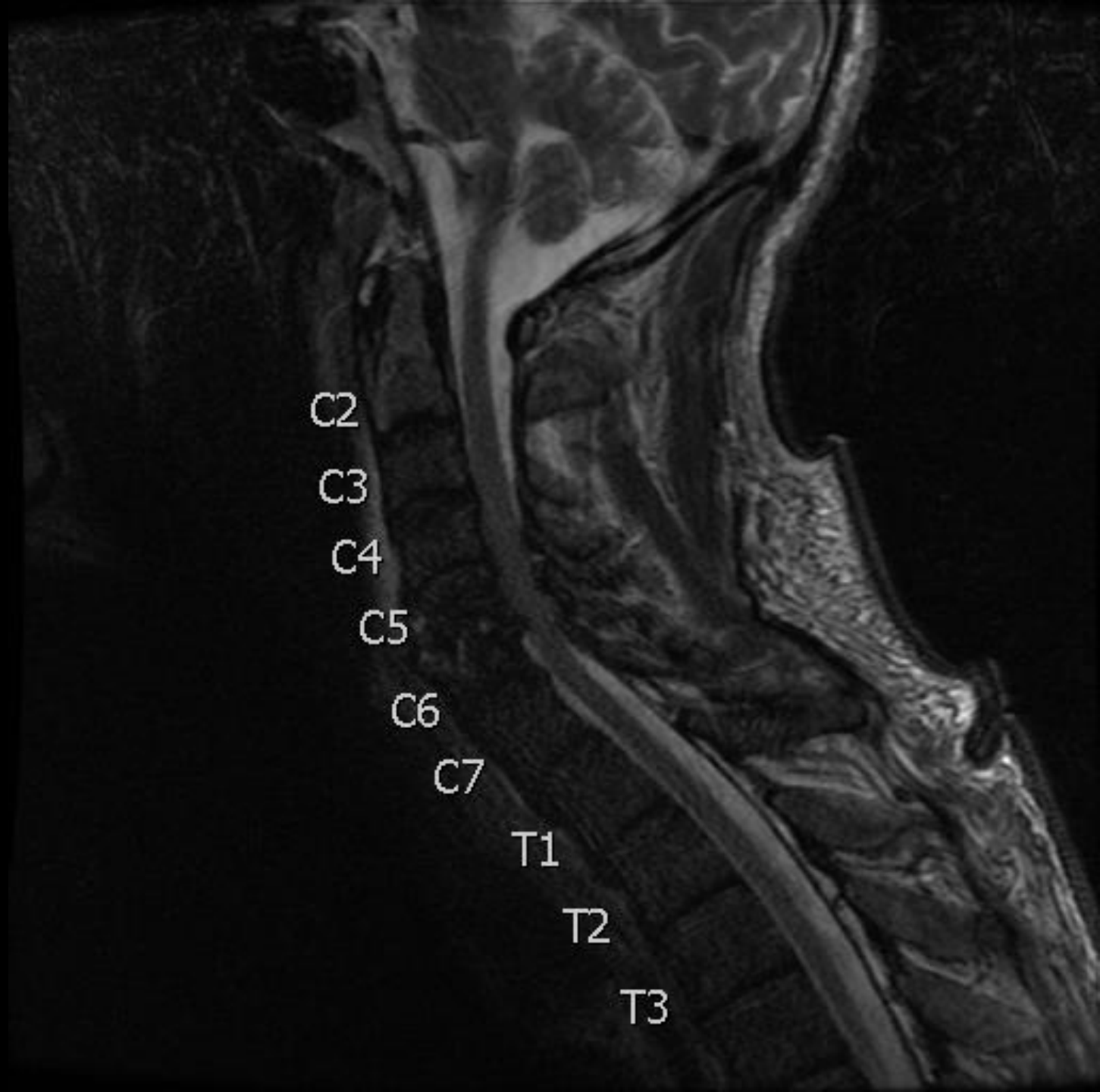
C6

C7

T1

T2

T3



C2

C3

C4

C5

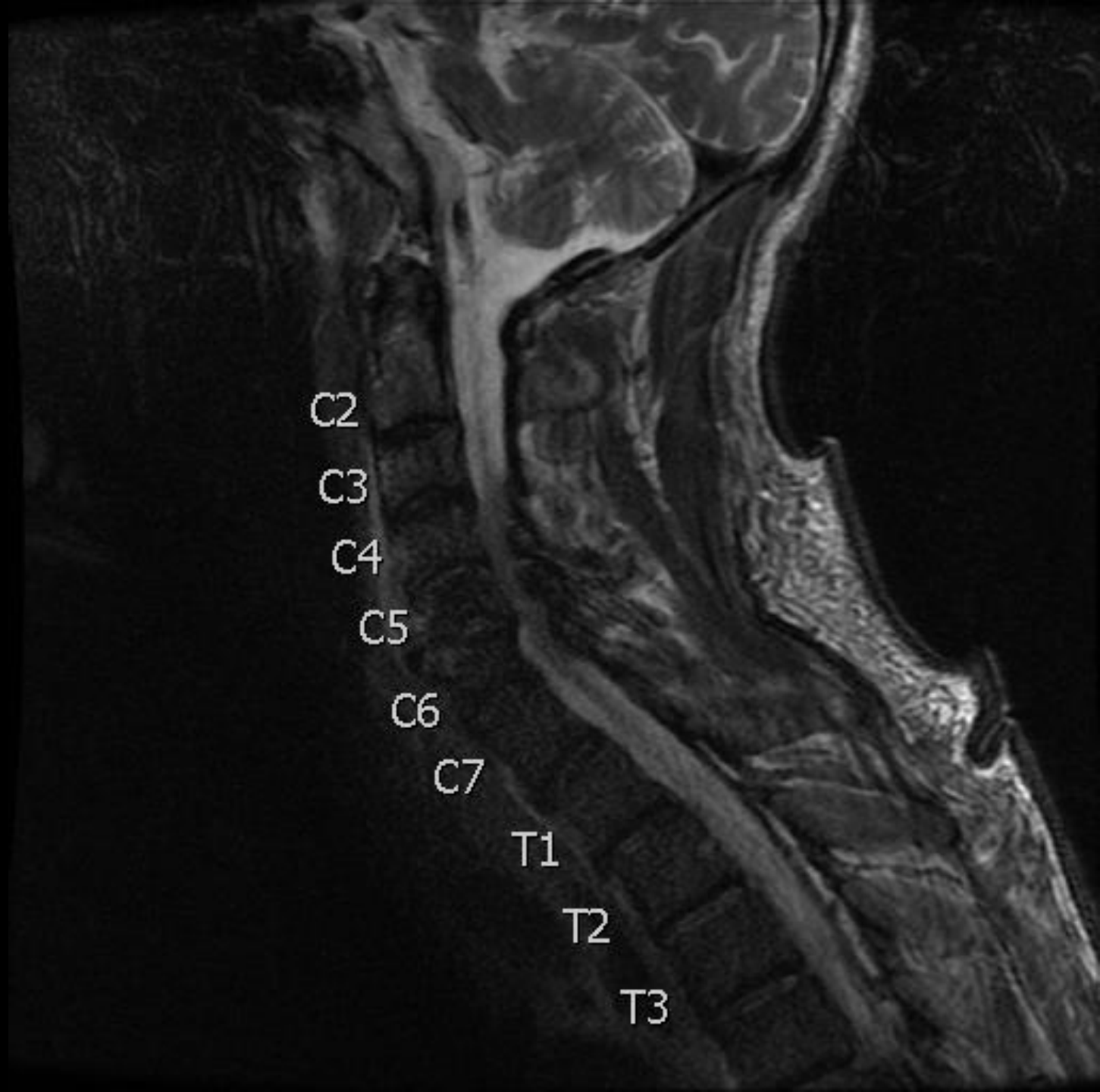
C6

C7

T1

T2

T3



C2

C3

C4

C5

C6

C7

T1

T2

T3



C2

C3

C4

C5

C6

C7

T1

T2

T3



LT/SN



OEI



# Destructive spondyloarthropathy

- Serious complication of chronic hemodialysis
- Vague clinical presentation with neck pain, back pain; however, the patients are commonly asymptomatic
- Amyloid deposits, composed of  $\beta_2$ -microglobulin, are the implicated cause
- Characterized by rapidly progressive radiographic abnormalities
- Predilection for the lower cervical spine, but can affect the thoracic and lumbar spine as well. Involvement of the craniocervical junction is rare



# Destructive spondyloarthropathy



Radiographic features:

- Narrowing or obliteration of the intervertebral disk space
- Erosion/resorption of subchondral bone in the opposing endplates of vertebral bodies
- Can have cystic lesions;
- Subchondral bone sclerosis
- Minimal osteophytosis

# Destructive spondyloarthropathy

- Differentiation of this disease process from infectious spondylitis/discitis can be difficult
- However, DS will typically exhibit both low T1 and T2 signal.
- Infectious processes have increased T2 signal  
Will typically
- However, a lot of literature does describe areas of increased T2 signal in cases of DS



# References

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4. Niebulski, Hannah Z., and Michael L. Richardson. "High-grade pronator teres tear in a cricket batsman." *Radiology Case Reports* 6.3 (2011): 540.