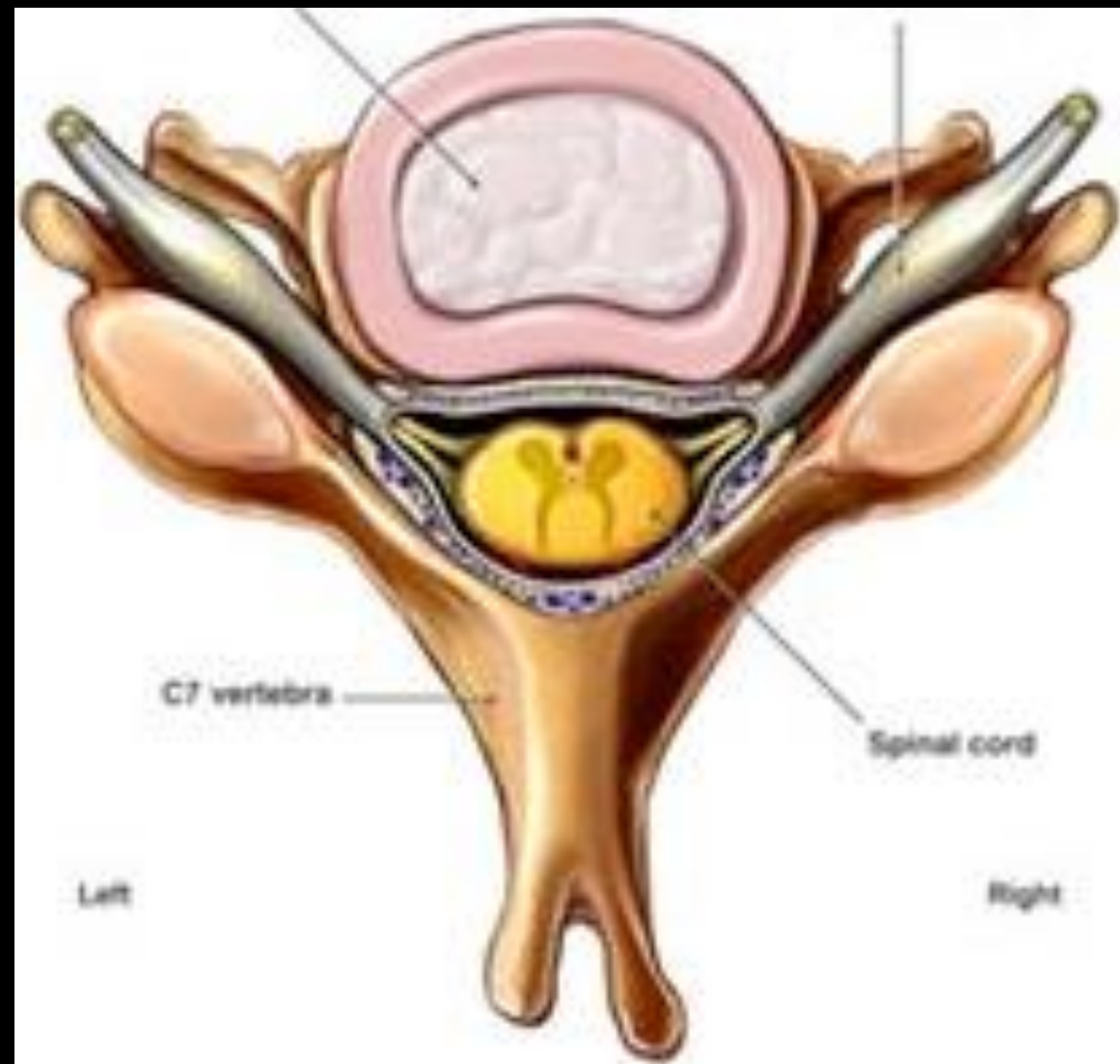
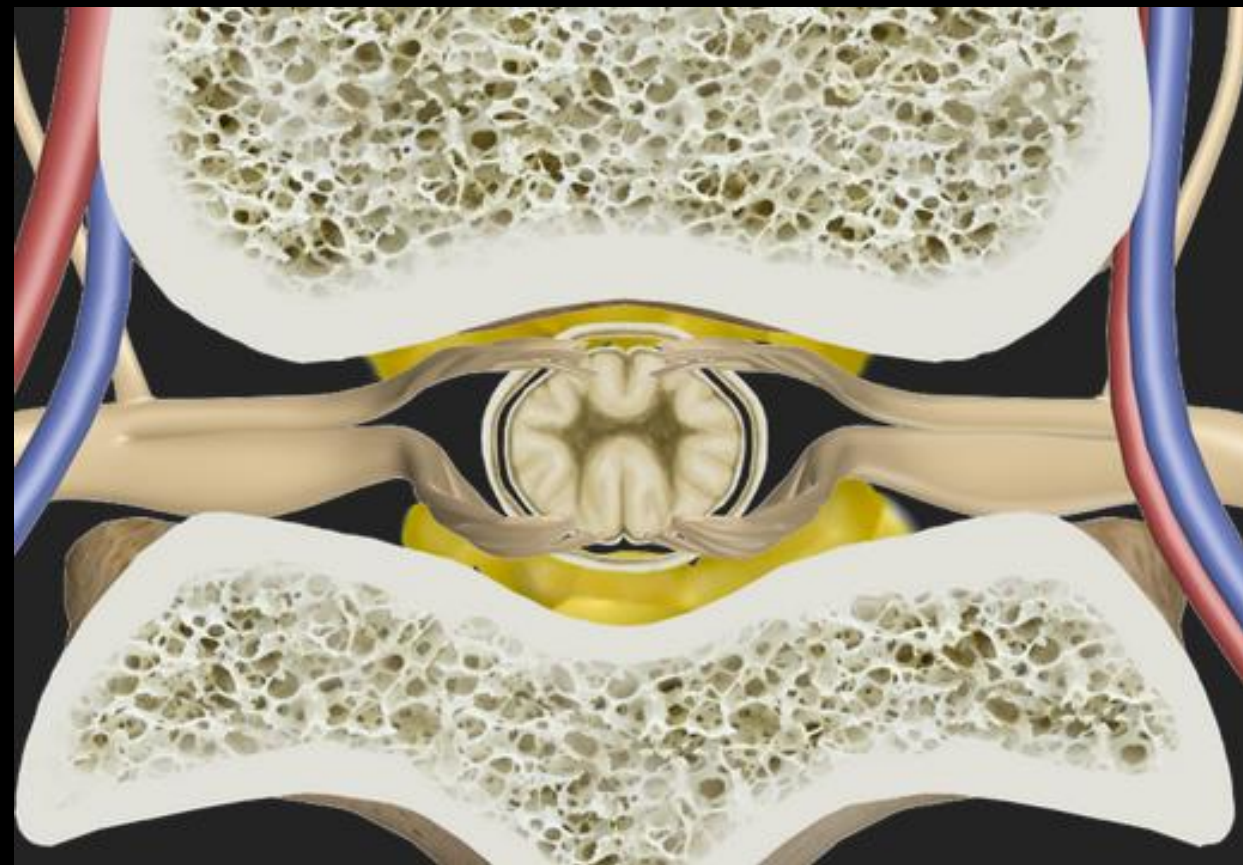
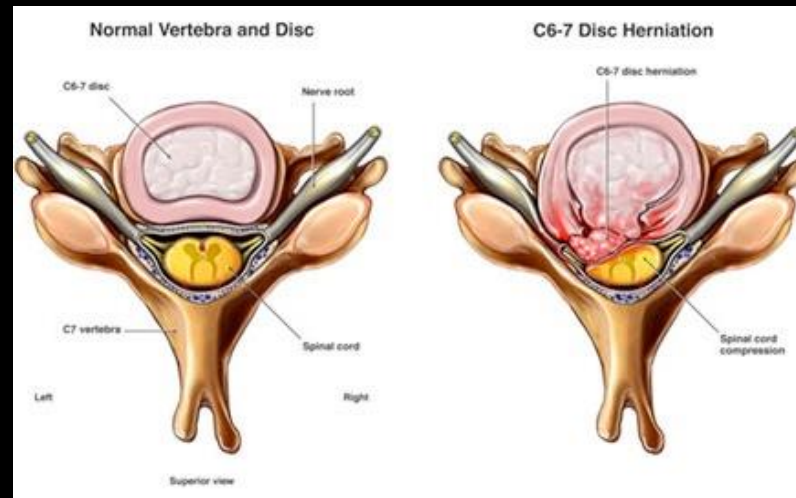
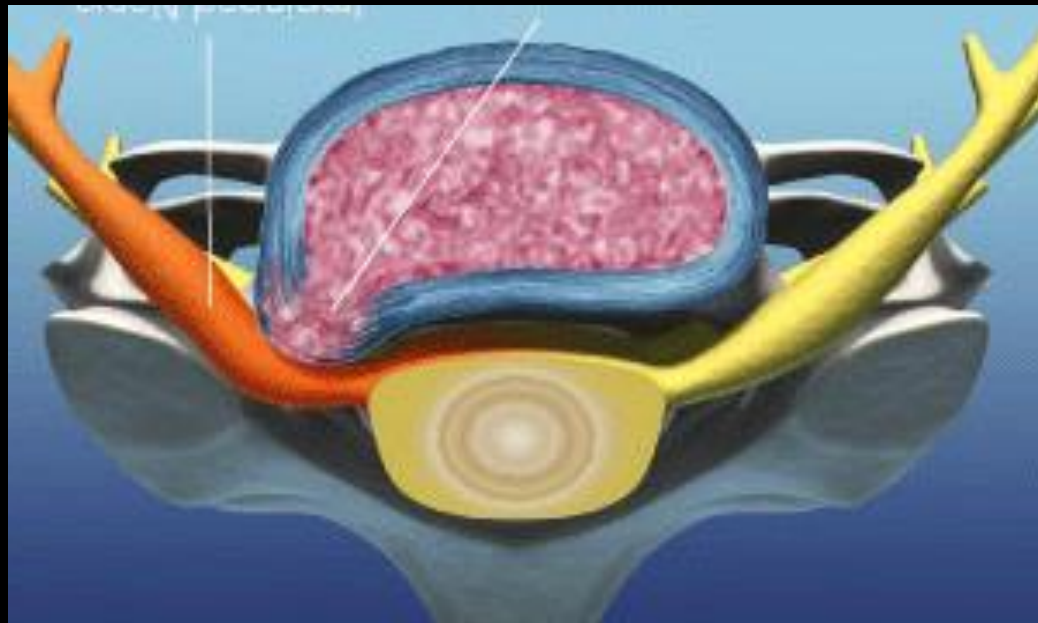


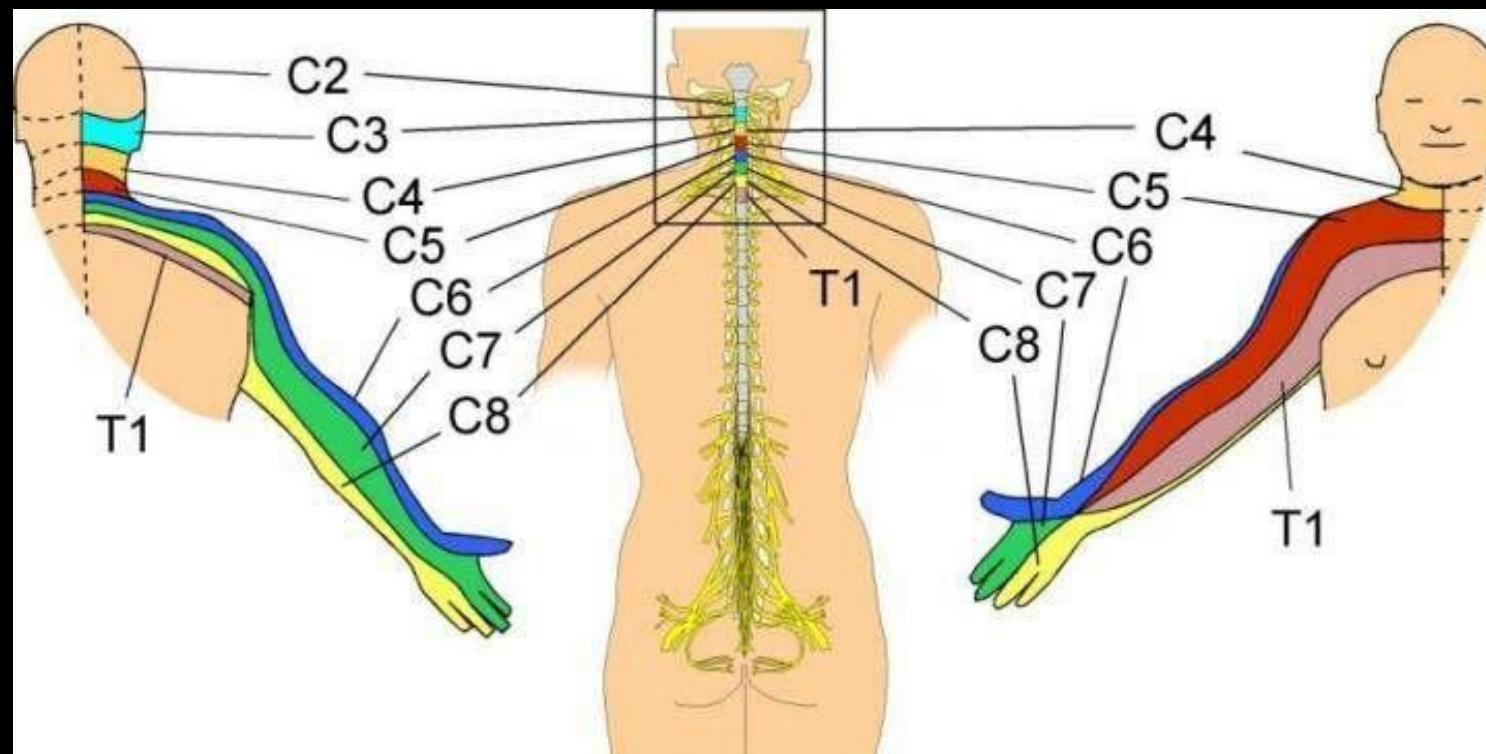
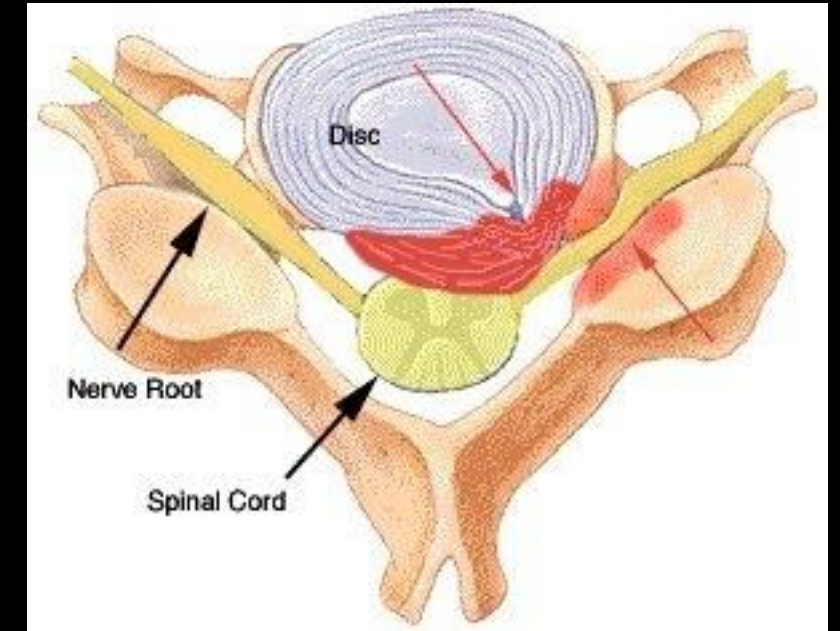
Normal Anatomy



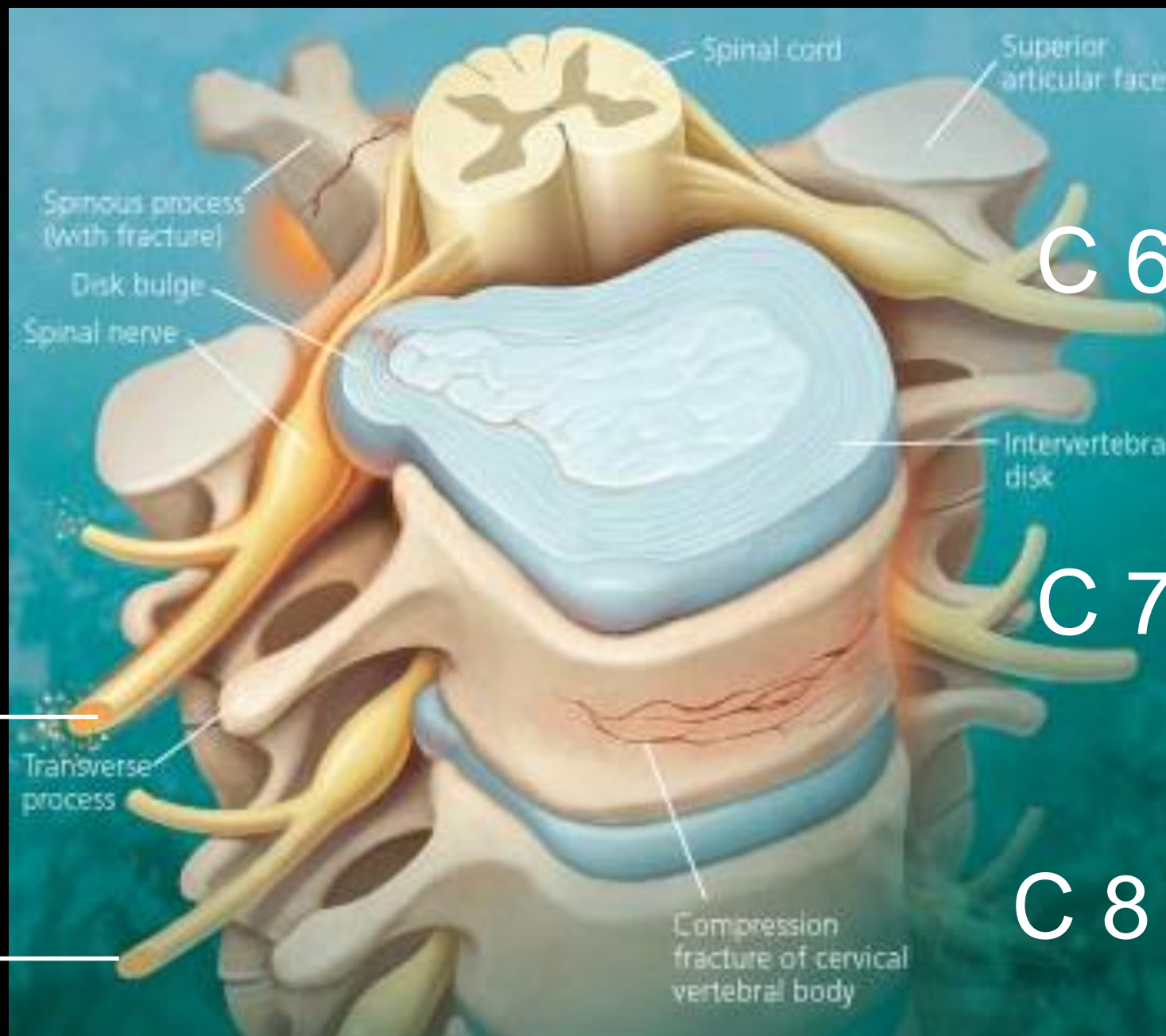
Right Disc



Left Disc

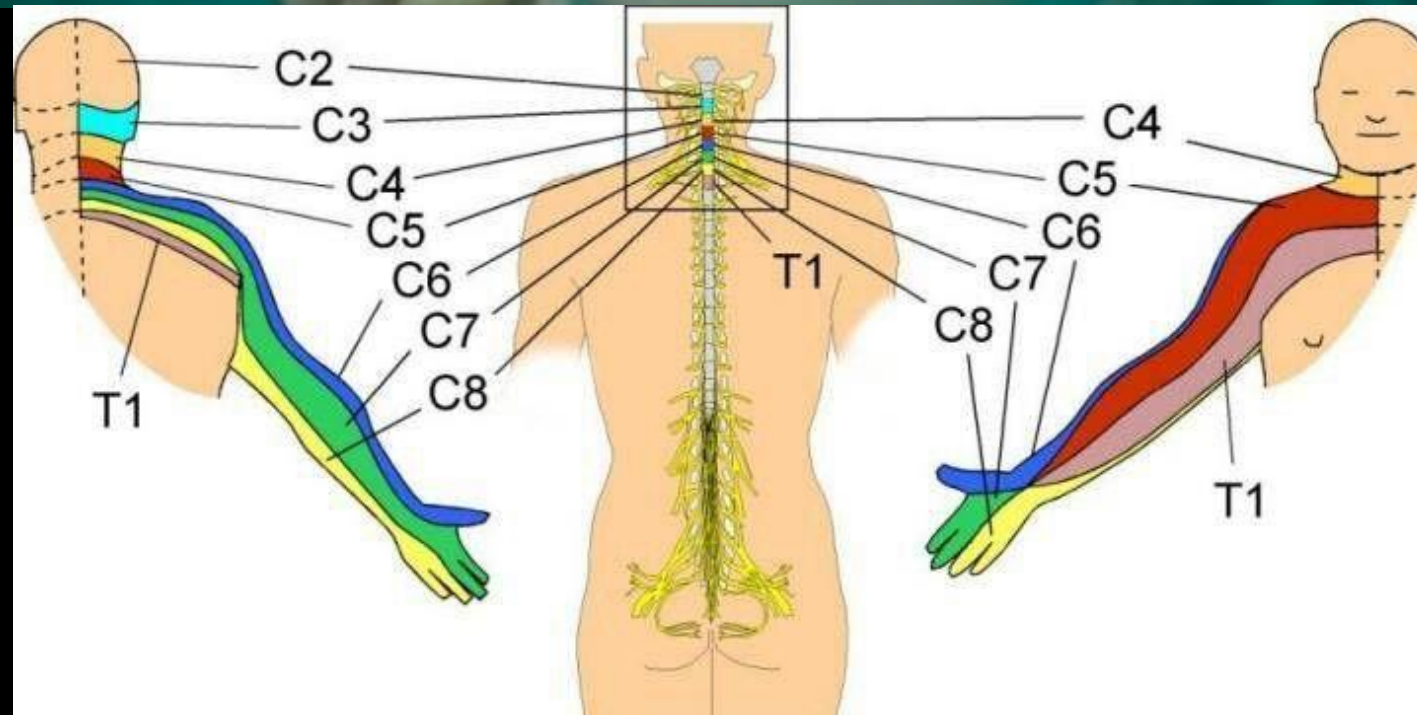


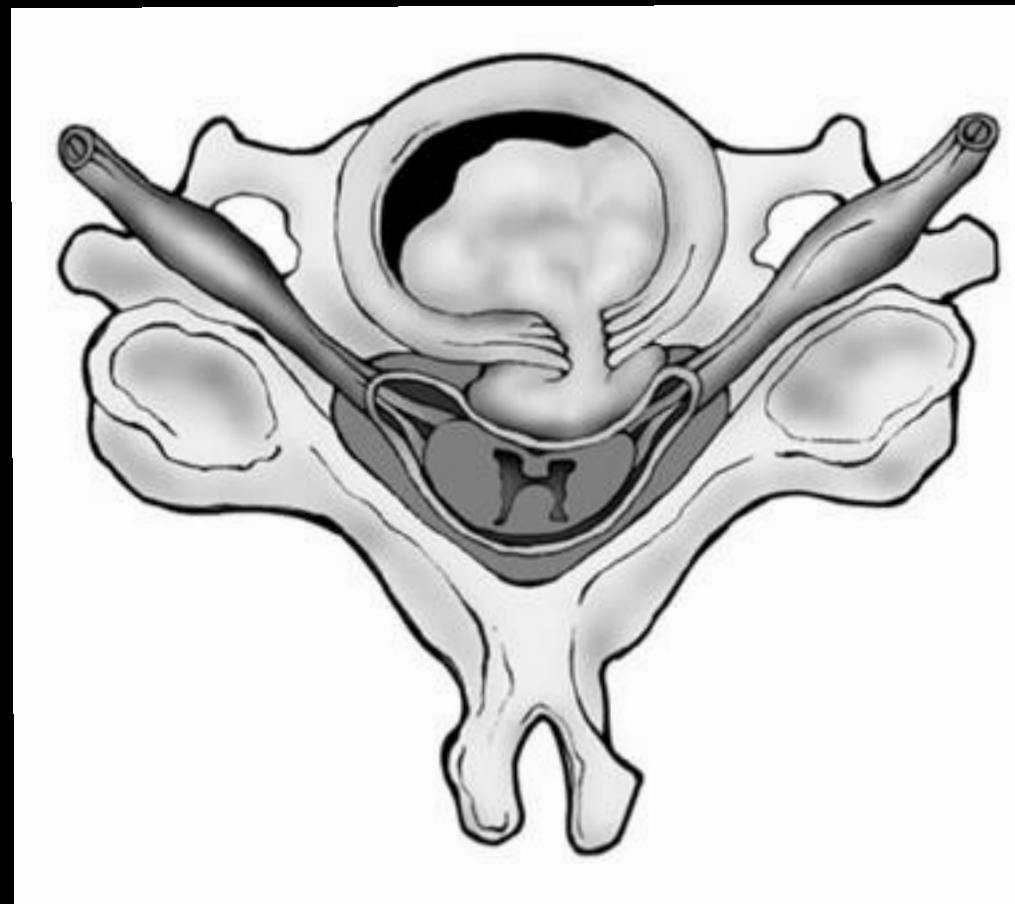
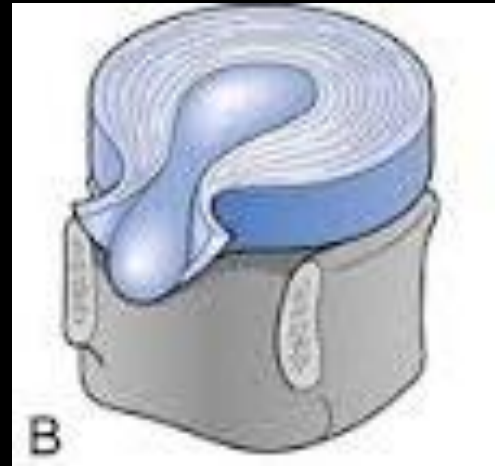
Right Disc Herniation



C 6

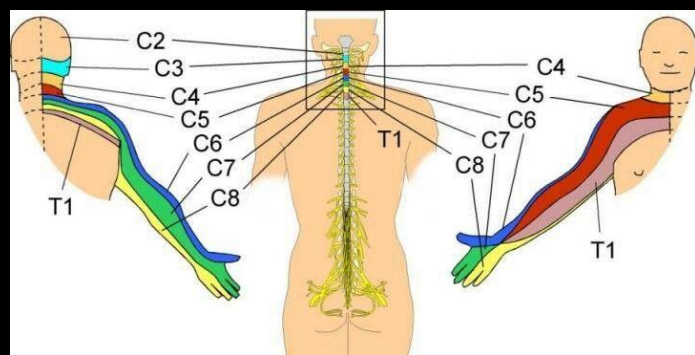
C 7



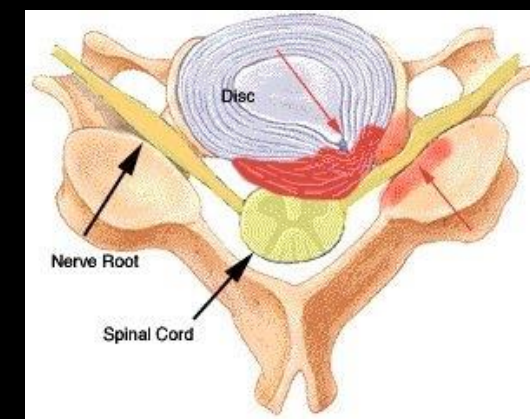
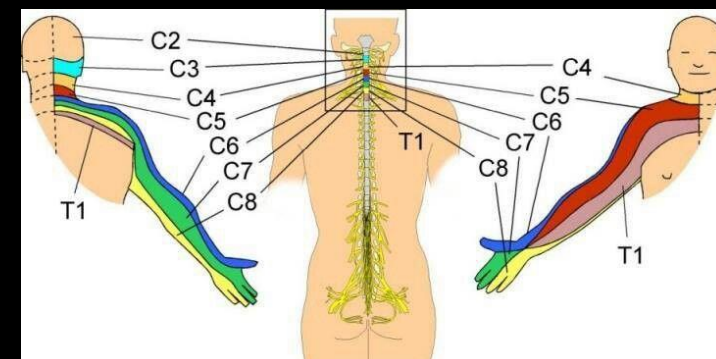
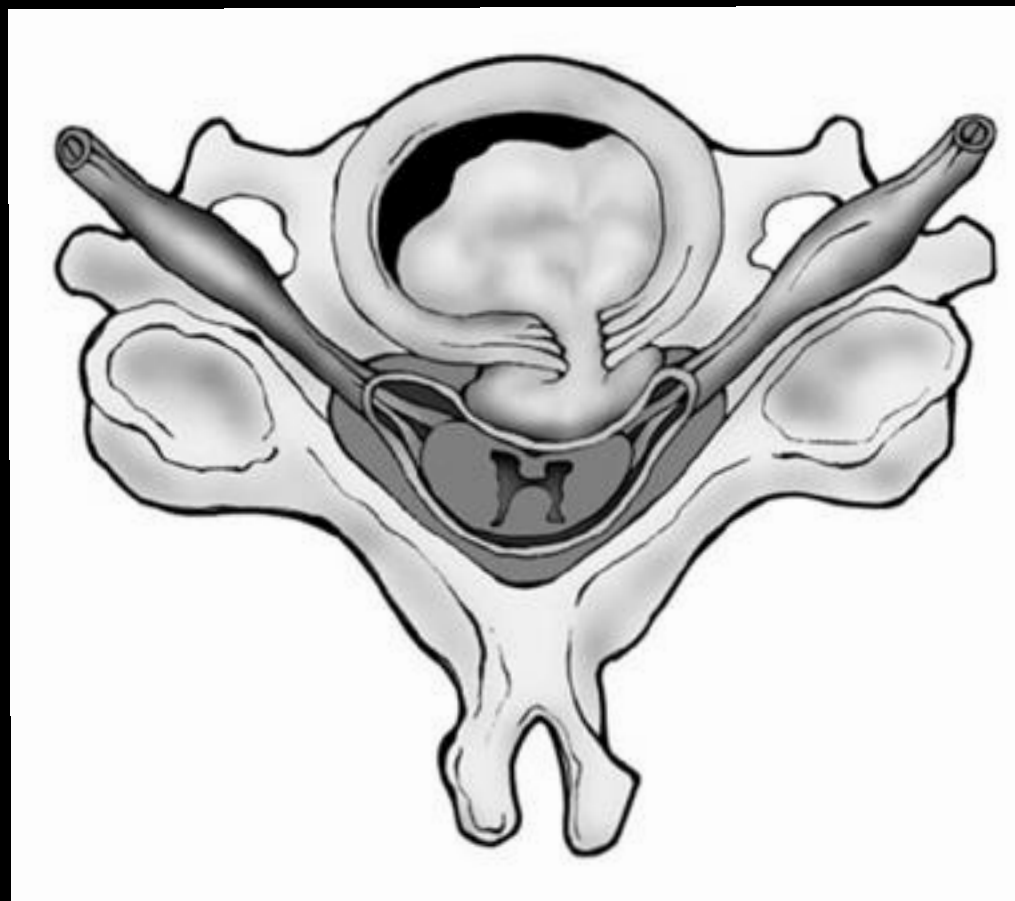


Central Disc

Symptoms



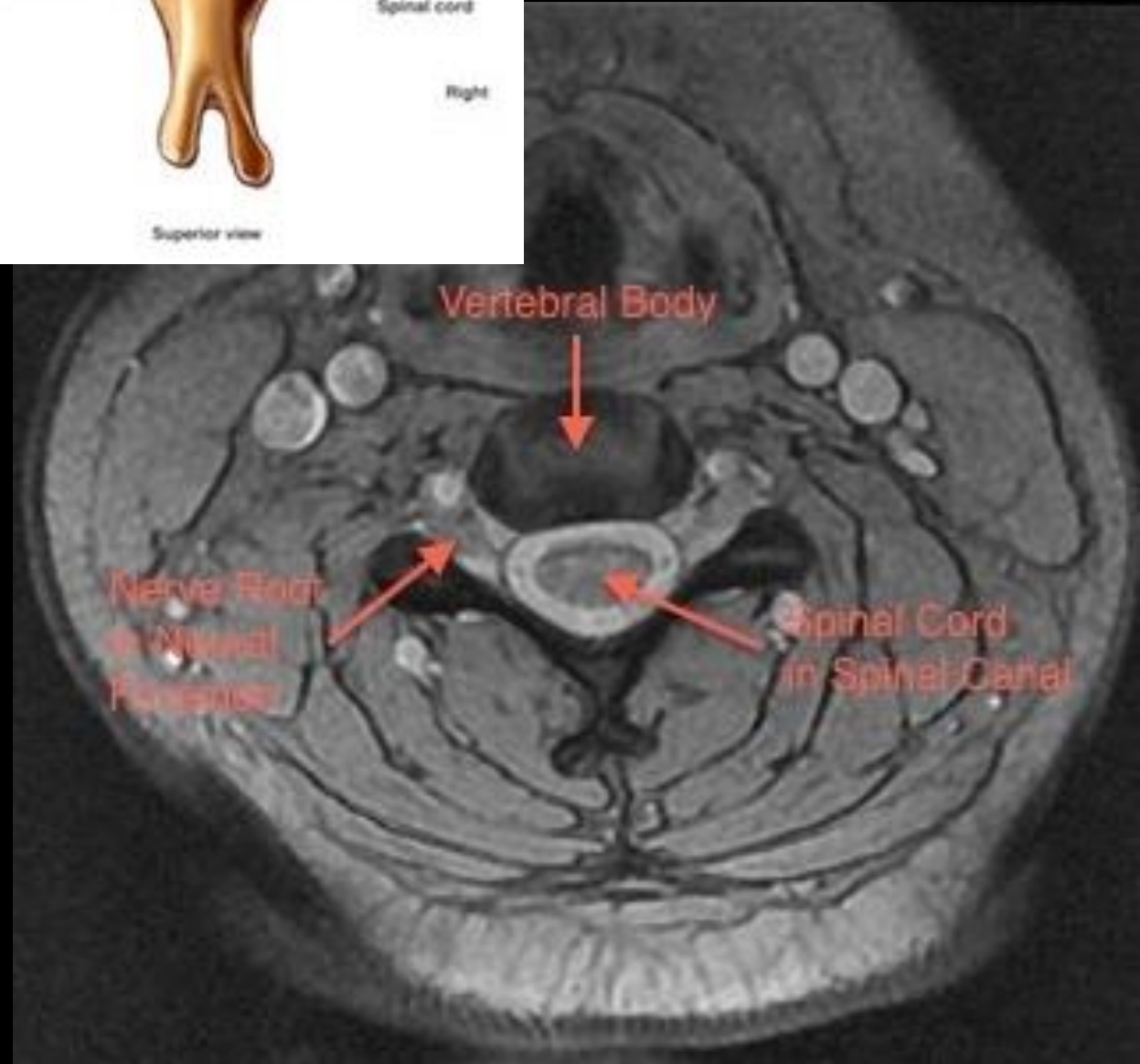
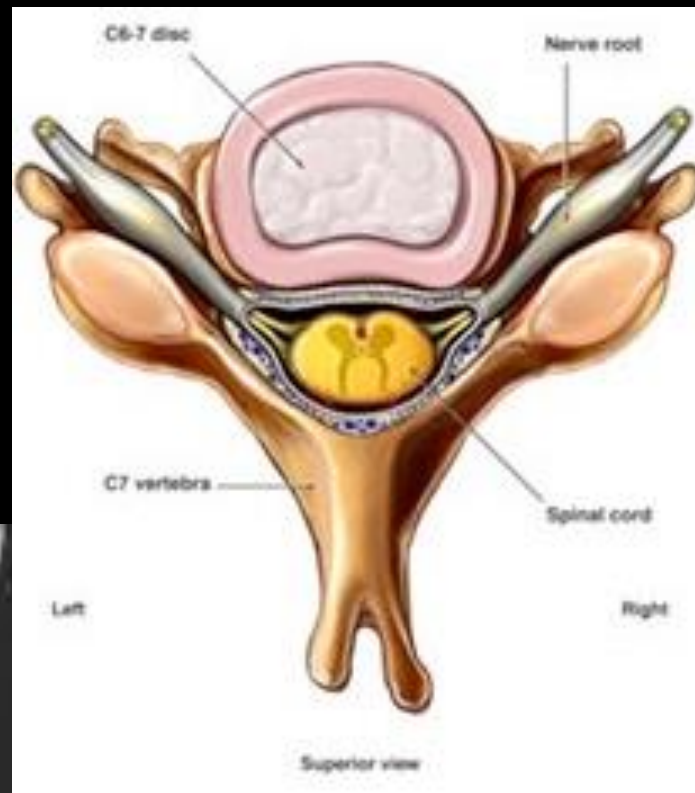
Pain in R arm



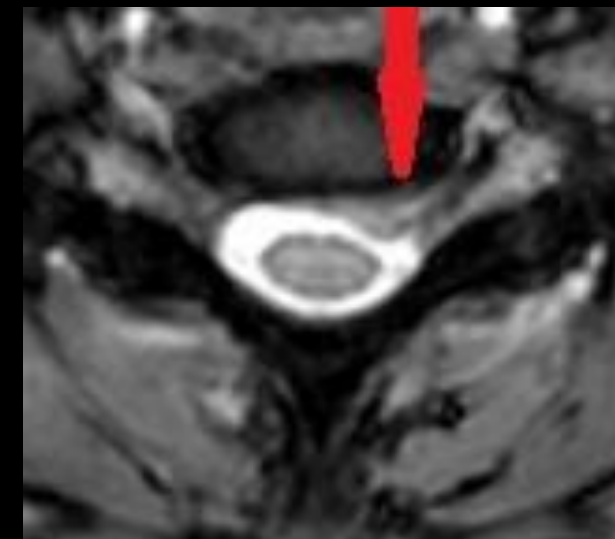
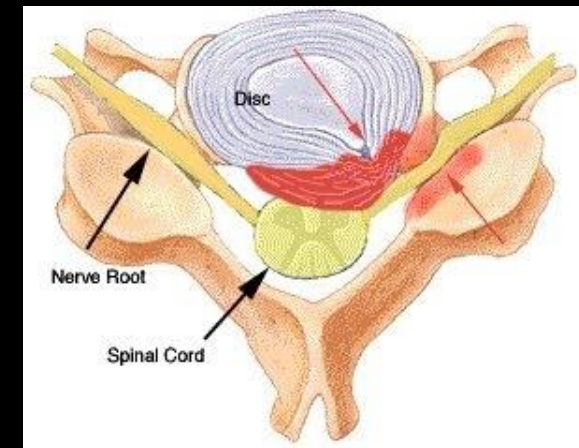
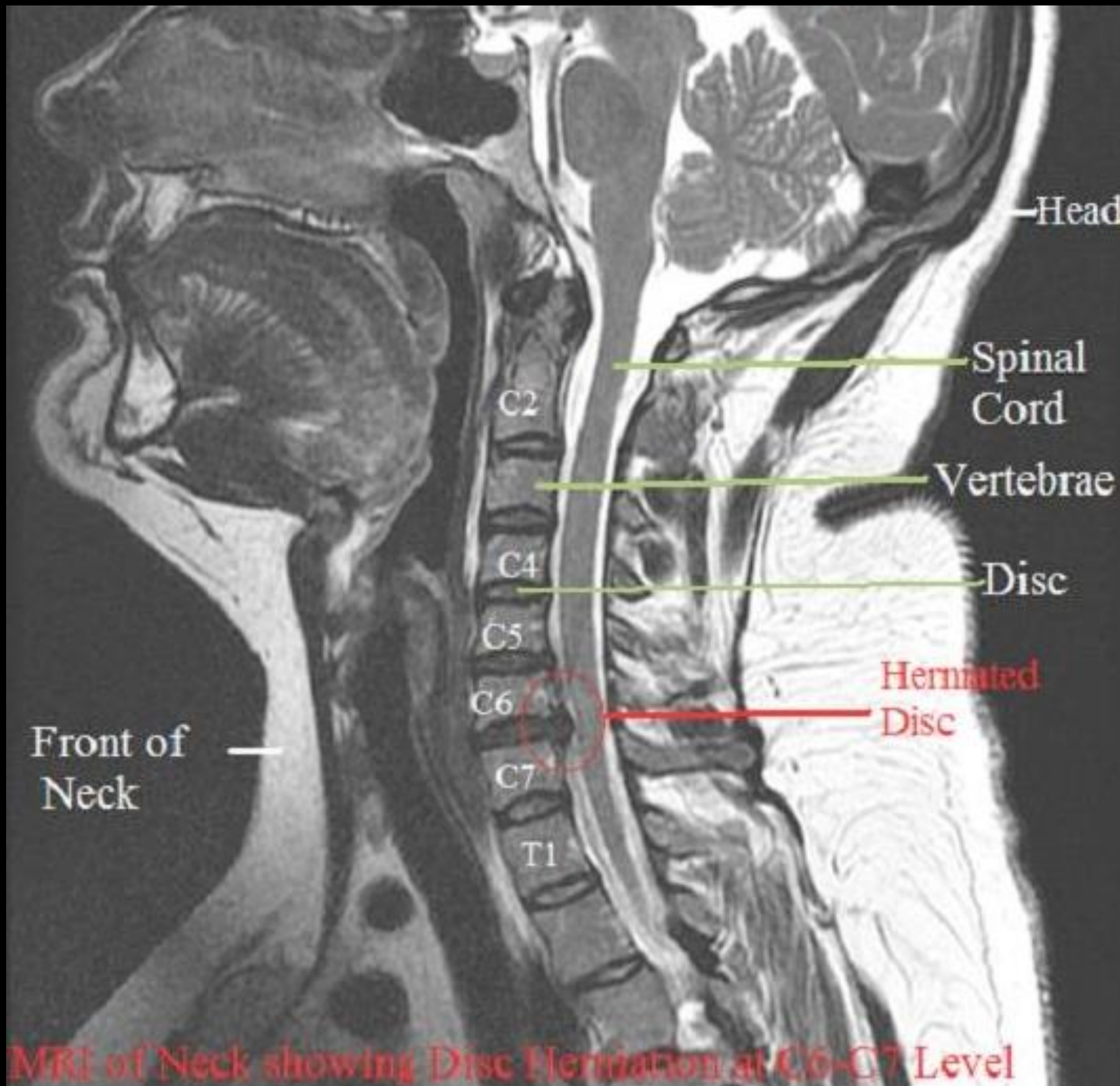
Pain in L arm

Problems with
spinal cord function
from this level on down to
legs

Normal MRI Scan



Disc Herniation on MRI



MRI of Neck showing Disc Herniation at C6-C7 Level

Normal



Dana Vogel

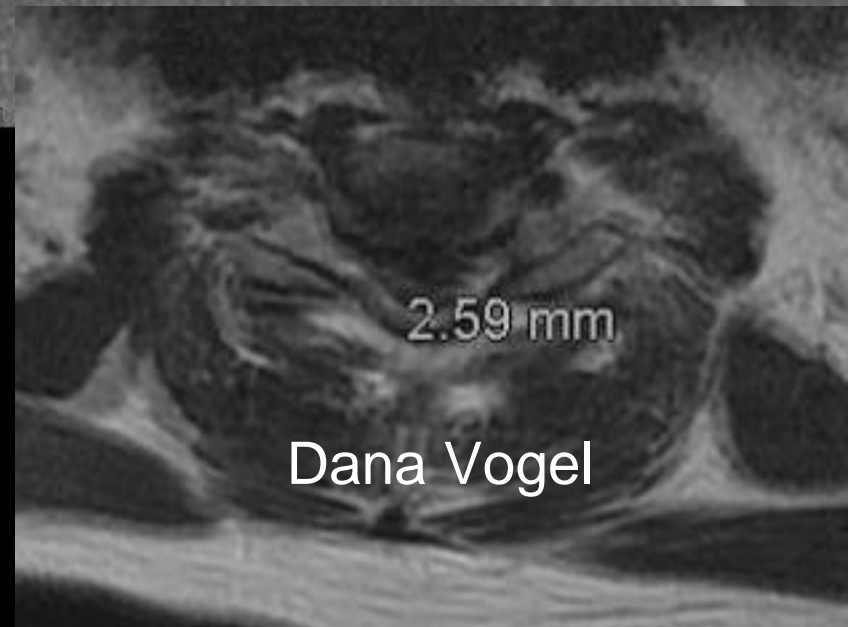


Normal

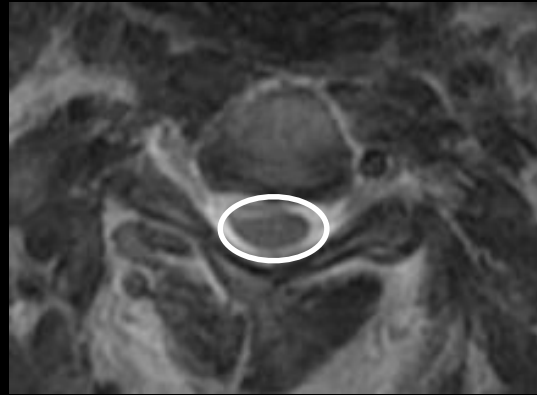


Normal Spinal Cord is 10mm

Dana Vogel



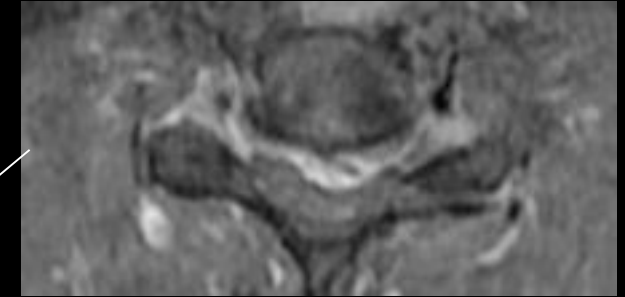
Dana Vogel



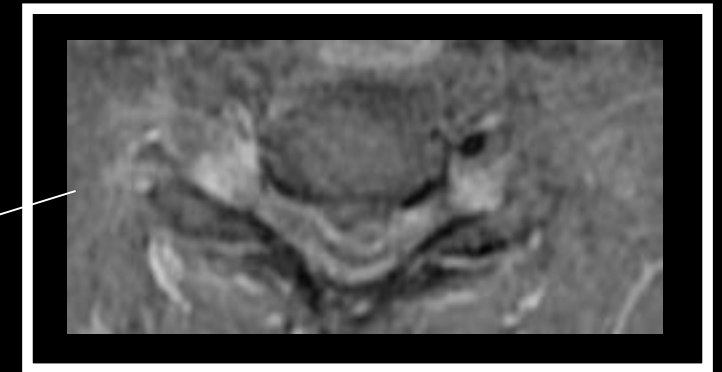
C3-4



C6-7



C6-7



C6-7



C6-7



Vogel, Data
#5 Mar-18-2013 09:08
AC: SLX HD011905
Sag T1 FSE
Sel: 4

St. Louis Regional Hospital
GIGNA EXITE GENCOEHC
HFS
512 x 612 x 16
++1

A

P

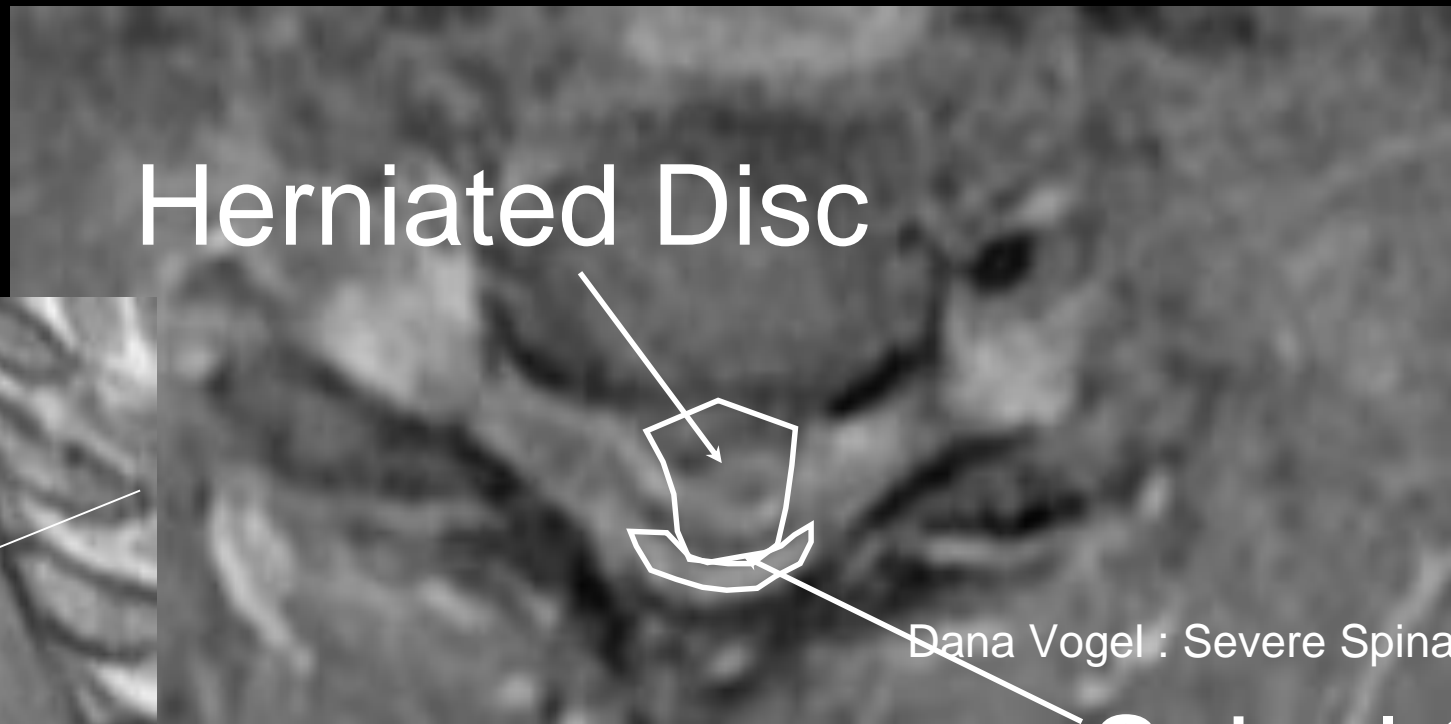
120 mm

20
Echo: 1
TR: 900.00
TE: 15.10
Slice: 3.00 Loc: 15.00

0.01027612
250x120
2700
1000
0000
0000
1.00
1.00
1.00
1.00

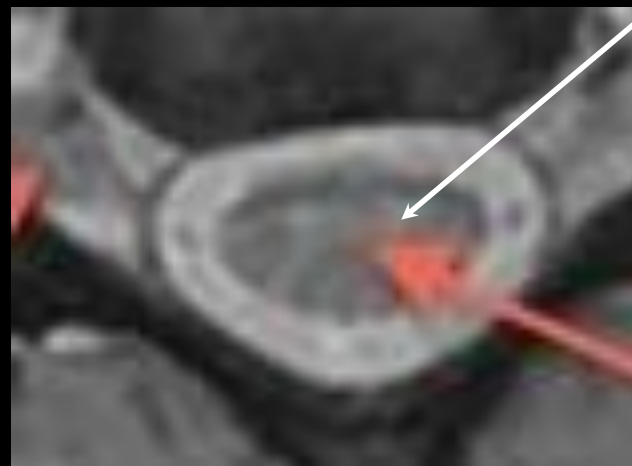
Dana Vogel C6-7

Herniated Disc



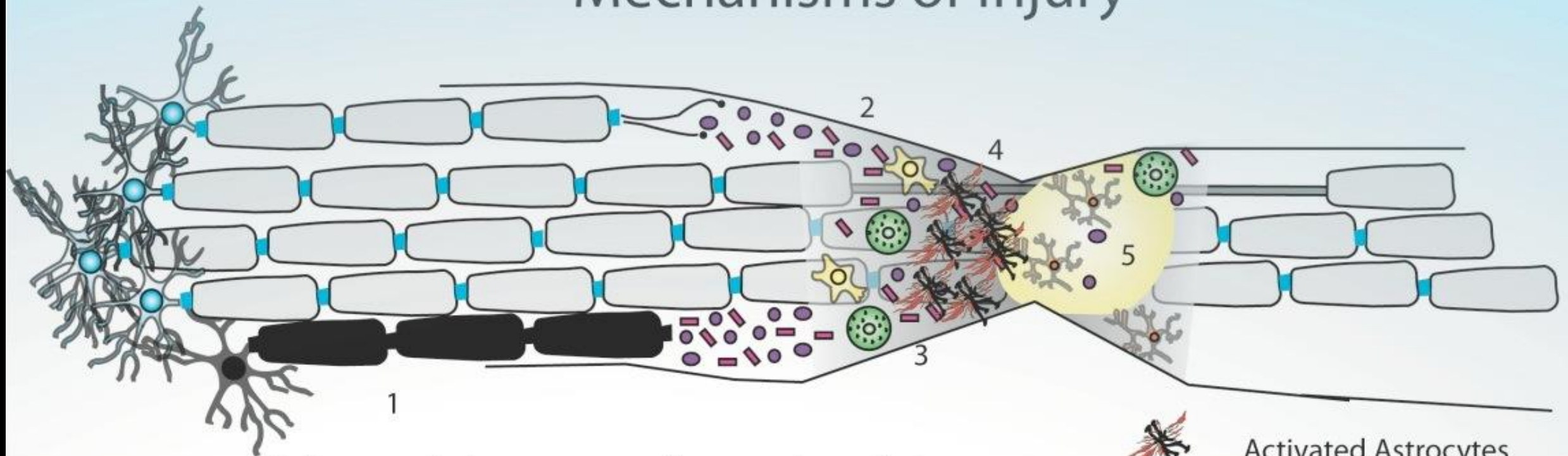
Dana Vogel : Severe Spinal Cord Compression

Spinal Cord



Normal

Mechanisms of Injury

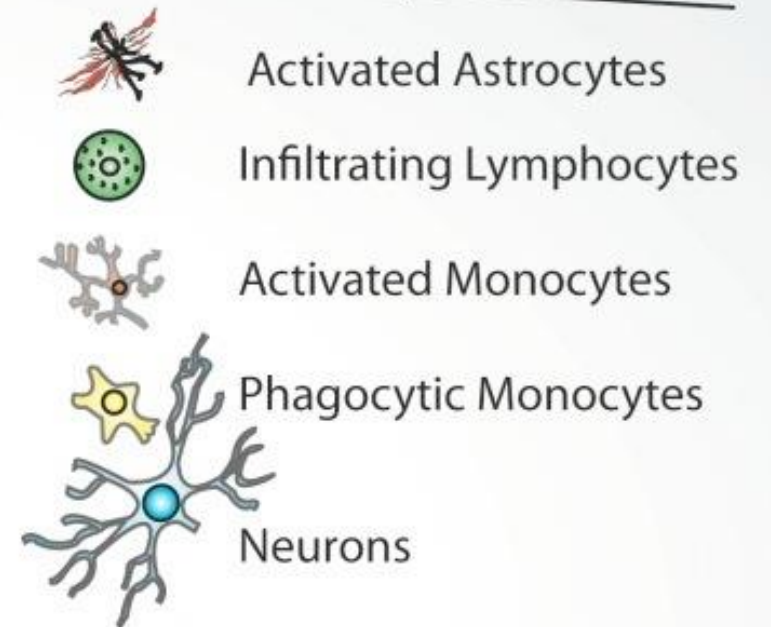


Primary Injury

- 1 - Loss of Neurons/Axons
- 2 - Demyelination

Secondary Injury

- 1 - Loss of Neurons/Axons
- 2 - Demyelination
- 3 - Inflammation
- 4 - Reactive Oxidative Damage and the Astrocytic Glial Scar
- 5 - Cyst Formation



Anterior Cervical Discectomy and Fusion

