



SONOTECH

MEDICAL & DIAGNOSTIC CENTER

Patient Name : **SETH AFFAYEN**

DOB/Age : - 42 years (Male)

Referral : Dr. RAPHAEL

Report ID : 21855

Sample Date : 31 May, 2022, 02:50 p.m.

Report Date : 31 May, 2022, 09:50 p.m.

MRI CERVICAL SPINE

TECHNIQUE: Serial MR images of the cervical and upper thoracic spine.

FINDINGS:

There is loss of the normal cervical lordosis with maximal curvature at the level of C5/ C6 vertebral levels. There is a compression fracture involving C5 vertebra with reduction in its height. Noted is a wedged shaped fractured segment involving the posterior vertebral body of C5, near obliteration of the C5/C6 disc space and disruption of the anterior longitudinal ligament. There is associated retropulsion of the C6 vertebral body and the fractured bone fragment into the spinal canal causing significant compression and buckling of the cervical cord. The spinal cord is swollen and appears hyperintense on T2/STIR spanning from the level of the junction of the medulla oblongata and spinal cord to C6/C7 intervertebral disc. Small low signal T1 hypointensity is seen within the cord above and below the level of compression.

Prevertebral soft tissue is widened is seen suggesting acute inflammatory changes. The posterior soft tissues also show inflammatory changes.

Also visualised is a fracture of the C5 spinous process.

The demonstrated vertebral bodies show marginal osteophytes

The remaining intervertebral discs show early degenerative changes without reduction in height.

C2/C3 LEVEL -the spinal canal, neural foramina and facet joints are normal

C3/C4 LEVEL -disc osteophyte complex causing mild spinal canal narrowing with cord compression [due to swelling of the spinal cord]. The neural foramina and facet joints are normal.

Scan to
validate





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C4/C5 LEVEL -the spinal canal, neural foramina and facet joints are normal

C5/C6 LEVEL -posterior wedge fracture of the C5 vertebral body with retropulsion of this fragment and the C6 vertebral body into the spinal canal causing spinal cord compression. Bilateral facet joint dislocation seen. The neural foramina are narrowed with compression of the nerve roots bilaterally.

C6/C7 LEVEL -the spinal canal, neural foramina and facet joints are normal

C7/T1 LEVEL -the spinal canal, neural foramina and facet joints are normal

IMPRESSION:

1. Posterior wedge fracture of the C5 vertebral body with retropulsion of this fragment and the C6 vertebral body into the spinal canal causing spinal cord compression with resultant cord swelling signal change consistent with spinal cord contusion spanning from the junction medulla oblongata to the level of C6/C7 intervertebral disc.
2. Fracture of the spinus process of C5 vertebra.

CT scan recommended to evaluate the bony cervical spine.

****END OF REPORT****

DR. OPPONG-ANANE

(SPECIALIST RADIOLOGIST)

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