

# MRI SPINE EMERGENCY REPORT



**Name:** SCOTCH

**Pet species:** canine

**Breed:** Beagle

**Age:** 5 Years

**Weight:** 18.7 kg

**Date of study:** 16-6-2025

**Date of report:** 16-6-2025

**Referred by:** Dr. Mohamed Moustafa / Dr. Paws Animal Hospital

## Technique:

- ❖ Sagittal (T1W, T2W, STIR), dorsal (T2W), and axial (T2W, T1W) of cervical spine were obtained.

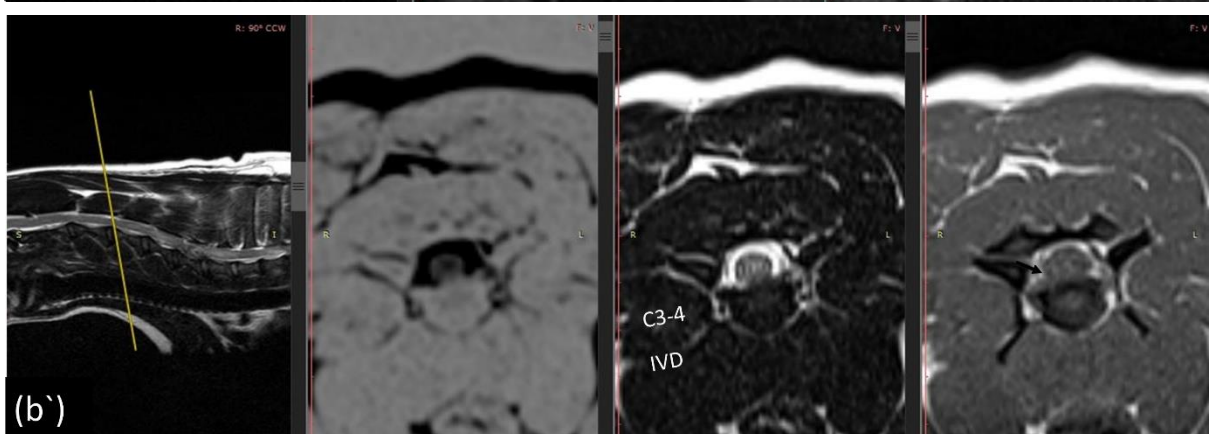
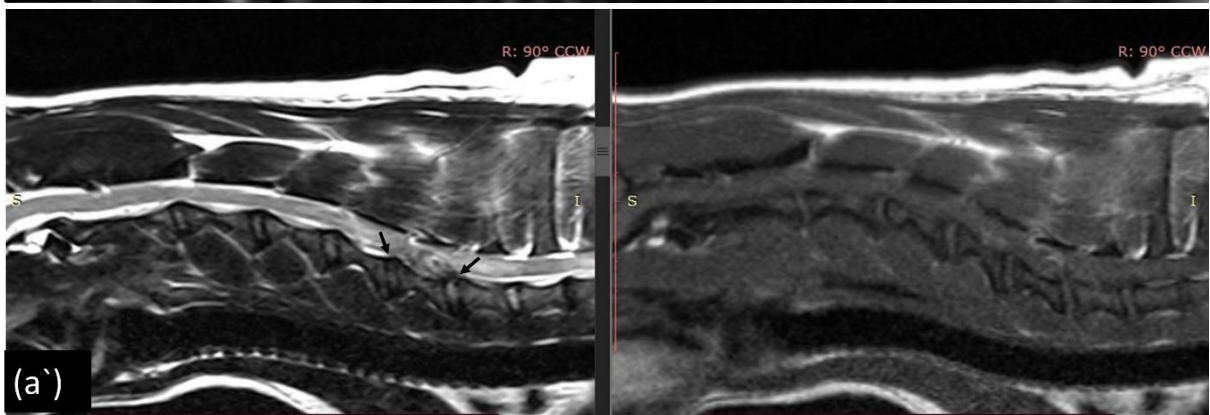
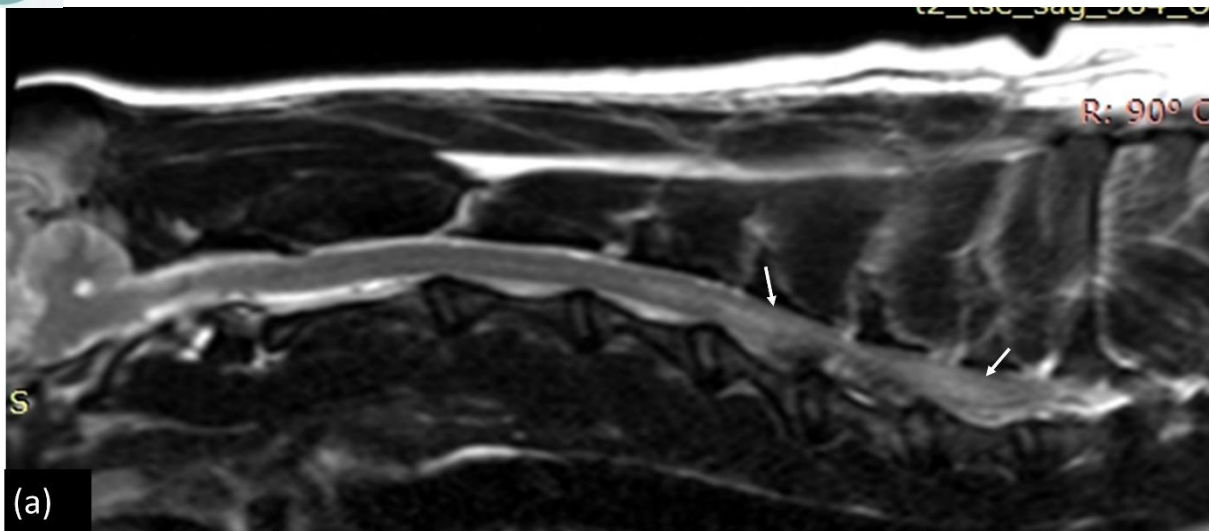
## Finding:

- ❖ Right ventral disc extrusion at the level of C3-4 intervertebral disc space with mild cord compression (less than 25%).
- ❖ Right ventral disc extrusion at the level of C4-5 intervertebral disc space with mild cord compression (less than 25%).
- ❖ Central disc extrusion at the level of C5-6 intervertebral disc space with severe cord compression (more than 50%) (SCCR= 64.6%).
- ❖ Central disc extrusion at the level of C6-7 intervertebral disc space with moderate cord compression (between 25%-50%) (SCCR= 31.27%).
- ❖ Diffuse hyperintensity in the center of the cervical spinal cord between C5-C7 vertebrae with marked swelling of the spinal cord (consistent with cord edema & intraparenchymal hemorrhage). Also, an epidural hemorrhage at level of C6 vertebra is observed.
- ❖ Decreased volume and signal intensity between C2-T3 Intervertebral discs.

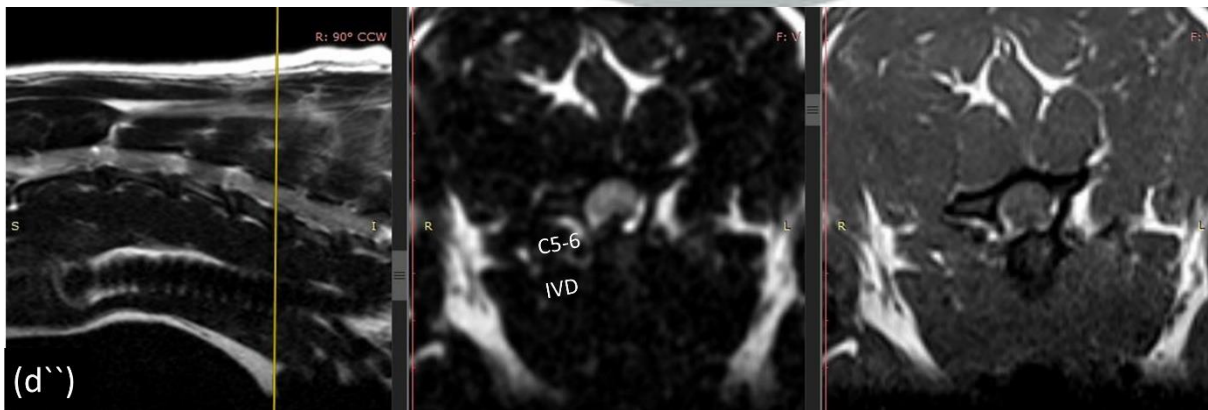
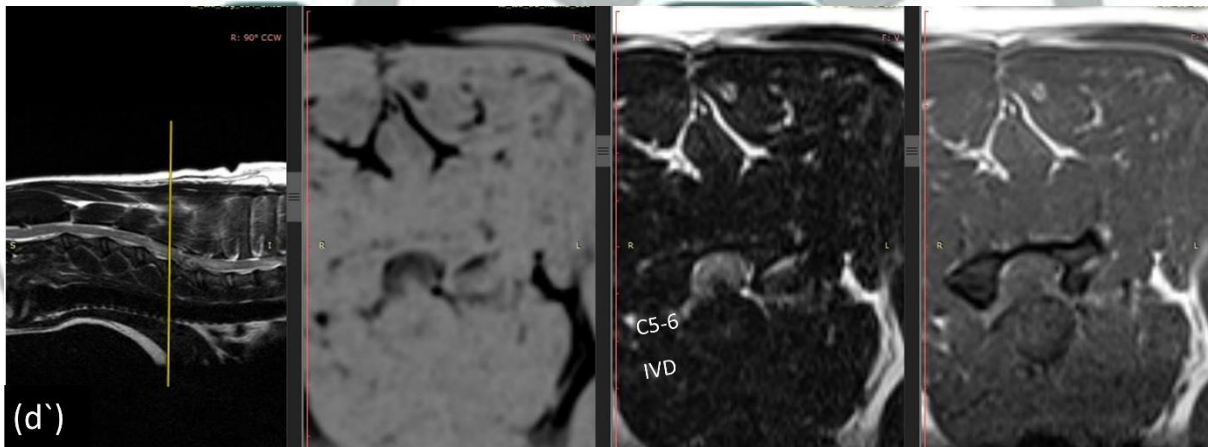
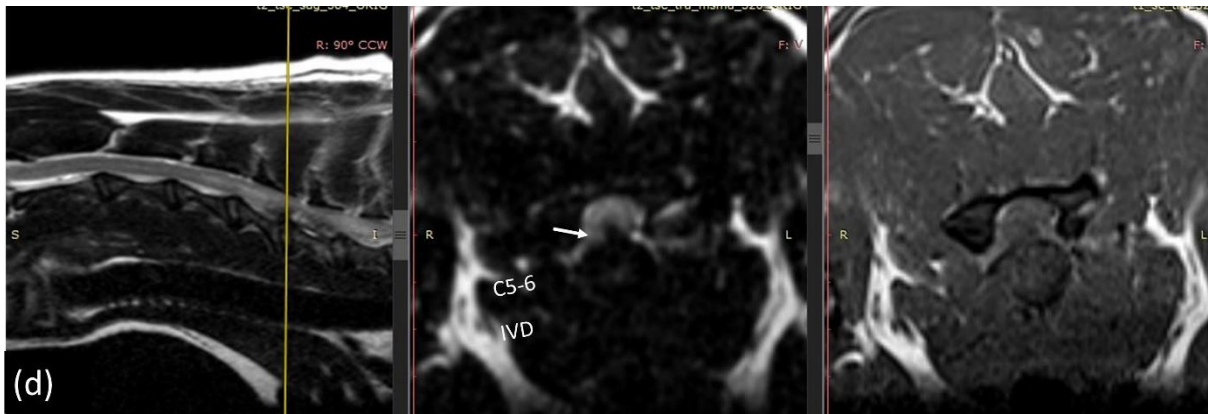
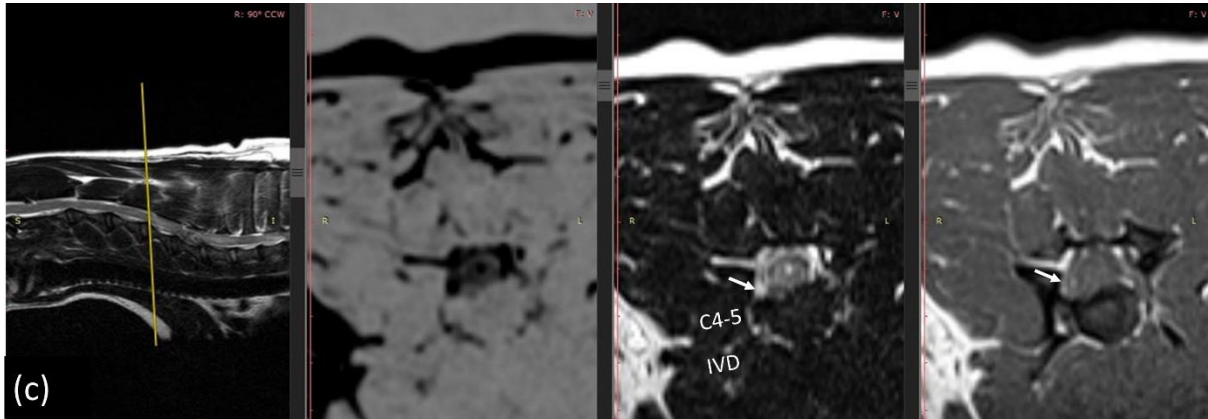
## Impressions:

- **The MRI features are suggestive of:**
  - Right ventral disc extrusion at the level of **C3-4** intervertebral disc space with mild cord compression (less than 25%).
  - Right ventral disc extrusion at the level of **C4-5** intervertebral disc space with mild cord compression (less than 25%).
  - Central disc extrusion at the level of **C5-6** intervertebral disc space with severe cord compression (more than 50%) (SCCR= 64.6%).
  - Central disc extrusion at the level of **C6-7** intervertebral disc space with moderate cord compression (between 25%-50%) (SCCR= 31.27%).

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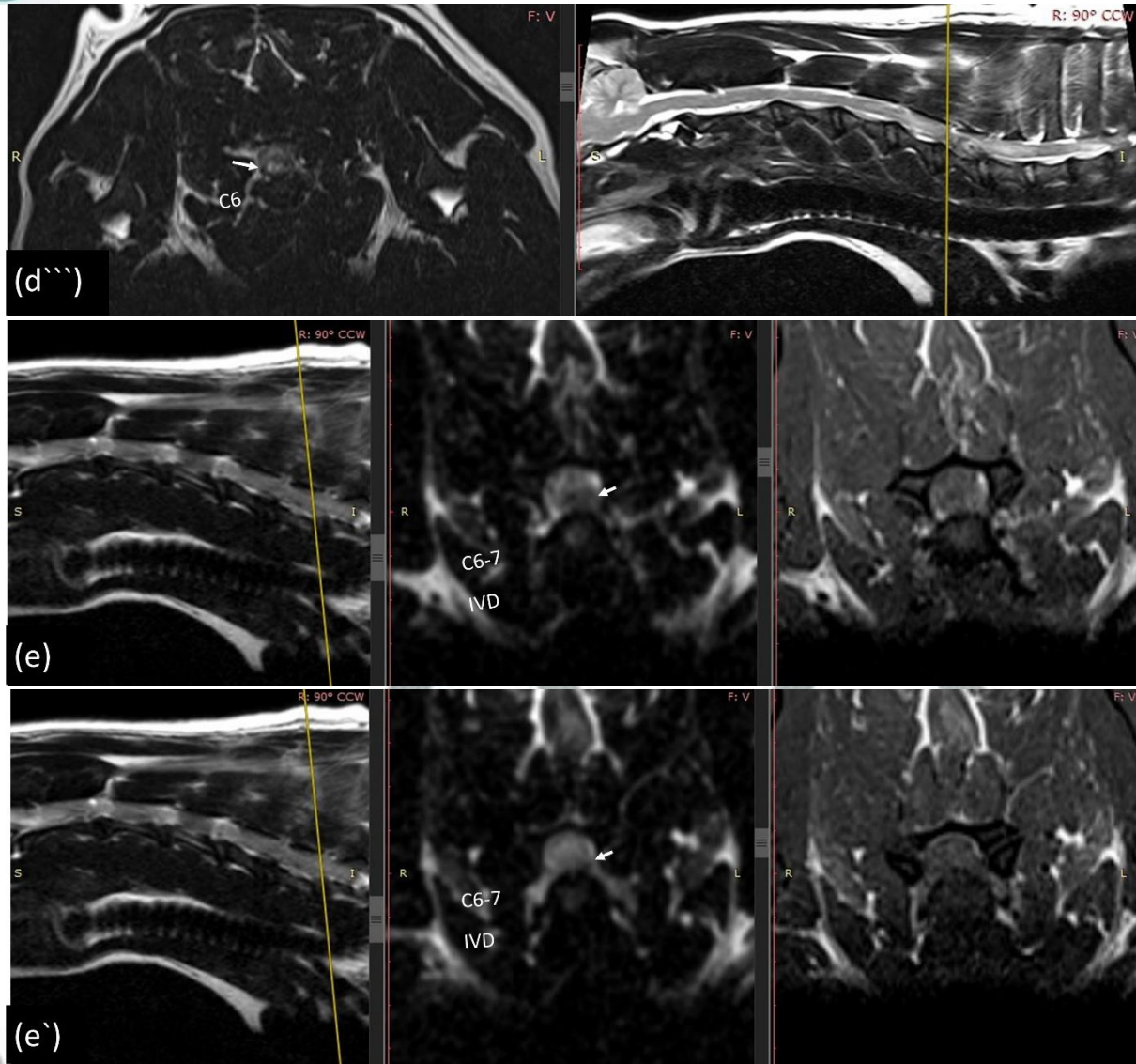


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- ❖ Right ventral disc extrusion at the level of C3-4 intervertebral disc space **(b, b')** with mild cord compression (less than 25%).
- ❖ Right ventral disc extrusion at the level of C4-5 intervertebral disc space **(c)** with mild cord compression (less than 25%).
- ❖ Central disc extrusion at the level of C5-6 intervertebral disc space **(d, d', d'')** with severe cord compression (more than 50%) (SCCR= 64.6%).
- ❖ Central disc extrusion at the level of C6-7 intervertebral disc space **(e, e')** with moderate cord compression (between 25%-50%) (SCCR= 31.27%).
- ❖ Diffuse hyperintensity in the center of the cervical spinal cord between C5-C7 vertebrae with marked swelling of the spinal cord **(a)** (consistent with cord edema & intraparenchymal hemorrhage). Also, an epidural hemorrhage at level of C6 vertebra is observed **(d'')**.
- ❖ Decreased volume and signal intensity between C2-T3 Intervertebral discs**(a)**.