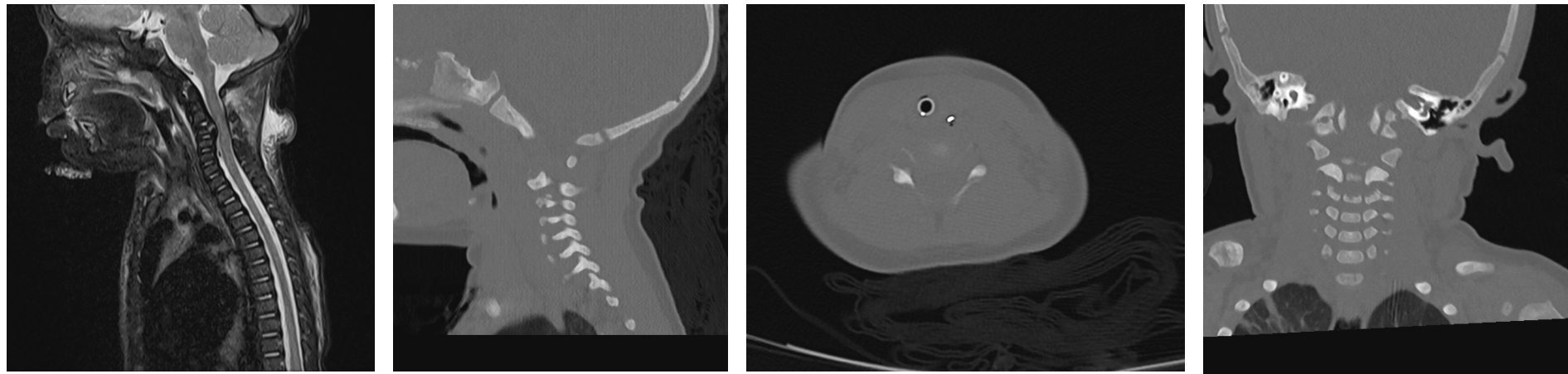


Prompt

These are three images from a 3-month-old female baby. May you please write a report according to them?



GPT-4V

Radiological Report:

Patient: 3-month-old female

Study: MRI and CT Imaging of the Cervical Spine and Head

Findings:

Image 1 (MRI of the Cervical Spine in Sagittal view):

The vertebral bodies appear aligned.

The intervertebral disc spaces appear maintained.

No significant soft tissue abnormalities are noted.

The spinal cord has a normal signal intensity, and no cord compression is seen.

Image 2 (CT Axial view of the Head):

Normal shape of the skull vault.

No evidence of fractures or bony deformities.

Brain parenchyma appears unremarkable with no evidence of masses or hemorrhages on this slice.

Image 3 (CT Sagittal view of the Cervical Spine):

Vertebral alignment appears normal.

No visible vertebral fractures or bony abnormalities.

Normal lordotic curvature is observed.

Prevertebral soft tissues appear unremarkable.

Image 4 (CT Coronal view of the Head and Upper Cervical Spine):

Normal shape and bony architecture of the skull.

No evidence of bony lesions or fractures.

The cervical spine appears aligned with no visible bony abnormalities.

Impression:

No acute radiological findings on the provided slices.

Further evaluation with complete imaging sequences and consultation with a pediatric radiologist is recommended for a comprehensive assessment.

Reference answer

Modality: MRI and CT (the latter three)

Diagnosis: C2 and C3 fractures (infant)

Description:

- (MRI) Burst fracture of C3 with retropulsion of the posterior vertebral body wall into the spinal canal. There is severe spinal stenosis and T2 hyperintensity of the cord at this level. Increased T2 hyperintensity of the posterior ligamentous complex.
- (CT) Lucencies are seen through the pedicles of C2 bilaterally. Alignment is normal. Disc heights are normal. There is no canal stenosis.