Outcome 6 – CT Imaging of the Spine
Anatomy Labelling Activity

Using your iPad, open the links provided for each vertebral section. Review the anatomy listed, and find each structure in the various planes and window settings provided.

1. Cervical Spine https://radiopaedia.org/cases/normal-cervical-spine-ct
    a. Anterior arch of atlas (C1)
    b. Posterior arch of atlas
    c. Lateral masses
    d. Atlantooccipital joint
    e. Transverse process of atlas
    f. Odontoid process
    g. Body of Axis (C2)
    h. Superior articular facet of axis
    i. Inferior articular facet of axis
    j. Pedicle of axis
    k. Lamina of axis
    l. Spinous process of axis
    m. Body of C3
    n. Pedicle of C4
    o. Spinous process of C6
    p. Superior articular process of C4
    q. Inferior articular process of C3
    r. Transverse foramina of C6
    s. Note the appearance of the intervertebral discs
    t. Note the appearance of the zygophopyseal joints
    u. Spinous process of vertebra prominens (C7)

2. Thoracic Spine https://radiopaedia.org/cases/normal-ct-thoracic-spine
    a. Body of T1
    b. Transverse process of T1
    c. Spinous process of T1
    d. Costovertebral joint of T1
    e. Costotransverse joint of T1
    f. Lamina of T1
    g. Body of T3
    h. Spinous process of T6
    i. Costotransverse joint of T7
    j. Costovertebral joint of T7

k. Lamina of T4
l. Note the appearance of the intervertebral discs
m. Note the appearance of the zygopophyseal joints

3. Lumbar Spine https://radiopaedia.org/cases/normal-lumbosacral-ct
    a. Body of L1
    b. Pedicles of L1
    c. Transverse process of L1
    d. Lamina of L1
    e. Superior articular process of L2
    f. Inferior articular process of L1
    g. Spinous process of L1
    h. Body of L4
    i. Transverse process of L3
    j. Pedicle of L2
    k. Note the appearance of the intervertebral discs
    l. Note the appearance of the zygopophyseal joints

Review the definition, and radiographic appearance of following pathologies of the spine. Search http://www.radiopaedia.org/, or another search engine to find CT images that demonstrate these findings.

1. Jefferson fracture
2. Odontoid fracture
3. Hangman's fracture
4. Spinal subluxation
5. Spina Bifida
6. Spondylolisthesis
7. Spondylolysis
8. Spondylosis
9. Ankylosing Spondylitis

10. Scoliosis

11. Compression / Wedge fracture

12. Can you find any other interesting trauma spine CT images?