**APPENDIX A**

**CROSS SECTIONAL ANATOMY REVIEW**

The following checklist is a list of suggested structures to review.

Listed below is a list of resources to assist your learning:

* Cross-sectional anatomy textbooks
* CAMRT sectional anatomy courses
* RTOG contouring Atlas ([www.rtog.org](http://www.rtog.org)); Go to Core Lab; Contouring Atlases
* Imaios website ([www.imaios.com](http://www.imaios.com); E-ANATOMY; must register to this website, requires yearly premium fee)

**BRAIN**

|  |  |
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| **Cerebral Lobes/Regions** | **Optic Track** |
| □ Frontal Lobe | □ Optic Nerve |
| □ Parietal lobe | □ Optic Chiasm |
| □ Temporal Lobe |  |
| □ Cerebellum |  |
| □ Occipital Lobe | **Glands** |
| □ Diencephalon | □ Pituitary |
| □ Brainstem | □ Pineal Gland |
| □ Spinal Cord |  |
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| **Bones** |
| □ Sella Turcica | □ Temporal Bone |
| □ Clivus | □ Occipital Bone |
| □ Lacrimal Bone | □ Body of sphenoid bone |
| □ Glabella | □ Parietal Bone |
| □ Orbital surface | □ Frontal Bone |
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**HEAD, FACE AND NECK**

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| **Bones** |
| □ Mastoid process (Temporal) | □ Head of the Mandible |
| □ Styloid process (Temporal) | □ Ramus of Mandible |
| □ Orbital Surface (Zygomatic bone) | □ Angle of Mandible |
| □ Temporal process (Zygomatic) | □ Body of the Mandible |
| □ Tympanic part | □ Frontal process (Maxilla) |
| □ Body of Hyoid bone | □ Orbital surface (Maxilla) |
| □ Atlas (C1) | □ Zygomatic process (Maxilla) |
| □ Axis (C2) (including Dens) | □ Palatine process (Maxilla) |
| □ C3-C7 | □ Nasal surface (Maxilla) |
| □ Hard palate | □ Maxillary/upper dental arcade |
|  | □ Mandibular/lower dental arcade |
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| **Arteries** | **Cavities** |
| □ External carotid artery | □ Frontal sinus |
| □ Internal carotid artery | □ Nasal cavity |
| □ Vertebral artery | □ Ethmoidal sinus |
|  | □ Sphenoidal sinus |
| **Veins** | □ Mastoid cells |
| □ Internal jugular vein | □ Maxillary sinus |
| □ External jugular vein | □ Nasopharynx |
|  | □ Oral cavity |
| **Foramina** | □ Oropharynx |
| □ Optic Canal | □ Laryngopharynx/hypopharynx |
| □ External acoustic meatus | □ |
| □ Foramen magnum |  |
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| **Mucosa/Glands** |
| □ Eyeball | □ Parotid gland |
| □ Soft palate | □ Sublingual gland |
| □ Tongue | □ Submandibular gland |
| □ Uvula | □ Thyroid Gland  |
| □ Epiglottis | □ Gingiva; gum |
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| **Other** |
| □ Teeth | □ Trachea |
| □ Larynx | □ Thyroid cartilage |
| □ Oesophagus | □ Cricoid cartilage |
| □ Upper Lip | □ Arytenoid cartilage |
| □ Lower Lip | □ Vocal fold/ligament |
|  | □ Glottis |

**THORAX**

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| **Pulmonary Arteries/Arteries** | **Pulmonary Veins/Veins** |
| □ Common carotid artery | □ Internal Jugular Veins |
| □ Subclavian artery | □ Subclavian Veins |
| □ Aortic arch | □ Brachiocephalic Veins |
| □ Descending aorta | □ Right Superior Pulmonary Vein |
| □ Ascending aorta  | □ Left Superior Pulmonary Vein |
| □ Pulmonary trunk | □ Superior Vena Cava |
| □ Left pulmonary artery | □ Azygos Vein |
| □ Right pulmonary artery | □ Right Inferior Pulmonary Vein |
| □ Right ventricle  | □ Left inferior Pulmonary Vein |
| □ Right atrium  | □ Inferior Vena Cava |
| □ Left atrium |  |
| □ Left ventricle |  |
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| **Lobar and Segmental Bronchi** |
| □ Trachea | □ Carina |
| □ Right main Bronchus | □ Left Main Bronchus |
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| **Muscles** |
| □ Pectoralis Major | □ External Oblique |
| □ Pectoralis Minor | □ Latissimus Dorsi |
| □ Sternocleidomastoid | □ Rectus Abdominis |
| □ Erector Spinae | □ External Intercostal Muscle |
| □ Trapezius |  |
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| **Bones** | **Other Structures** |
| □ T1-T12  | □ Esophagus |
| □ Clavicle | □ Thymus |
| □ Scapula | □ Pericardium  |
| □ Ribs | □ Spinal cord |
| □ Suprasternal notch | □ Right lung |
| □ Manubrium of sternum | □ Left lung |
| □ Costal cartilage | □ Stomach |
| □ Body of sternum | □ Spleen |
| □ Xiphoid process | □ Liver  |
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**ABDOMEN/PELVIS**

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| **Organs** |
| □ Right lobe of liver | □ Spleen |
| □ Caudate lobe of liver | □ Suprarenal gland/adrenal gland |
| □ Liver (superior part) | □ Body of Pancreas |
| □ Left lobe of liver | □ Tail of pancreas |
| □ Quadrate lobe | □ Head of Pancreas |
| □ Gall bladder |  |
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| **Digestive Tract** |
| □ Esophagus | □ Jejunum |
| □ Fundus of Stomach | □ Ileum |
| □ Greater Curvature of Stomach | □ Colon ( Ascending & Descending) |
| □ Lesser Curvature of Stomach | □ Transverse Colon |
| □ Body of Stomach | □ Caecum |
| □ Pyloric Antrum | □ Sigmoid Colon |
| □ Duodenum (descending/ascending) | □ Rectum |
|  | □ Anal canal |

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| **Urinary System** |
| □ Kidney (Right & Left) | □ Fundus of bladder |
| □ Hilum of kidney | □ Apex of bladder |
| □ Ureters (Right & Left) | □ Body of bladder |
| □ Urinary Bladder | □ Trigone of bladder |
|  | □ Neck of bladder |
| **Muscles** |
| □ Diaphragm | □ Rectus abdominis muscle |
| □ Latissimus dorsi | □ Psoas muscle |
| □ External oblique | □ Quadratus lumborum |
| □ Transversus abdominis |  |
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| **Arteries** | **Veins** |
| □ Abdominal aorta | □ Inferior vena cava |
| □ Celiac trunk | □ Renal veins (rt/lt) |
| □ Common iliac artery | □ Common iliac vein |
| □ External & internal iliac arteries | □ External & Internal iliac veins |
| □ Femoral artery (rt/lt) |  |
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| **Lymph Nodes** |  |
| □ Common iliac nodes | □ Sacral nodes |
| □ External iliac nodes |  |

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| **Bones** |
| □ T11-T12  | □ L1-L5 |
| □ Vertebral canal  | □ Sacrum |
| □ Iliac crest | □ Sacroiliac joint  |
| □ Anterior Superior Iliac Spine | □ Coccyx |
| □ Pelvic Brim | □ Pubic Symphysis |
| □ Ilium  | □ Obturator foramen |
| □ Pubis | □ Acetabulum |
| □ Ischium | □ Femur  |
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| **Female Pelvis** |
| □ Fundus of Uterus | □ Ovary (Right & Left) |
| □ Body of Uterus | □ Endometrium |
| □ Isthmus of Uterus | □ Myometrium |
| □ Cervix  | □ Vagina |
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| **Male Pelvis** |  |
| □ Seminal Vesicles | □ Prostate  |
| □ Scrotum | □ Penis |
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**SPINE STANDARD RADIOGRAPHY**

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| **Cervical vertebrae**  | **Thoracic vertebrae** |
| □ C1-C7 | □ First Rib I |
| □ Pedicle | □ True Ribs (I-VII) |
| □ Spinous Process | □ False Ribs (VII-XII) |
| □ First Rib  | □ Floating Ribs (XI-XII) |
| □ Transverse Process | □ Vertebral body |
| □ Vertebral Body | □ Intervertebral space |
| □ Intervertebral Space | □ Transverse process |
|  | □ Pedicle |
|  | □ Spinous process |
|  | □ Costovertebral joints |
|  | □ Inferior articular process |
|  | □ Superior articular process |
|  |  |
|  |  |
| **Lumbar vertebrae & Sacrum** |
| □ L1-L5 | □ Pedicle |
| □ Vertebral body | □ Lumbosacral joint |
| □ Transverse process | □ Sacrum |
| □ Intervertebral space | □ Sacral promontory |
| □ Spinous process | □ Sacro-iliac joint |
|  | □ Coccyx |

**EXTREMITIES**

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| **Upper Limb** | **Lower Limb** |
| □ Clavicle | □ Femur |
| □ Scapula | □ Greater trochanter (femur) |
| □ Acromion (scapula) | □ Lesser trochanter (femur) |
| □ Coracoid process (scapula) | □ Patella |
| □ Humerus | □ Tibia |
| □ Greater tubercle (humerus) | □ Medial malleolus |
| □ Lesser tubercle (humerus) | □ Fibula |
| □ Radius | □ Lateral malleolus |
| □ Ulna | □ Tarsals |
| □ Carpals | □ Metatarsals |
| □ Metacarpals | □ Phalanges |
| □ Phalanges |  |
| □ |  |