Web Review: Radiography and radiology atlases

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A few useful radiography and radiology atlases, available at the moment on the Internet are reviewed below.

Basic Radiography and Radiology Atlases

1. **Radiographic Guide** at <http://www.rtstudents.com/radiology-positioning.htm> is an atlas of routine radiographic procedures, offering material for radiology students as well as radiology professionals. The educative material offered here are on chest x-ray, barium enema, spine, and joints like hip, elbow, and foot. Besides, there are sections on techniques covering specialized areas like facial bones, orbits, sacrum, and sinuses. Furthermore, radiographic techniques for assessment of bone age and bone length are also available. A useful index to other topics is available at <http://www.rtstudents.com/sitemap.htm>.
2. **Radiology Positioning Atlas** at <http://www.wikiradiography.com/page/Positioning+Atlas> is an atlas illustrating the details of positioning during radiography of the human body. It is divided into anatomical areas like upper and lower extremities, pelvis, thorax, abdomen, vertebral spine, skull, facial bones, and orbits. For example, the section on lower extremities has radiographs of the knee – anteroposterior (AP), rolled lateral, horizontal ray lateral, skyline (tangential, axial, sunrise), intercondylar AP axial, posteroanterior (PA) axial (Camp-Coventry), PA axial (Holmblad), oblique (lateral or medial rotation), AP bilateral weight bearing, and PA bilateral weight bearing (Rosenbergs). A related portal on surface anatomy useful in positioning purposes is available at <http://www.wikiradiography.com/page/Surface+Anatomy>.
3. **Radiologic Anatomy** is a site developed by Anthony L. Alcantara, and Huan Nguyen. It is available from http://www.med.wayne.edu/diagRadiology/Anatomy_Modules/Page1.html. It offers illustrative data on brain, upper abdomen, thorax, pelvis and upper thigh, and skull base.
4. **Interactive Radiology Atlas** is sourced from SUNY Downstate Medical Center, Brooklyn, NY, and available at <http://ect.downstate.edu/courseware/rad-atlas/>. Offered in this atlas are sections covered by regions, e.g., head and neck, thorax, upper limb, abdomen, pelvis, and lower limb.
5. **Atlas of Radiological Images** v.1 is sourced from the General University Hospital and 1st Faculty of Medicine of Charles University in Prague and is available at <http://atlas.mudr.org/>. The sections can be browsed under the following headings: Organ, Modality, Skill, and Random. Besides, there are links to popular images, newest images, and radiology case of the day.
6. **Radiology Atlas** offers illustrative images from the Department of Neurobiology and Developmental Sciences, University of Arkansas for Medical Sciences. Available at http://anatomy.uams.edu/anatomyhtml/xrays/rad_atlas.html, the material comprises of several sections that cover topics like thorax, abdomen, pelvis and perineum, upper limb, lower limb, and head and neck. Each topic has images sourced from radiographs, contrast studies, arteriograms, CT scans, MRI images, and hysterosalpingograms.
7. **Radiology Anatomy Atlas** is a free program, available for both Macintosh® and Windows®. It allows viewing of labeled images of human anatomy. There are two broad sections available in the atlas, namely Radiology Anatomy Atlas and Radiologic Human Anatomy Atlas. The atlas can be browsed at http://web.mac.com/rlivingston/Site/Radiology_Anatomy_Atlas.html.
8. **IMAIOS** offers many e-learning opportunities. Foremost among the initiatives are e-Anatomy and e-MRI. The e-Anatomy section at <http://www.imaios.com/en/e-Anatomy/Thorax-Abdomen-Pelvis/Abdomen-Pelvis-CT> offers illustrative material on various regions of the body

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like head and neck, thorax, abdomen, pelvis, limbs, and spine.

9. **Online Cross-Section Anatomy Atlas** is available at <http://www.indyrad.iupui.edu/public/childres/viewer/launch.html>, which has material written by Scot Childress and Kenneth Buckwalter. A basic radiology atlas covering knee, shoulder, pelvis, and wrists is available here.
10. **Radiographic Atlas of the Pediatric Urethra** is an academic venture from the Nationwide Children's Hospital and Children's Radiological Institute, Columbus, Ohio, and is available at <http://www.nationwidechildrens.org/gd/applications/radiology/atlas/Urethra%20Atlas/Welcome.html>. The educative material offered is one of annotated images, discussions, and brief radiologic differential diagnosis of conditions of the urethra. The conditions include variants, congenital, traumatic, and postoperative entities, besides other common and uncommon entities.

End Piece

A few musculoskeletal atlases available on the Web that are useful in clinical practice include **Musculoskeletal Atlas** at <http://depts.washington.edu/msatlas/> authored by Carol Teitz et al., from the University of Washington, Seattle. **Muscle Atlas** authored by Michael Richardson, MD, from the University of Washington is available at <http://www.rad.washington.edu/academics/academic-sections/msk/muscle-atlas/>.

A **Neuroanatomy portal** from Temple University School of Medicine's Department of Anatomy and Cell Biology is available at <http://isc.temple.edu/neuroanatomy/lab/imaging/index.htm>. Created by Sodicoff *et al.*, the material includes CT scans, diagnostic imaging atlas, sectional atlas, and gross brain atlas.

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