A few useful special atlases focusing on select topics in radiology and imaging and available at the moment on the Internet are reviewed below.

1. **Chest X-Ray Atlas** by A. J. Chandrasekhar is an illustrative portal sourced from [http://www.meddean.luc.edu/lumen/meded/medicine/pulmonar/cxr/atlas/cxratlas_f.htm](http://www.meddean.luc.edu/lumen/meded/medicine/pulmonar/cxr/atlas/cxratlas_f.htm). There are essentially three sections: Pathology, Diseases, and Signs. The pathology section has representative images of disease entities of the lung, pleura, chest wall, breast, hilum, nodes, rib, diaphragm, and mediastinal masses, as well bronchograms. The section on radiologic signs includes a huge list of named and well-known signs and is a handy reference tool.

2. **MedPix® Diagnostic Image Atlas** contains illustrative copyrighted material covering a huge list of cases. Available at [http://rad.usuhs.edu/medpix/parent.php3?mode=image_atlas](http://rad.usuhs.edu/medpix/parent.php3?mode=image_atlas), the imaging atlases can be browsed from a pull-down menu, which covers Organ Location (e.g., brain, gastrointestinal, etc.), Sublocation (e.g., pineal gland, stomach), and Category of Disease, Diagnosis, or Pathology (e.g., neoplasm, glioma, ulcer, etc.). Incidentally, MedPix® is authored by J. G. Smirniotopoulos and H. Irvine and is sponsored by the Department of Radiology and Radiological Sciences, USUHS, Bethesda, MD.

3. **Harry’s Chest Radiology Atlas** at [http://chestatlas.com/](http://chestatlas.com/) is authored by Harry Shulman. The site has illustrative material on normal chest anatomy and variations from the normal, including common and uncommon entities involving the parenchyma, mediastinum, pleura, diaphragm, chest wall, spine, and aorta. Besides this, there are sections covering anatomy and lung cancer staging as well as an American Thoracic Society (ATS) node map. A useful section on algorithm is on offer at [http://chestatlas.com/gallery/Algorithm](http://chestatlas.com/gallery/Algorithm).

4. **Liver Imaging Atlas** is available at [http://liveratlas.org/](http://liveratlas.org/). The Liver Imaging Atlas is created by UW Radiology Web Services, University of Washington, Seattle, WA, and is a collection of common and uncommon liver pathologies. An interactive feature enables different liver pathologies to be categorized either by imaging features on liver CT, such as morphology, attenuation, and pattern of contrast enhancement, by general diagnostic category (e.g., neoplasm, infection, pediatric) or by an index.

5. **Orthopedic Hardware Atlas** at [http://www.med.wayne.edu/diagradiology/RSNA2003/Atlas.htm](http://www.med.wayne.edu/diagradiology/RSNA2003/Atlas.htm) offers illustrative educative material on the hardware devices used in the discipline of orthopedics. There are different sections covering important topics like basic orthopedic hardware, internal and external fixation hardware, screws, plates, pins and wires, intramedullary rods and nails, and joint replacement hardware. Specialized web pages are available, such as “Overview of Joint Replacements and Spinal Hardware.” An interesting web page on hardware, arranged anatomically by joint location, is available at [http://www.med.wayne.edu/diagradiology/RSNA2003/joint_hardw](http://www.med.wayne.edu/diagradiology/RSNA2003/joint_hardw).htm.

6. **Atlas of Signs in Musculoskeletal Radiology** at [http://www.gentili.net/signs/default.htm](http://www.gentili.net/signs/default.htm) is authored by A. Gentili et al. from UCLA and WLA VAMC, Los Angeles, CA. It is “an atlas of common and not so common signs used in musculoskeletal radiology” and is reviewed by sign name, pathological diagnosis, or location. Each sign is illustrated with radiographs and diagrams and also has references linked to PubMed. Examples include anterior drawer sign, cortical ring sign, Hill–Sachs sign, rugger-jersey sign, tear drop sign, Terry-Thomas sign, etc.

7. **Musculoskeletal MRI Atlas** at [http://www.freitasrad.net](http://www.freitasrad.net) is authored by Alex Freitas, MD. There are sections on knee, shoulder, ankle, wrist, elbow, and hip, with
the focus on two fundamental areas, namely definition of normal anatomy and detection of abnormal fluid or abnormal enhancement.

8. **Coronary Artery Anatomy** at http://www.imaios.com/en/e-Anatomy/Thorax-Abdomen-Pelvis/Coronary-CT is a useful material sourced from the University of Medicine of Montpellier, Canada. It has illustrative material depicting the anatomy of the heart in an interactive manner using cross-sectional imaging. A tool provides access to labeled multidetector CT scan (MDCT) images in four planes. Besides, a test mode allows instant evaluation.


10. **Cancer Staging Atlas** at https://www.ajcc-staging.com/staging/view/cancerStage is created by the American Joint Committee on Cancer (AJCC) and Springer Media (www.springer.com), the scientific publisher. Available at this site are useful interactive features like Staging Forms, Staging Calculator, and Staging Guidelines. The AJCC staging form is available for nearly 60 primary cancer sites. An AJCC e-Staging Tool requires values for T, N, and M, based on which the correct stage is calculated automatically for a given patient. An overview with screenshots highlighting the key features of the AJCC e-Staging Tool is on offer at https://www.ajcc-staging.com/staging/access/demoFwd. The AJCC e-Staging Tool can be integrated with a radiology department electronic health records system and, to facilitate this, an HL7 Info Sheet is also on offer at the above Web page.

**End Piece**


As an appendix to the **Harrison’s Textbook on Principles of Internal Medicine**, radiological imaging findings of common diseases are featured at http://www.meddean.luc.edu/lumen/MedEd/Radio/curriculum/Harrisons/Harrisons_f.htm. Developed and edited by Arcot J. Chandrasekhar et al., the material is supported by the Department of Radiology, Stritch School of Medicine, Loyola University, Chicago, IL.

An **ultrasonography atlas** titled Atlas d’échographie en Gynécologie–Obstétrique is available at http://www.aly-abbara.com/echographie/Atlas_echographie/atlas_echographie.html. Authored by Dr. Aly Abbara, the material is in French and has images of many common entities.


Together, this completes the list of online atlases that are useful for students and practicing radiologists alike.