Teaching Files on the Net—Where You Can Hook Up and Learn

The Virtual Hospital

http://indy.radiology.uiowa.edu

About 55,000 users log on weekly to the 3-year-old Virtual Hospital (VH) to access teaching cases as well as video clips of procedures, diagnostic algorithms and other Internet resources. About 200 of the teaching cases at the VH are radiologic images with incorporated nuclear medicine studies; the Hospital plans to add more nuclear medicine textbooks and teaching cases in the coming months.

Visitors to the VH can now find a cyber-textbook on gastrointestinal (GI) nuclear medicine for GI diseases and GI bleeding, with video, sound, nuclear images, radiographs and pathology. There is also a "Virtual Patients" section with pediatric and adult pulmonary teaching cases as well as several GI nuclear medicine cases under construction. To retrieve nuclear medicine resources at the VH, type "nuclear medicine" into the search form, or enter a specific topic, such as "GI bleed."

The Countway Library of Medicine

Countway Library:
http://www.med.harvard.edu/.index.html

Joint Program in Nuclear Medicine: http://www.med.harvard.edu/JPNM

Brigham and Women's Hospital Radiology Project:
http://www.med.harvard.edu/BWHRad/NucMed/

Radiology and nuclear medicine departments at Harvard University's teaching hospitals have collaborated with the Countway Library of Medicine to establish two teaching file resources on the Library's Web server: the Joint Program in Nuclear Medicine (JPNM) and the Brigham and Women's Hospital Radiology Project (BWHRad Project). "Our teaching cases include a case presentation followed by images, a discussion and references," explains J. Anthony Parker, MD, PhD (**jap@nucmed.bih.harvard.edu**), director of the JPNM.

The Countway Library serves as an index to the various teaching files with lists of nuclear medicine and medical physics teaching cases and stand-alone images in the areas of anatomy, nuclear, pathology and radiology. The Countway home page also contains links to other teaching files, including LUNIS, LARG*net and the Mallinkrodt Institute of Radiology.

The Whole Brain Atlas

http://www.med.harvard.edu

The Whole Brain Atlas provides a unique Internet teaching resource for studying an entire dataset of brain slices with integrated clinical information. Current cases include chronic subdural hematoma, Huntington's disease, Alzheimer's disease, acute stroke, normal brain structure and multiple sclerosis. Files include "tours," showing "temporal" movies of disease progression and "spatial" movies of the same brain in multiple tomographic planes. Modalities include MR, CT as well as nuclear medicine images. Users can search for cases by disorders of the central nervous system, manifestations/symptoms, sensation alterations and sites.

Medical-i-Way

http://www.largnet.uwo.ca/med/i-way.html

Medical-i-Way is a teaching file located on the LARG*net Web server at the University of Western Ontario. Users can conduct form searches to select teaching cases by anatomic group or by ACR keywords. Currently, the teaching file offers hepatobiliary cases, neuroradiology cases (including brain SPECT and a video of surgical removal of a seizure focus), general abdominal cases and others, featuring various plain radiograph, CT, MRI and ultrasound images. Although the teaching file has not yet had outside case contributions , outside cases are welcome. This server is mirrored at the Academic Medical Center in Amsterdam.

The Mallinkrodt Institute of Radiology

http://gamma.wustl.edu/home.html

The Mallinkrodt teaching file is an excellent starting point for finding nuclear medicine teaching files. The server has a full menu of alphabetically indexed known and unknown cases featuring a variety of scintigraphic studies (gastrointestinal, neurologic, cardiovascular, immunologic and hepatobiliary) and PET studies (brain tumor, cardiac, neuroendocrine, hematologic and genitourinary). By using search form requests, the server can also contact outside teaching-file servers to fill your request, including Harvard University, Duke University and the University of Alberta.

Penn State University

http://www.xray.hmc.psu.edu/public/home.html

The Penn-State server provides a premier index of nuclear and radiologic teaching files throughout the Web—a fair help, since there is currently no common search method for teaching files across institutions. The site has compiled an extensive list of radiologic teaching files by anatomic region, including breast, cardiovascular, musculoskeletal, gastrointestinal and genitourinary. A separate section indexes dozens of nuclear medicine cases at various sites, including Harvard and the University of North Carolina.