Docket #: S05-325

Anatomy-Based Radiograph Labeling and Retrieval

This invention is a system that allows labeling of radiological images based on anatomy, such that radiologists or other users can locate the images using anatomical names. This picture archiving and communication system (PACS) technology could enable more efficient image presentation and analysis for busy radiologists by allowing them to call up images specific to a region of interest, possibly using voice commands.

Applications

- **Improved navigation of PACS** - allows anatomy-based labeling and retrieval of radiological data stored in PACS

Advantages

- **Easier operation of PACS:**
  - enables radiologists to view images specific to organs rather than in sequential order
  - window level settings automatically adjusted based on anatomy being viewed
  - allows anatomy-based data input during exam interpretation (rather than traversing through a hierarchy of choices presented in the GUI)
- **Information integration** - enables PACS to present additional information about anatomical structures, such as pathologies and patient lab data, along with images

Publications

- U.S. Patent Application: "System and Method for Anatomy Labeling on a PACS" (Publication No. 20070127790)

Patents

- Published Application: 20070127790
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