TECHNOLOGY

Radiology Protocoler

OVERVIEW

The Radiology Protocoler is a centralized, web-based system for automatically tracking, editing, and storing existing medical radiology documents and files both automatically and on demand. The web-based design allows the system to be accessed from within a hospital, radiology practice, or through a virtual private network (VPN). Modularity allows easy incorporation of a third party and custom built tools. By using open and well-defined medical and web standards such as Digital Imaging and Communications in Medicine (DICOM), Health Level 7 (HL7), and Lightweight Access Directory Protocol (LDAP) this system is easily portable to other sites and institutions allowing for efficient, user-friendly access to critical patient information.

APPLICATIONS

One of the main problems in radiology and medicine today is the difficulty in communicating across a widespread practice or hospital system. Many groups are spread over numerous clinic and hospital locations and must interact with all of them on a daily basis. This is primarily done with pen and paper which is an inefficient and time consuming protocol that allows for larger margins for human error. Many hospitals and medical facilities have followed the trend of centralizing systems utilizing the concept of electronic health record for improved performance and efficiency. The Protocoler system would provide an easily accessible, centralized location where scheduling staff, technologists, and radiologists can view and edit information as well as access prior documentation for referral purposes.

ADVANTAGES

-The Protocoler system provides a centralized location for doctors, nurses, and staff to view and edit patient information in an easily accessible, user-friendly format.
-The underlying Protocoler framework is highly compatible with many of the standard formats used and other applications utilized to improve communication, display business intelligence information, and assist radiologists in their daily workflow.
-Users access the website by authenticating against the enterprise LDAP system eliminating the need to remember a password and username.
-Color-coding and icon displays allow users to quickly identify information and display custom menu preferences saved for users.

STAGE OF DEVELOPMENT

Preliminary software developed.

R&D REQUIRED

Further testing required

LICENSING POTENTIAL

UM seeks to develop and commercialize by an exclusive or non-exclusive license agreement and/or sponsored research with a company active in the area.

CONTACT INFO

Office of Technology Transfer
620 W Lexington St., 4th Floor
Baltimore, MD 21201
Email: ott@umaryland.edu
Phone: (410) 706-2380

Additional Information

INSTITUTION

University of Maryland, Baltimore

PATENT STATUS

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CATEGORIES

- Software + Algorithm

INVESTIGATOR(S)

Ross Filice
Wayne LaBelle

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