



Automated Upload of DICOM discs

Features & Benefits

- Unattended operation
- Patient CDs and Archive discs
- Patient data reconciliation
- Up to 30 full CDs per hour
- 100% DICOM compliant

Radiological imaging data are more and more often stored on portable digital media (e.g. CD or DVD) replacing traditional film. This means that there is an increasing demand to read-in the studies and load the images and reports to a PACS. Reading in CDs manually, one by one, can become a time consuming and cumbersome process at the front desk.

The Perennity Dicom Uploader allows automating this process by using a robot to load the discs and upload their content to your PACS or diagnostic workstations. Perennity Dicom Uploader dramatically simplifies the handling of patient CDs.

Reconciliation of patient data

Uploading studies and DICOM images is one thing. Making sure that the DICOM metadata of the uploaded images are matching with the patient records is a different challenge. The patient ID may not match simply because the DICOM examination has been processed in a different radiology institution than the one where the images have to be uploaded. The patient name can be misspelled or the birthday wrong.

Perennity Dicom Uploader provides a powerful reconciliation tool. The process is straightforward, accurate and efficient. Prior to upload the studies from the patient CD, Perennity compares the patient ID, name, birthday and sex of the images stored on the CD with existing patient data stored in the PACS or the RIS of the hospital.

If the patient data are 100% matching, the DICOM images are automatically uploaded. If one of the metadata (the patient ID, name, birthday, sex) is not matching, the upload is set on hold.

A user friendly application will provide you with the list of those studies. Perennity will try to find similar patient records in your PACS or RIS using a worklist. If you find a similar record in the suggested list, simply select the right patient and the DICOM images will automatically be updated with the right information prior to be uploaded to your PACS or workstation. If no patient data is found, you can manually update the DICOM tags (e.g. the patient ID).

Reconciliation data sources

- Perennity Dicom database when using Perennity as a DICOM archive
- Any DICOM 3 compliant PACS
- A DICOM Worklist (e.g. based on the new admitted patients in the RIS or the HIS)

Performant

The Perennity Dicom Uploader is able to upload 30 CDs per hour (based on a two drive Rimage robot). Thanks to our flexible reconciliation algorithm, patient data validation will only take a few minutes of your valuable time per day.

Optimize your existing investments

More and more clinics and hospitals are already using a Rimage CD robot to produce patient CDs. Actually, you can use the same Rimage robot to automate the upload of the patient CDs using Perennity Dicom Uploader. So, no need to buy any additional equipment.

Fully DICOM compliant

Perennity Dicom Uploader works with any DICOM compliant PACS, diagnostic workstation from any vendor.



Automated CD/DVD/BD upload of Patient CDs and DICOM Archive discs thanks to the state-of-the-art Rimage production robots.

How it works ...

System requirements

Hardware

Rimage Professional series
Rimage Producer III series
Rimage software suite 8.x

Operating system

Windows 2000, XP, 2003
Windows Vista & 7
JAVA (JRE 1.6) required

Memory

2GB RAM

Processor

Dual Core processor

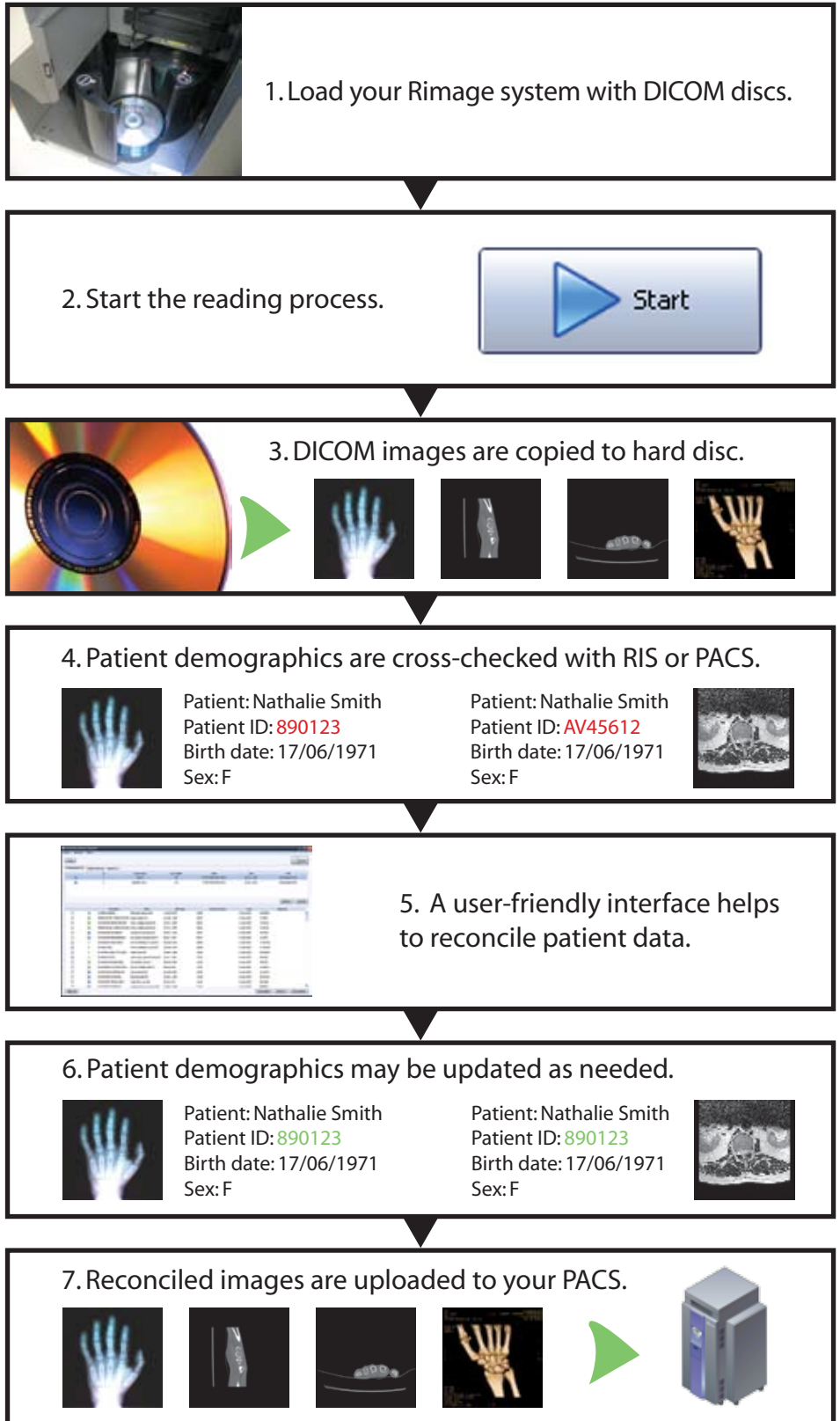
Hard disk space

At least 250GB
Two HDDs minimum

Database

MySQL, MS SQL Server,
MSDE or Oracle*
databases

* on request



Partner

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