

Importing External Studies into the Image Network Gustave Roussy Institute – Léon Bérard Center

CD-in : For automating patient CD import into the PACS.

In 2008, the Gustave Roussy Institute (France) imported more than 20,000 external studies (IRM, PET, TDM) into their image network using the CD-in software.

CD-in: An easy-to-use solution for importing patient CDs at the admission desk

The **CD-in** solution is a light-weight and automated application for importing image CDs produced outside or inside the institution into the PACS. Once CD image identifiers have been reconciled with the institution data, studies can be imported into the internal image network.

“Studies are imported at the admission desk while the patient is waiting which saves valuable time during consultations since physicians do not need to manipulate patient CDs.”

An acknowledged solution for major hospitals

Since its release, CD-in has become a key tool for numerous image networks.

In France, user feedback from IGR and the Léon Bérard Center (CLB) in Lyon, two major cancer centers, helps us continuously optimize CD-in capabilities.

CD-in has also been deployed in the United-States (Cleveland Clinic), Canada, Japan (Keio University Hospital) and also in Europe, for example, in Germany (Helios Klinikum), Switzerland and Austria, which has convinced us that it is a universal product.

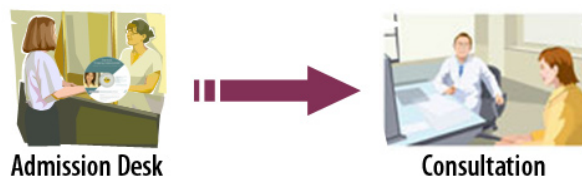


Figure 1: CD-in makes it possible to import patient CDs at admission desks very easily. Studies are thus available instantly when consulting patients. And also, the entire patient record is secured at a single point on the PACS.

Gustave Roussy Institute (Paris area)

“By importing image CDs at the admission desk using CD-in we have the guaranty that physicians can access the content of these studies while consulting patients in a consistent way. This makes image review easier and eliminates the need to carry CDs across departments. Also, studies are imported at the admission desk while the patient is waiting which saves valuable time during consultations since physicians do not need to manipulate patient CDs before starting the consultation itself.” Claude Ruelle, PACS Administrator at the IGR, declares.

Léon Bérard Center (Lyon)

At the Léon Bérard Center, over 1,400 external CDs are imported into the image network per month.

"The CLB, a regional cancer center, has been a filmless hospital since 2005 thanks to the CD-in software that handles all studies produced in other institutions. This way of importing studies provides the following benefits:

"We import more than 17,000 study CDs per year, which virtually makes CD-in our first imaging modality."

- **For radiologists:** At any time, they can access the history of studies made within or outside the hospital. This is crucial for patients' follow-up especially in a cancer center.
- **For physicians:** Physicians can simultaneously access both in-house studies and external studies directly from within our Electronic Health Record using a single viewer. Before CD-in was implemented at the CLB, physicians had to cope with various viewers available on CDs and to manipulate CDs before they could actually start their consultations, which resulted in a waste of time.
- **For patients:** They attend the hospital only once with their studies produced outside the CLB.

We import more than 17,000 study CDs per year (that is more than 15.5 million images), which virtually makes CD-in our first imaging modality. In 2009, for example, this amounted for more than 60% of scanner images imported into our PACS.", François Becker, PACS administrator at the CLB, declares.

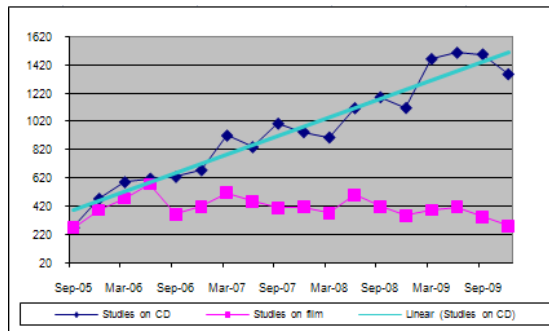


Figure 2: Number of studies imported at the CLB per month ([BIR08]):
Blue: Number of studies on CD imported using CD-in.
Pink: Number of studies on film imported¹.

Over 1,400 CDs are imported per month: the time saved and the import procedure are crucial aspects.

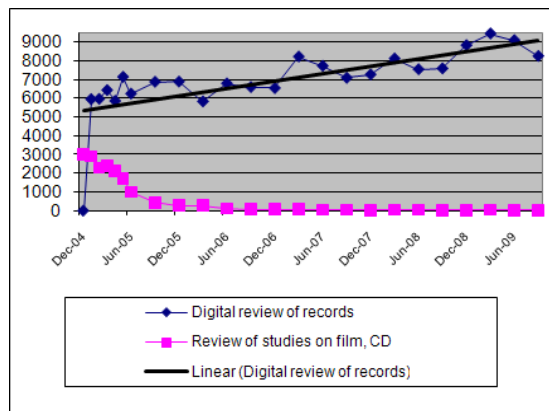


Figure 3: Access to studies ([BIR08]):
Blue: Digital review of studies via the Electronic Health Record (EHR).
Pink: Review of studies on film, CD.

Importing studies into the EHR makes it possible to drive duplication expenses down.

For more information on CD import:

- [BIR08] *Comment gérer l'imagerie médicale produite à l'extérieur de l'hôpital ?*, P. Biron, P. Thiesse, F. Becker, M. Perrossier and T. Durand; J. Radiol 2008;89:521-3; Éditions Françaises de Radiologie
- *External Examinations on Film or CD imported into the PACS using DICOM Izer VIDAR and CD-in*, ETIAM Case Study, www.etiam.com
- *New England Baptist Hospital, Open LiteBox*, ETIAM Case Study, www.etiam.com
- *Enterprise CD Importer and Universal Viewer, Open LiteBox*, ETIAM Solution Sheet, www.etiam.com

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1 see also DICOM Izer VIDAR