TRIBVN

HEALTHCARE

Encourage the development of innovative activities through the creation of a bio-pathology cluster

Dijon University Hospital carries out diagnostic, research and university education missions. It is an institution of progress, focused on the patient's care.

CHU
Centre Hospitalier Universitaire
Dijon

November 2013

The context

In 2008, the hospital was equipped with a new Biology Technical Centre in order to optimize resources and group together the laboratories' skills.

This pooling of services has made it possible to improve diagnostic performance and encourage the development of innovative activities. Productivity gains have been generated by the rationalization of production structures and processes. The technical platform also offers better traceability of samples and results. Interactions between laboratories are optimized within a structure equipped with modern and secure facilities.

In order to achieve these objectives but also to be at the cutting edge of modernity, the Biology Technical Centre has equipped itself with a high-performance digital imaging network.

The deployed solution :

CaloPix image management software has been deployed in the pathology laboratory. It ensures simple and secure slide management in conjunction with the laboratory management system. The images are produced via the Macro by TRIBVN solution in macroscopy and acquired by digital cameras in microscopy.

A scanner is connected to CaloPix software for the production of virtual slides. Thanks to its barcode management, the slides are automatically indexed in the image database under the corresponding patient file number.

The image workflow is now fully traceable and secure, and the production of slides reproducible. Physicians can easily view and annotate the slides on the screen. Thanks to CaloPix Pocket web application, they share their images outside the service, which allows them to make the link with clinicians.

In addition, TRIBVN Healthcare has installed its tele-medicine application TeleSlide. It enables exchanges between doctors at a regional level in order to develop cutting-edge activities that meet the vocation of a reference centre. They can now submit requests for advice to improve the diagnostic accuracy of the most difficult clinical cases.

The benefits :

- Standardization of information systems
- Centralization of data and images
- Strengthened link with clinicians

Thanks to the implementation of all these new digital technologies, the pathology laboratory at Dijon University Hospital today benefits from an environment that conforms to a modern and qualitative bio-pathology.

Testimonies

Prof. Laurent Martin - Head of Department (PU-PH)

« The implementation of a high-speed slides digitization system is part of the evolution of the Pathology Department at Dijon University Hospital. »

« The solution implemented by TRIBVN Healthcare offers many advantages. It allows, in the service, an easy and secure management of the slides which are associated with the LIS files. »

« Outside the Department, the sharing of images with our clinical colleagues at multidisciplinary meetings was greatly appreciated. »

Franck Ilgart - Project Manager (Information Systems Direction)

« The data storage, several tens of terabytes, did not require a significant investment in terms of budget because of the technologies used by the application: a slow storage NAS type proved sufficient.

« The strong involvement and responsiveness of TRIBVN Healthcare's pathologists and contacts in this specific professional project enabled the schedule to be kept, while taking users' needs into account. »

Brigitte de Boulard - Health Executive

« Digitizing slides is a process that requires human resources. This is a new task for the Pathology Department. After testing several configurations, we believe that the technician is the most suitable staff to perform this task, which will, in the near future, allow the virtual distribution of the « tray ». The new position that has just been created in the department thus includes the digitization of slides and the associated tasks: import, verification and quotation. »