



## Feedback on the CARESTREAM DRX-Revolution System Installed at Hôpital Tenon, Paris



*Hôpital Tenon, APHP, Paris*  
© Laurent Kruszyk – Ile de France region

### **Solution validated as providing 50% reduction in X-ray Dose**

During a programme to modernise its buildings and equipment, Hôpital Tenon purchased the brand new generation of mobile X-ray units from Carestream Health, the DRX-Revolution. The radiology department's healthcare manager, Eric Quehen, gives us his impressions.

### **Can you tell us about your department?**

Hôpital Tenon is part of the group of university hospitals in the east of Paris in the public hospital system (APHP). It is a 564-bed hospital and our radiology department performs 500 to 600 examinations a day, of which 40 to 60 are X-rays in bed. The department has a staff of 101 and our technical capability comprises two MRIs, two scanners, three bone and chest rooms, one room operated by remote control and 12 mobile X-ray units.

### **What were the reasons for your project?**

The relocation into new buildings completely changed the area in which X-rays are taken in bed. The old architecture was replaced by a building where the resuscitation departments are all on just one level, together with the thoracic surgery department. These two departments together make up 70% of the X-rays taken in bed. It became clear that it would be a good idea to have a mobile DR unit.



*Eric Quehen, Healthcare Manager*

### **What were the key points in this project?**

We wanted to have a system that was very easy to manoeuvre and operate so that it could also be used in the emergency department (short-term hospitalisation), and above all provide us with excellent image quality combined with a low dosage. To be sure we were making the right choice, we tested the DRX-Revolution for four days. Carestream got very good feedback. It turns out that the system has plenty of

## Testimonial | Hôpital Tenon, France

innovations that make it very easy to use day to day, such as the option of simply putting a protective cover over the detector or its telescopic column, which means you can see over it when taking it along corridors. You get the feeling that this product has been developed with the involvement of radiographers.

### **Now that it has been in use for six months, what benefits does the DRX-Revolution offer?**

Today 60% of X-rays taken in bed are done using the DRX-Revolution. The team has taken to it very well, even those who were very attached to the old, but smaller mobile unit. Training was quick and it didn't take them long to get to grips with it, particularly since we already had a DRX-Evolution emergency table and a DR7500 from Carestream whose interfaces are practically the same. The fact that we are working with three compatible detectors in all (two on the emergency table and one on the mobile unit) gave us a real sense of security. We have had very positive feedback from the resuscitation department who particularly like being able to control the positioning of a probe "live", as well as the contribution made by the function that allows specific image processing to visualise catheters, tubes, etc. Lastly – and this has been validated by the person with

competence in radiation protection (PCR) – we have been able to reduce the dosage by 50%.

### **How do you see your technical equipment evolving?**

We're very pleased that 70% of our technical equipment is new, which also means that we won't have to invest much in the near future. Even so, I'm very interested in the new DRX 2530C detector, which would be a great addition to our existing DR equipment.



*DRX-Revolution Mobile X-Ray System*



DRX-Revolution is a medical device class 2b manufactured by Carestream Health Inc., whose conformity assessment was conducted by BSI. It is intended for the production of digital radiographs.