

Merlin D-Rad[™]

Answers to Questions You May Have About Merlin D-Rad[™]

Q. Will the use of a digital x-ray system require higher doses of radiation to get images of the same quality as I get from my current system?

A. Our digital x-ray system was designed to use similar techniques as conventional x-ray systems, thus not over exposing the pet or the professional staff using the system. Additionally, with the ability to reprocess and optimize images for select areas, you may be able to reduce total exposure through fewer retakes. (A technique chart is available for specific details on exposure.)

Q. I have heard that many digital x-ray systems are designed with the vital electronics in the beam path of the X-Ray and that this can impact the life of the system. Is Merlin Digital Technology's system built this way?

A. No. We have taken special care to design the system with the electronics out of the direct path of the X-Ray beam. In fact, we have taken over 50,000 images on a single system without any degradation of the images and without any system failures.



Q. Do I have to replace my current x-ray system?

A. No. Our digital x-ray technology can be retrofitted to work with nearly every x-ray table manufactured and does not require integration into the x-ray generator to produce the digital image. What it does eliminate is the need for an x-ray film processor, film chemicals and the storage area for the traditional x-rays.

Q. How much time will be required to retrain my staff to use digital radiography?

A. Basically no time is required as we are utilizing the existing system that your team is already familiar with. All you have to do is follow the digital x-ray technique chart and properly position the pet. There will be some time required to learn the

software for image manipulation, but we have designed it to be very user-friendly by using icons and familiar buttons to aid in the simplicity of use.

Q. Will the Merlin Digital Technology system allow me to send x-rays to a specialist?

A. With our system the images are stored electronically, making transmission to a specialist via e-mail or CD simple and immediate. In addition, we offer you the option of storing your images on a hard drive at your hospital or remotely.

Q. Will the storage comply with my local state board requirements?

A. Yes

Q. Once I've taken the x-rays, how do I show the image to a client?

A. Our system can be easily linked to a monitor in one or multiple exam rooms within your hospital.

Q. I understand that DICOM is quickly becoming the standard for digital technology, and that some systems are not DICOM compliant, and/or compatible. Is the Merlin Digital Technology system compliant?

A. The Merlin system is both DICOM compliant, and DICOM compatible. In addition, our system can save in other formats as needed (i.e. jpg format).

Q. Am I going to have to replace my entire system and make a large investment in radiography?

A. No. We have worked very hard to create an affordable system that capitalizes on your current investment. By utilizing your current x-ray system, reduced space requirements, less time to complete the procedure, reduced stress to both the staff and pet, ease of image storage and reduced maintenance cost our system becomes a good economic choice.