Программное обеспечение для рентген оборудования

Описание

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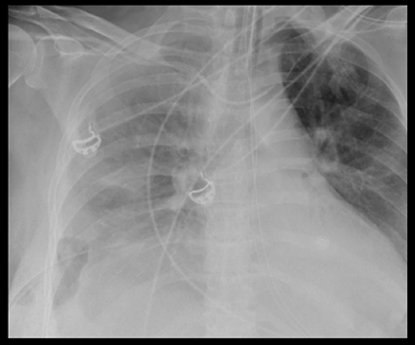
Advanced Edge Enhancement

Improved visualization of tubes, catheters and bone details

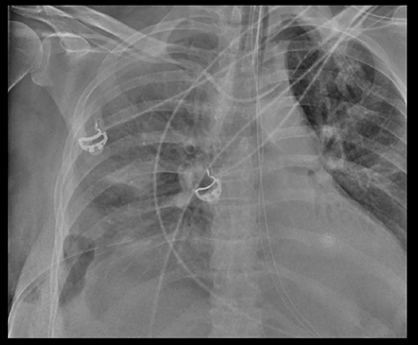
Three different types of Advanced Edge Enhancement are available

Catheter:

This type is to enhance the display of catheters, soft tissues and bone tissues. Select this option when you want to make catheters more visible in mainly adults' chest or abdomen, or when you would like more visibility of soft tissue or bone tissues such as cervical spine, extremities and pelvis.



Before



After

Before

After

Small Structure:

This type is to enhance the display of small structures in the body. Select this option when you want to make catheters used mainly for children or infants more visible.

Bone:

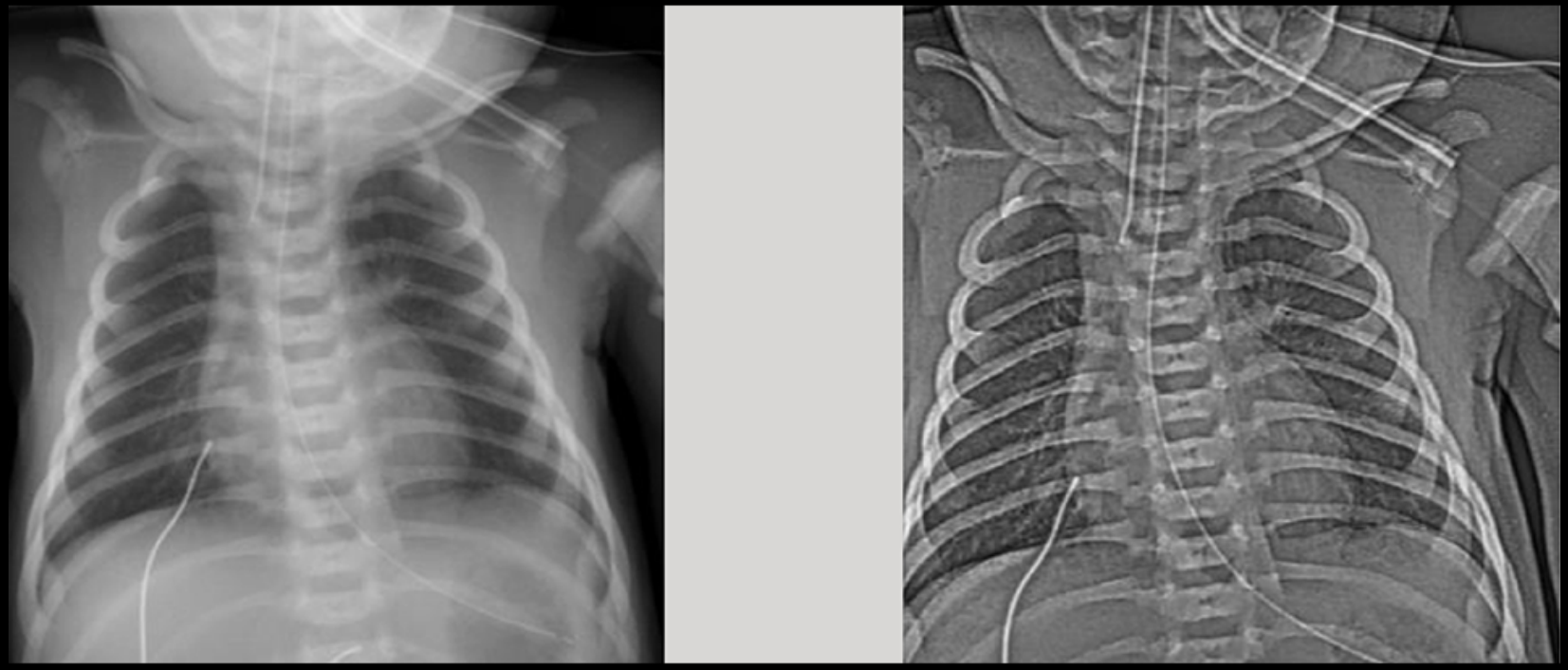
This type is to enhance the edge of bone tissues. Select this option when you want to make bone tissues in full spinal images or full leg images, mainly acquired with long-length imaging, more visible.

Before

After

The software (Advanced Edge Enhancement) has three different image processing algorithms (Small structure, Bone and Catheter)

Examples of a pediatric lung original and with (Advanced Edge Enhancement)



Imaging trial supported and done with courtesy of Mediel AB, Mölndal, Sweden distributer of Canon DR technology since 2001.

Long Length Stitching

Enhanced efficiency for Long-Length radiographic examinations

Features One Shot Long-Length imaging stand

- Patient positioning stand with motorised height adjustment
- Mobile stand with wall docking for convenient relocation
- Large, ergonomic grip rails for confident patient positioning
- Removable grid for pediatric use
- Ability to use existing (3x CXDI-710CW or 3x CXDI-410CW) detectors for costeffective One Shot Long-Length imaging
- Multiroom possibility. Use each available Canon workstation with LLS-1

Enhanced efficiency for your Long-Length examinations

DelftDI LLS-1 Imaging; no need for a dedi-cated Long-Length detector or specialised X-ray equipment

The most common applications for long-length DR imaging are for whole spine and leg radiography. Up till now this was only possible using a specially configured X-ray system with image stitching capability using multi-exposure Digital Radiography (DR), which required three separate tube movements and exposures. As patients for this type of examination are often children, the ultimate solution would be for a single, very short exposure to reduce the possibility of motion artefacts. Now DelftDI brings you single shot Long-Length DR imaging without the need for a dedicated long-length detector, and using wireless detectors that can be used more efficiently in other radiographic applications when not be used for Long-Length imaging.

- One short exposure reduces the possibility of movement artefacts.
- Shorter transit time and more efficient use of an X-ray room.
- Increased patient safety; ergonomic grip rails and shorter time needed to remain position.
- No need for special image stitching X-ray equipment; perform Long-Length imaging in any room with Canon CXDI Control Software NE.

Accurate automatic stitching

Accurate stitching automatically performed by the Canon CXDI Control Software NE ensures that just a single exposure is all it takes. There is no need to manually paste and position images, they are automatically aligned and joined. Furthermore the densities of adjacent images are smoothed to provide a uniform image appearance.

Reduced chance of retakes

As the patient only needs to remain still in the same position for a few seconds,

there is less chance of movement artefacts and positioning error. Therefore the amount of retakes will be significantly reduced and the work flow efficiency will be optimized.

Faster Long-Length studies

Set-up can be quickly performed without the patient in the room. Simply load the wireless portable detectors into the support stand and select the pre-programmed Long-Length protocol on the modality workstation. That's all there is to it. Now the patient can be invited into the room for positioning. After positioning the X-ray tube and verifying the patients' position, the short single exposure can be made.

It's done! The patient can relax immediately and the resulting image is verified at the Canon CXDI Control Software NE workstation. Fast, efficient, accurate and convenient.

Maintain work flow efficiency from your DR system

Now Long-Length imaging will not decrease availability of an X-ray room. With DelftDI One Shot Long-Length imaging, patient transit time is faster with less waiting time and little or no post-exposure image manipulation required.

A cost-effective Long-Length DR solution

Using two or three identical Canon wireless DR detectors ensures detector usage that is maximised and shared across multiple ap plications. So it's not dedicated solely to Long-Length imaging with less frequent and less efficient utilisation.

When one or more DR systems with Canon software are already in place, all that is need-ed is to add the One Shot Long-Length Sup-port Stand.

Choosing versatile DR solutions with Canon software ensures to quickly adopt the latest advances in DR and improve efficiency with a lower in vestment.

Patient safety and comfort:

DelftDI One Shot Long-Length imaging ben-efits patients by delivering a lower radiation dose when compared to multiple exposure image stitching and helps to provide an enhanced patient experience by virtue of a reduced exposure and examination time.


LLS-1
DelftDI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DelftDI

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