CS-7 Universal Controller
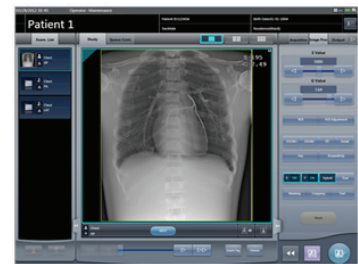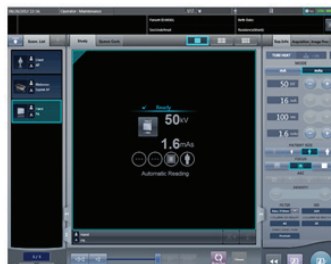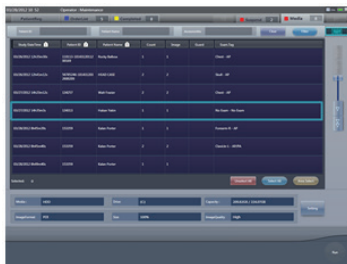

CS-7 Universal Controller is an intuitive PC with a multi-touch flat screen display designed to provide maximum performance with ease of use and clinical confidence in the radiology department. Its sophisticated multiple functions will provide improved workflow of X-ray examinations. Obtain patient/examination information from RIS with Modality Worklist, select a patient, perform the exams, verify images, and send to PACS for radiologist's review/diagnosis. CS-7 can control AeroDR® detectors and Xpress CR® readers and provide a path to selected X-ray controllers. Konica Minolta's *Hybrid (H) Processing* is included with every CS-7 Controller.

Hybrid (H) Processing is a unique image processing technique developed to provide superior image quality and improved patient diagnosis. This enables the technologist to acquire, view, and complete a study in a smooth, time saving workflow, spending less time at the image Control Station and more time with patient care, resulting in improved workflow.

Quick Preview and smart User Interface

After exposure, a preview image immediately appears on the CS-7 console in <u>less than two seconds</u>.
The powerful user-friendly interface provides proprietary functions aiding in quick diagnosis for better patient care.
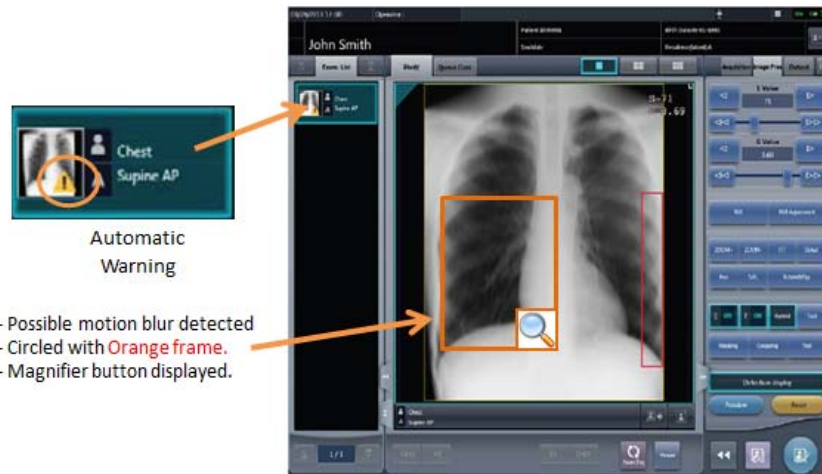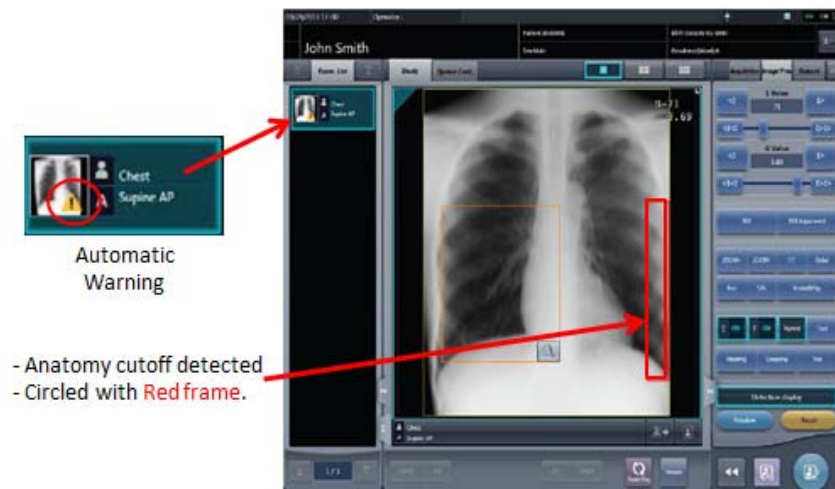
Motion/Lung Detection

Optional/additional CS-7 SW application

Enhance clinical confidence with a SW that automatically highlights potential motion artifacts and possible anatomy cut-off on a chest x-ray, alerting the technologist to potential issues with the acquisition. The software further simplifies workflow with a magnifier button for immediate assessment, which maximizes reliability.

Motion Blur

Automatic Warning

- Possible motion blur detected
- Circled with Orange frame.
- Magnifier button displayed.

Anatomy Cutoff

Automatic Warning

- Anatomy cutoff detected
- Circled with Red frame.

Giving Shape to Ideas
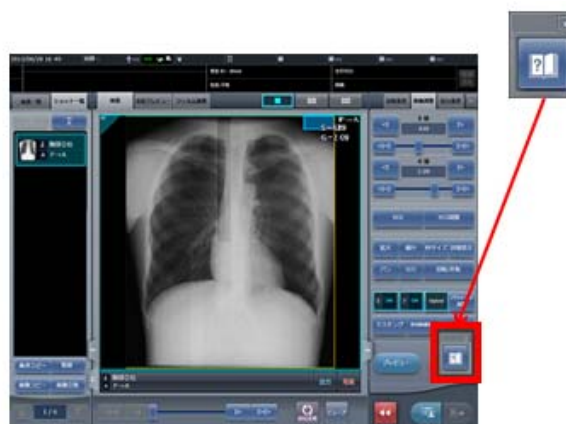
Online Operator Manual

Included CS-7 SW application

Online Operator Manual brings the manual to the end user with the touch of a button. By facilitating access to the system manual the CS-7 simplifies the end user task of referring to the manual.

1. Press **?** on the CS-7 screen. The operator's manual will open in PDF format.

2. "*Touching*" the CS7 screen, will minimize the manual, while the technologist continues performing the exam.
3. Press the "Manual" icon to bring the manual to the front of the screen, if further reference is needed.

4. Close when finished.

Trauma Workflow Feature

<u>Included</u> CS-7 SW application

Technologists have ability to input patient demographics with a single screen touch

<u>*Ease of Use*</u> with a *"Single Button Press"* patient registration

- ✓ Temporarily identifies a patient, to allow *Rapid* exam completion
- ✓ Ability to input partial or fictitious patient information
- ✓ Technologists can predefine selected demographics
- ✓ Example - Generic Name / Generic ID

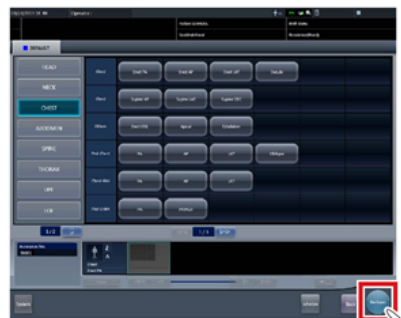<u>Example: Trauma Patient, No Name - 3 steps to get exam</u>
Exams can be copied to the correct patient information at a later time for accurate patient recording
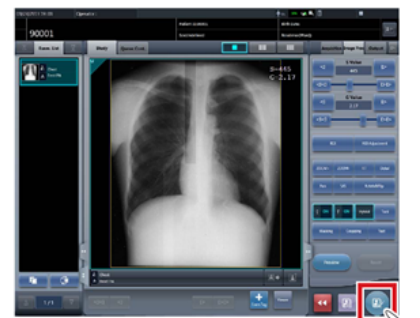

Step 1 — **Press Trauma**

Step 2 — **Select body part**

Step 3 — **Perform exam**

Designed for use in situations where partial or fictitious information is used to temporarily identify a patient for the purpose of delivering imaging as quickly as possible.

Clinical settings include Trauma and ER applications.

End users can predefine certain demographics such as a generic patient name or patient ID. Patient name, ID, Accession #, can be preset to automatically increment each time the trauma button is pressed.

Tube/Gauze Enhancement

Optional/additional CS-7 SW application

Tube/Gauze Enhancement, an *advanced image processing SW* provides the ability to process a normal x-ray image by improving the appearance of fine objects. Examples are PIC lines and soft objects such as gauze.

The *Clinical Image* (processed for diagnosis) and the *Enhanced Image* (processed for object detection) can be sent to the PACS as separate images for *improved patient care*. This allows the receiver of the images to more easily gain access to specialized views for quicker diagnosis.

Chest

Clinical Image & Processed Image

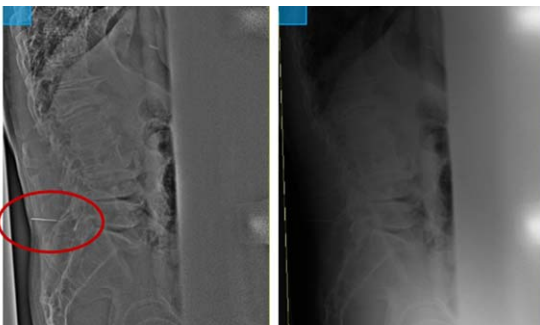Sent to PACS separately

Normal

Enhanced

Ability to send both images to PACS, Automatically

Additional Exam Tags

Auditory organ, Cervical division, Side view of the lumbar spine, Cystography, Maniphalanx bones - overall view, Tarsal, Toe, Toe phalanges - overall view

Lumbar Puncture

Cholangiography

Giving Shape to Ideas