

Communicating Imaging

Designing **innovative**, **user-friendly** and **performing** software solutions to improve diagnostics and meet the digital radiology needs

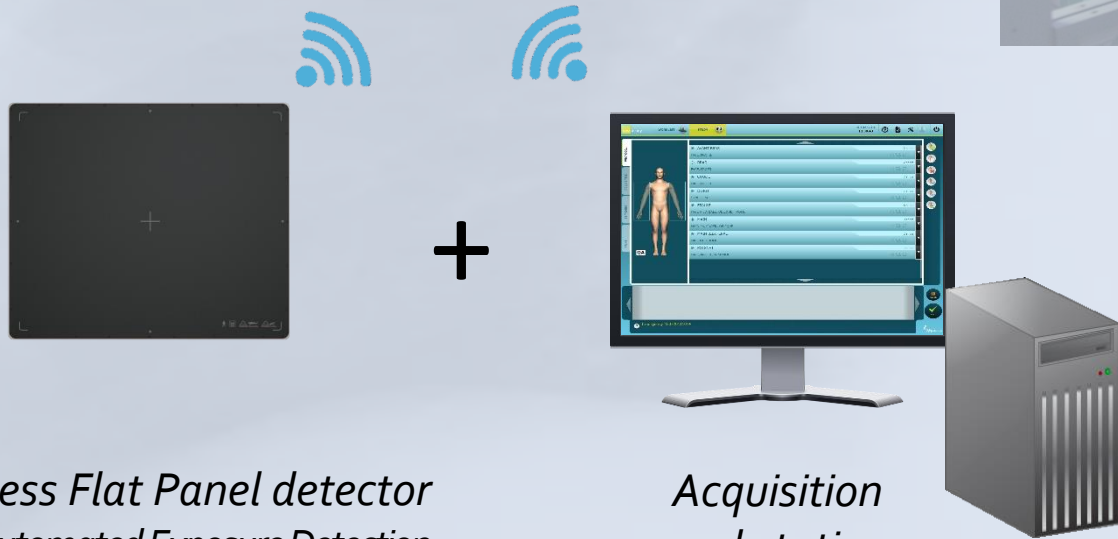
The logo for Medecom features a stylized lowercase 'm' in a blue, cursive font. This 'm' is enclosed within a thin blue square border. To the left of the top-left corner of this square is a solid green square. To the right of the 'm' is the word 'medecom' in a blue, sans-serif font. The 'm' and 'medecom' are connected, with the 'm' acting as the first letter of the word.

medecom

F lat Panel Solutions

Solutions that meet retrofit and mobiles applications needs

Med X Ray



*Wireless Flat Panel detector
AED Automated Exposure Detection*

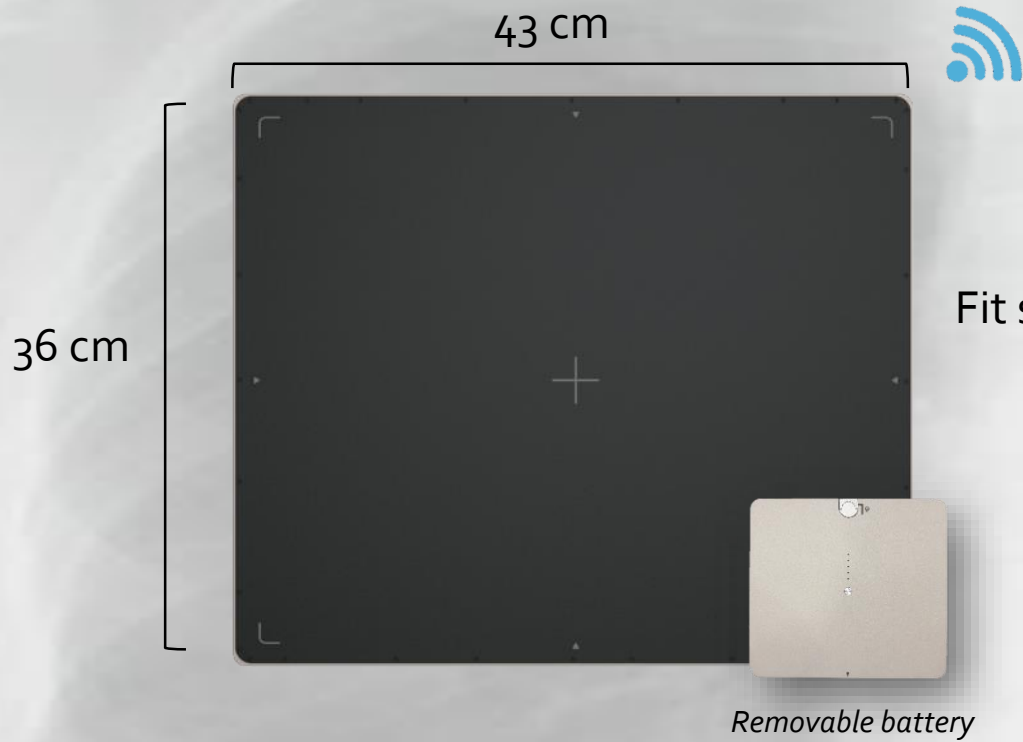
*Acquisition
workstations*



upgrade from analog equipment to DR system

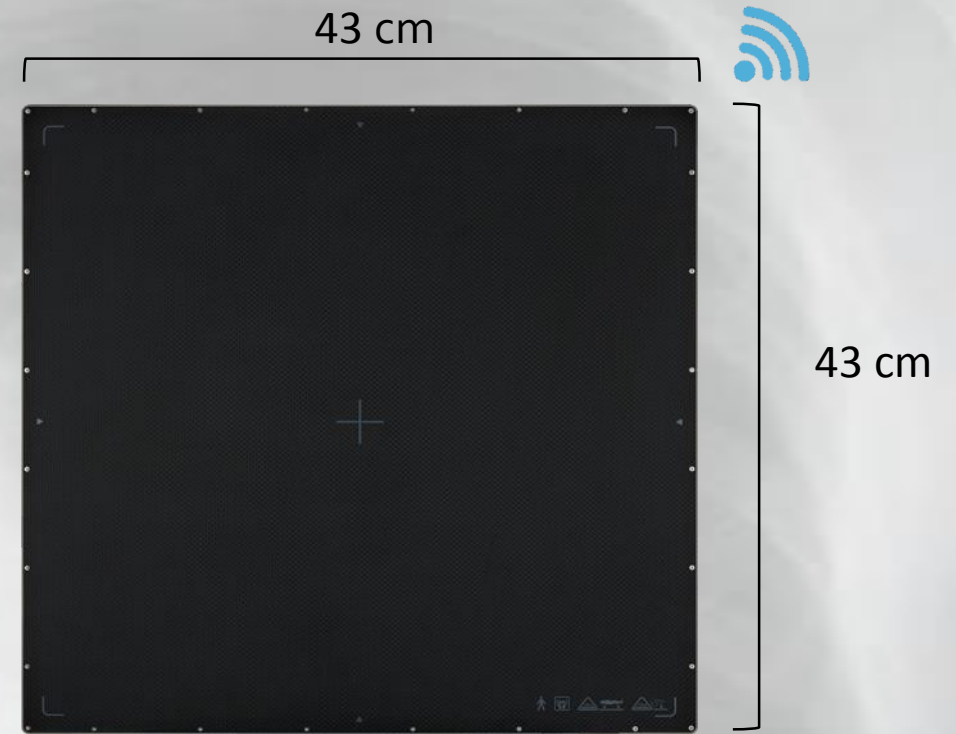
F Flat Panel Models

3643 FPD








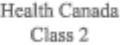


- ✓ Ergonomic design
- ✓ Light
- ✓ Resistant
- ✓ Easy grip & Portable
- ✓ Wi-Fi image transfer
- ✓ Long lasting embedded battery

4343 FPD



- ✓ Robust and simple design
- ✓ High performances
- ✓ Wi-Fi or wired image transfer
- ✓ Wired power with magnetic connection

CHARACTERISTICS			3643	4343
Size			2,98 kg	4,5 kg
Weight			36cm x 43 cm x 14,5 mm	43 cm x 43m x 15mm
Automated Exposure Detection			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Technology			CsI by direct deposition	
Power			Embedded battery 24h wireless operating environment	wired
On board memory			300 images	
Pixel spacing Image quality			140µm Outstanding quality image with high DQE with lower X-Ray dose	
Image acquisition time	Wi-Fi	Preview Full	2 sec 6 sec	2 sec 7 sec
	Wired	Preview Full	2 sec 4,5 sec	2 sec 4,5 sec
Certifications			   	   



Peripherals for the 3643 FPD

Chargers

2 types of battery support available



Slim battery charger easy to handle with a battery knob design



Wireless Power Charging System

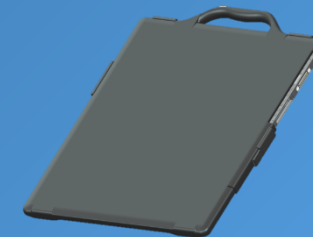
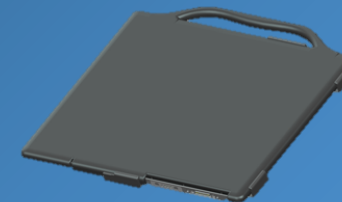
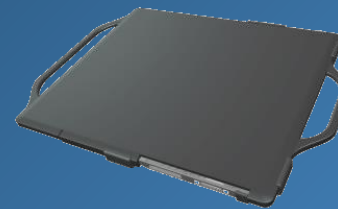
Battery check button and LED indicator



Removable battery

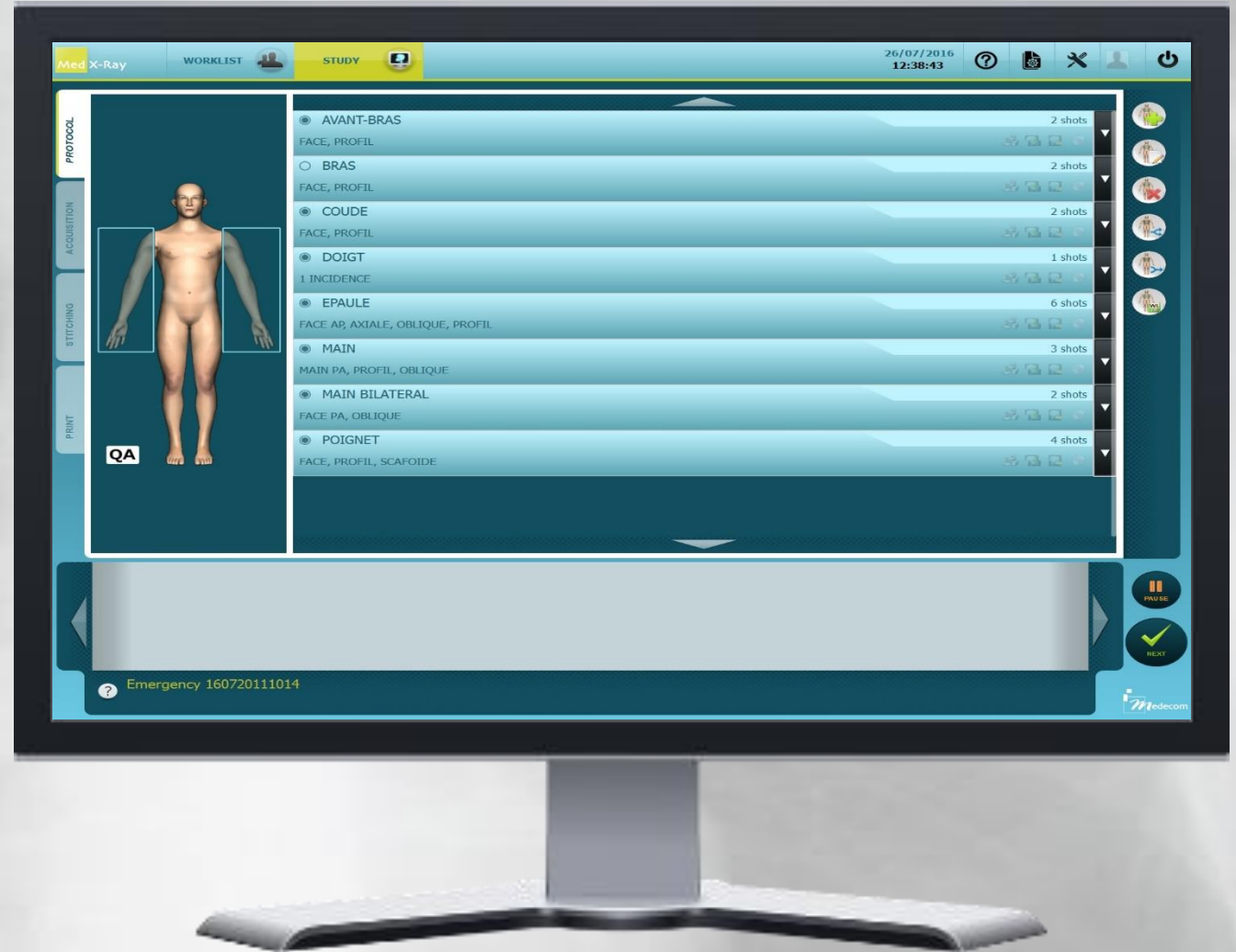
Protection covers

3 types available



Acquisition workstation

User-friendly interface



Acquisition workstation

User-friendly interface

Linked to the patient Dicom worklist

The screenshot displays a medical acquisition workstation interface. At the top, there are tabs for 'Med X-Ray', 'WORKLIST', and 'STUDY'. The date and time are shown as '28/07/2016 11:54:57'. The main area is a table of emergency studies, categorized by 'TODAY', 'HISTORY', and 'BIN'. Each row includes a study ID, a status indicator (e.g., 'DONE | 0/2' or 'PENDING | 0/3'), and a timestamp. The status indicators use green checkmarks for 'DONE' and red exclamation marks for 'PENDING'. The bottom right corner shows 'Number of studies : 127' and the 'medcom' logo.

Category	Study ID	Status	Start/End Time	Date/Time
TODAY	Emergency 160524174611	DONE 0/2	Start: 17:46:11 End: 17:49:58	24/05/2016 17:46:11
TODAY	Emergency 160524172213	DONE 0/3	Start: 17:22:13 End: 17:46:11	24/05/2016 17:22:13
TODAY	Emergency 160524172012	PENDING 0/3	Start: 17:20:12	24/05/2016 17:20:12
TODAY	Emergency 160524171741	PENDING 0/3	Start: 17:17:41	24/05/2016 17:17:41
TODAY	Emergency 160524171539	PENDING 3/3	Start: 17:15:39	24/05/2016 17:15:39
TODAY	Emergency 160524164456	PENDING 1/1	Start: 16:44:56	24/05/2016 16:44:56
TODAY	Emergency 160524164237	PENDING 0/1	Start: 16:42:37	24/05/2016 16:42:37
TODAY	Emergency 160524162517	PENDING 0/2	Start: 16:25:17	24/05/2016 16:25:17
TODAY	Emergency 160524162211	PENDING 3/3	Start: 16:22:11	24/05/2016 16:22:11
TODAY	Emergency 160524161131	PENDING 3/3	Start: 16:11:31	24/05/2016 16:11:31
TODAY	Emergency 160524160744	PENDING 0/3	Start: 16:07:44	24/05/2016 16:07:44
TODAY	Emergency 160524160006	PENDING 2/2	Start: 16:00:06	24/05/2016 16:00:06
TODAY	Emergency 160524154918	DONE 2/2	Start: 15:49:18 End: 15:54:21 - 20160526	24/05/2016 15:49:18

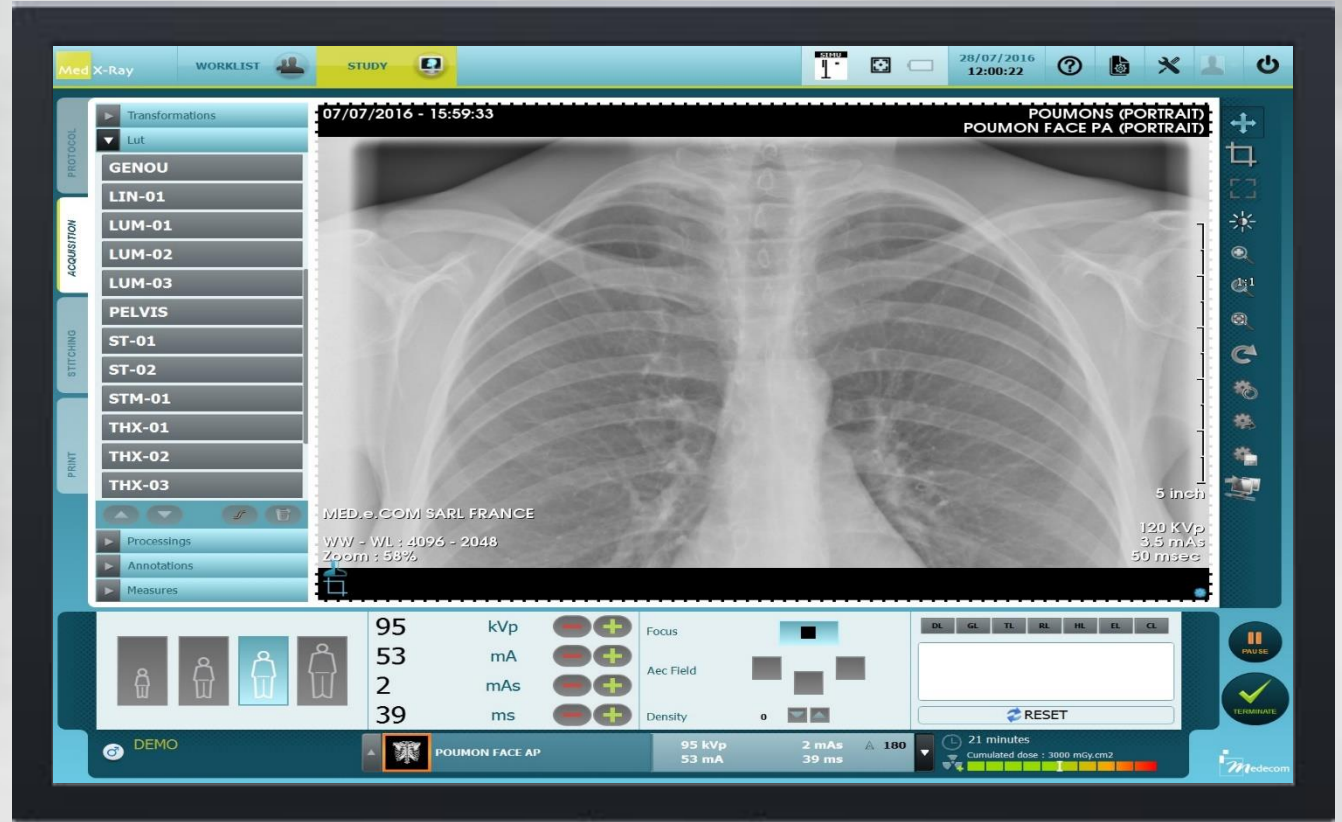
Acquisition workstation

User-friendly interface

Linked to the patient Dicom worklist

Optimized Workflow preset or customized features :

- acquisition protocols



Acquisition workstation

User-friendly interface

Linked to the patient Dicom worklist

Optimized Workflow preset or customized features :

- acquisition protocols
- Image processing



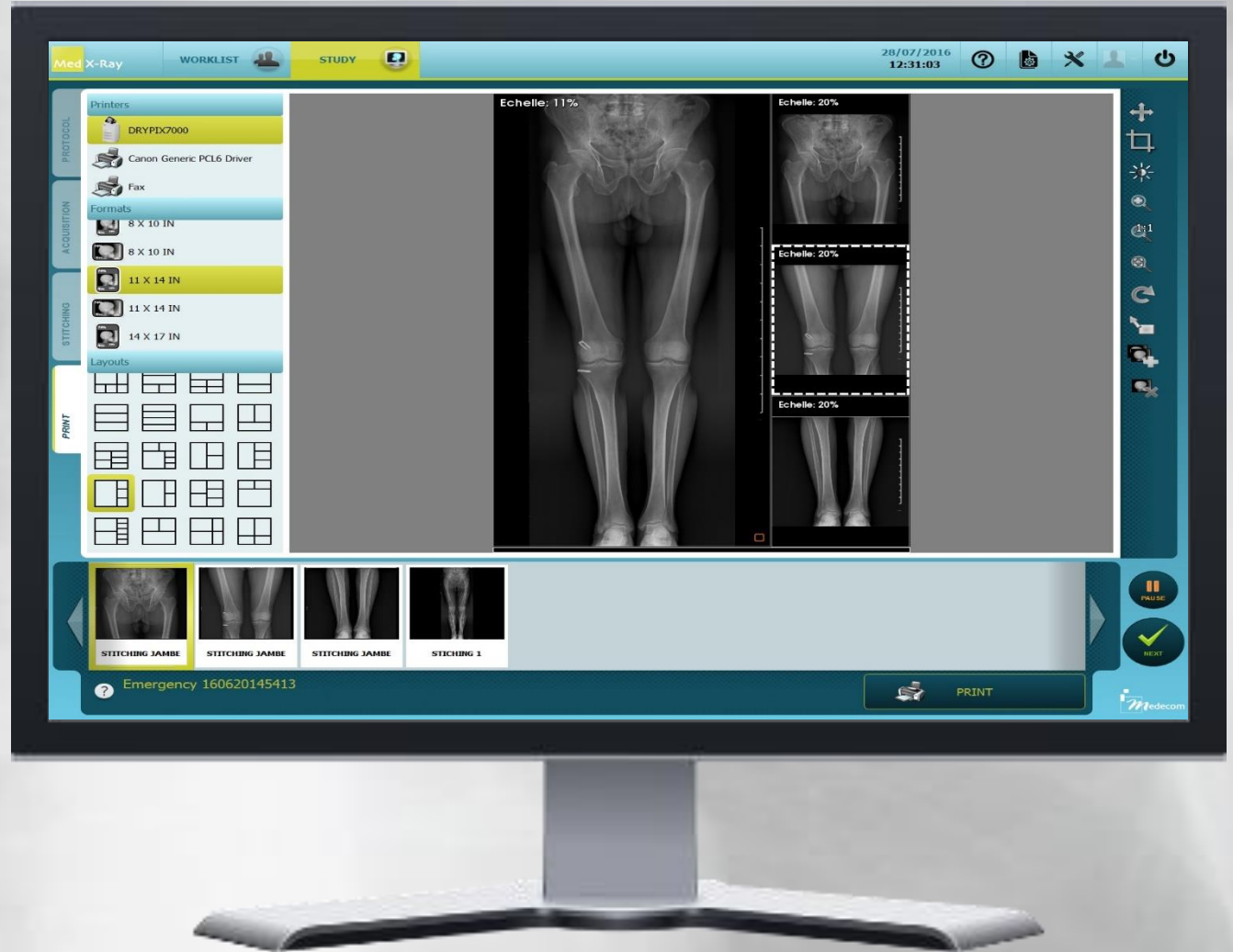
Acquisition workstation

User-friendly interface

Linked to the patient Dicom worklist

Optimized Workflow preset or customized features :

- acquisition protocols
- Image processing
- Layout protocols & efficient printing



Acquisition workstation

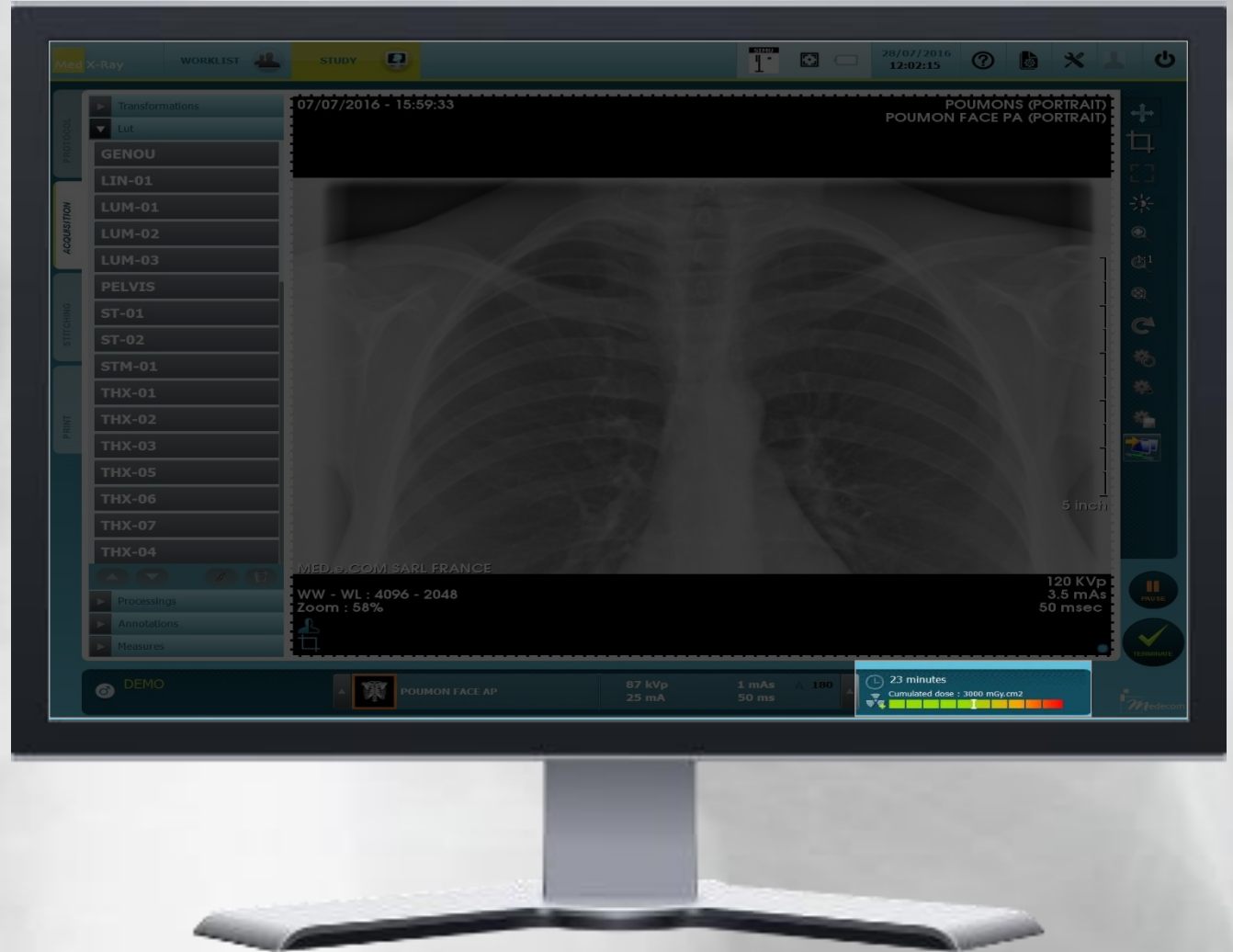
User-friendly interface

Linked to the patient Dicom worklist

Optimized Workflow preset or customized features :

- acquisition protocols
- Image processing
- Layout protocols & efficient printing

Indication of the delivered X-Ray dose value



Acquisition workstation

User-friendly interface

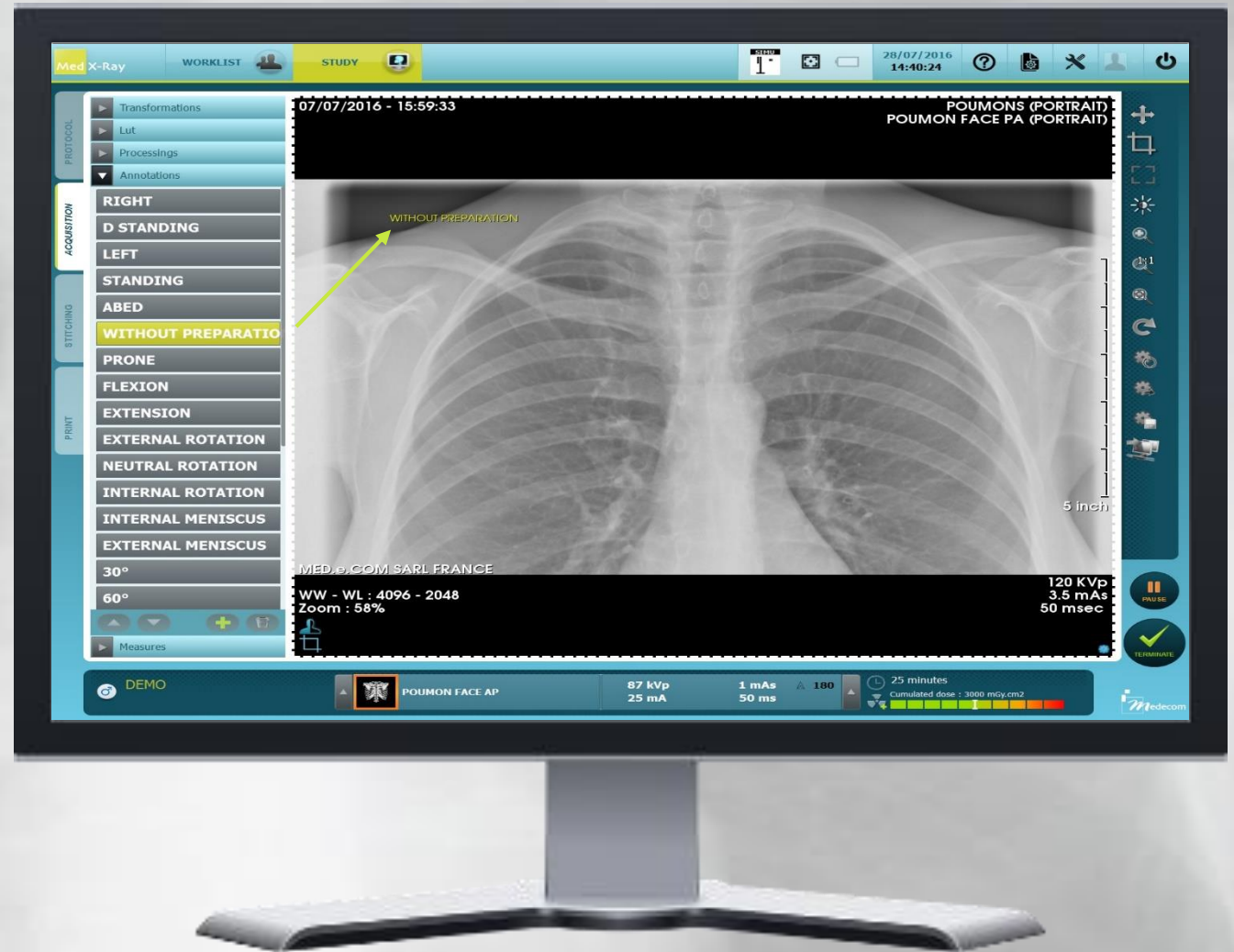
Linked to the patient Dicom worklist

Optimized Workflow preset or customized features :

- acquisition protocols
- Image processing
- Layout protocols & efficient printing

Indication of the delivered X-Ray dose value

Easy integration of presets or customized annotations



Acquisition workstation

User-friendly interface

Linked to the patient Dicom worklist

Optimized Workflow preset or customized features :

- acquisition protocols
- Image processing
- Layout protocols & efficient printing

Indication of the delivered X-Ray dose value

Easy integration of presets or customized annotations

- Burn images on CD/DVD

The screenshot displays the Med X-Ray acquisition workstation interface. The top bar shows 'Med X-Ray', 'WORKLIST', and 'STUDY' tabs, along with a search bar and a date/time display of 28/07/2016 14:59:41. The main area is a table of patient studies, categorized by 'TODAY', 'HISTORY', and 'BIN'. The table columns include Patient Name, ID, DOB, Exam Name, Referring Physician, Status, and Date/Time. A CD/DVD icon is highlighted in the right sidebar, indicating the option to burn images. The bottom right corner shows 'Number of studies : 134' and the Medecom logo.

Patient Name	ID	DOB	Exam Name	Referring Physician	Status	Date/Time
Green Zoe	1607281452	28/07/2003	Knee	Dr Marteen	DONE 0/7	28/07/2016 14:52:57
Populus Mag	1607281451	30/05/1951	Sinus	Dr Druc	DONE 0/2	28/07/2016 14:51:30
Red Olivia	1607281449	07/03/1985	Head	Dr Druc	DONE 0/3	28/07/2016 14:49:24
Brown Martin	1607281448	16/07/2003	Lungs	Dr Truc	DONE 0/2	28/07/2016 14:48:30
Fletch Mark	1607281152	12/05/1988	right foot	Dr Pan	DONE 0/2	28/07/2016 11:52:27
Poster Helen	1607281150	14/06/2016	baby hip	Dr Truc	DONE 0/2	28/07/2016 11:50:46
Steiner Rob	1607281146	28/07/1983	arm	Dr Truc	DONE 0/2	28/07/2016 11:46:33
Emergency 160727095921	160727095921				PENDING 3/3	27/07/2016 09:59:21
Emergency 160727094449	160727094449				PENDING 0/1	27/07/2016 09:44:49
Emergency 160727093256	160727093256				PENDING 8/10	27/07/2016 09:32:56
Emergency 160726123641	160726123641				PENDING 0/0	26/07/2016 12:36:41
Emergency 160726123422	160726123422				DONE 0/2	26/07/2016 12:34:22
Emergency 160720142800	160720142800				RUNNING 1/2	20/07/2016 14:28:00



Acquisition workstation

User-friendly interface

Linked to the patient Dicom worklist

Optimized Workflow preset or customized features :

- acquisition protocols
- Image processing
- Layout protocols & efficient printing

Indication of the delivered X-Ray dose value

Easy integration of presets or customized annotations

- Burn images on CD/DVD
- Push images to any DICOM stations

The screenshot displays the Med X-Ray acquisition workstation interface. The top bar shows 'Med X-Ray', 'WORKLIST', and 'STUDY' tabs, along with a search bar for 'Patient Name or Study Date' and a date/time display of '28/07/2016 14:59:41'. The main area is a table listing patient studies with columns for patient name, ID, DOB, study name, performing/referring physicians, status, and start/end times. A CD/DVD icon in the right sidebar is highlighted with a yellow box, indicating the option to burn images. The bottom right corner shows 'Number of studies : 134' and the 'medcom' logo.

Patient Name	ID	DOB	Study Name	Physicians	Status	Start/End
Green Zoe	1607281452	28/07/2003	Knee	Dr Marteen / Dr Paris	DONE 0/7	28/07/2016 14:52:57
Populus Mag	1607281451	30/05/1951	Sinus	Dr Druc / Dr Fred	DONE 0/2	28/07/2016 14:51:30
Red Olivia	1607281449	07/03/1985	Head	Dr Druc / Dr Yan	DONE 0/3	28/07/2016 14:49:24
Brown Martin	1607281448	16/07/2003	Lungs	Dr Truc / Dr Pan	DONE 0/2	28/07/2016 14:48:30
Fletch Mark	1607281152	12/05/1988	right foot	Dr Truc / Dr Liam	DONE 0/2	28/07/2016 11:52:27
Poster Helen	1607281150	14/06/2016	baby hip	Dr Truc / Dr Grisham	DONE 0/2	28/07/2016 11:50:46
Steiner Rob	1607281146	28/07/1983	arm	Dr Truc / Dr Muche	DONE 0/2	28/07/2016 11:46:33
Emergency 160727095921	160727095921				PENDING 3/3	27/07/2016 09:59:21
Emergency 160727094449	160727094449				PENDING 0/1	27/07/2016 09:44:49
Emergency 160727093256	160727093256				PENDING 8/10	27/07/2016 09:32:56
Emergency 160726123641	160726123641				PENDING 0/0	26/07/2016 12:36:41
Emergency 160726123422	160726123422				DONE 0/2	26/07/2016 12:34:22
Emergency 160720142800	160720142800				RUNNING 1/2	20/07/2016 14:28:00



Acquisition workstation

User-friendly interface

Linked to the patient Dicom worklist

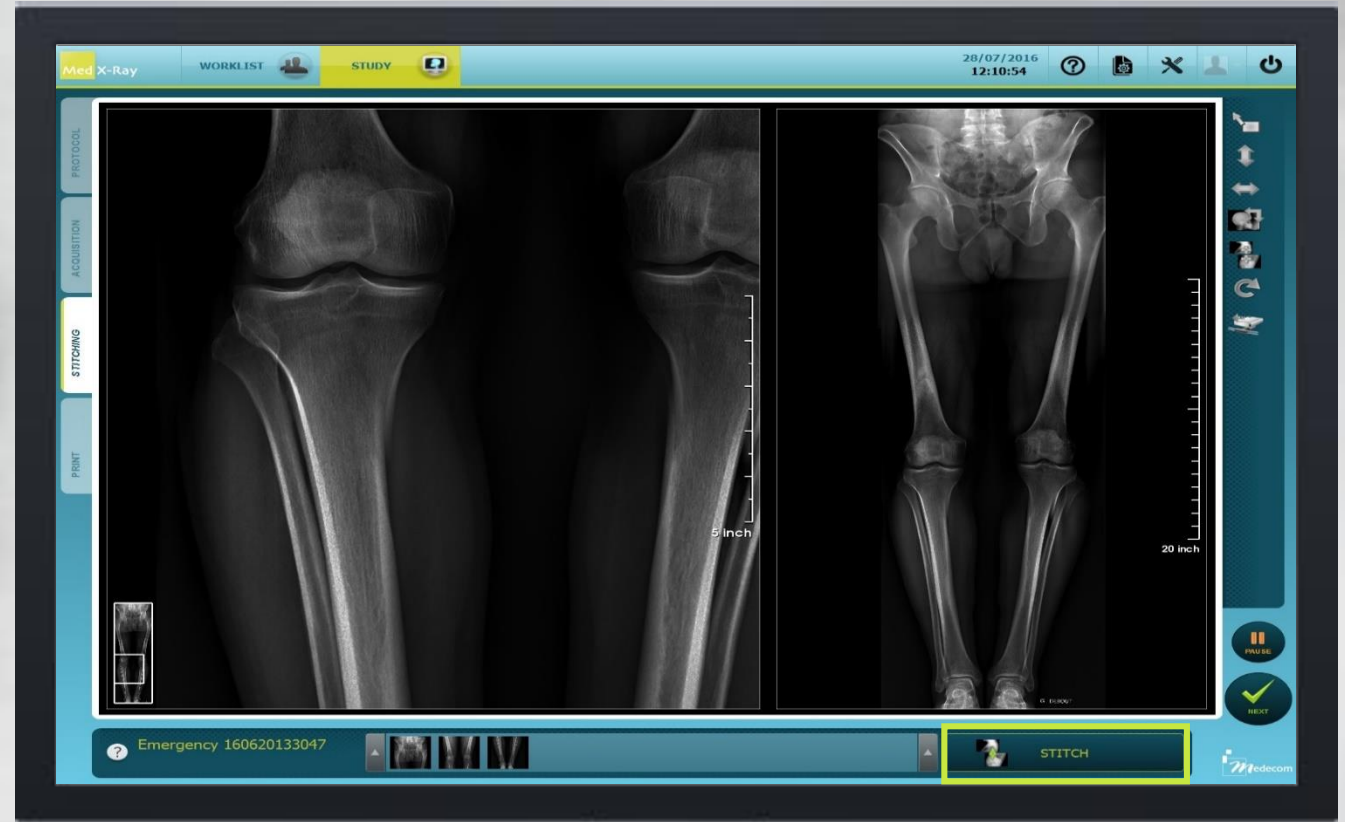
Optimized Workflow preset or customized features :

- acquisition protocols
- Image processing
- Layout protocols & efficient printing

Indication of the delivered X-Ray dose value

Easy integration of presets or customized annotations

- Burn images on CD/DVD
- Push images to any DICOM stations



Stitching option

Acquisition workstation

User-friendly interface

Linked to the patient Dicom worklist

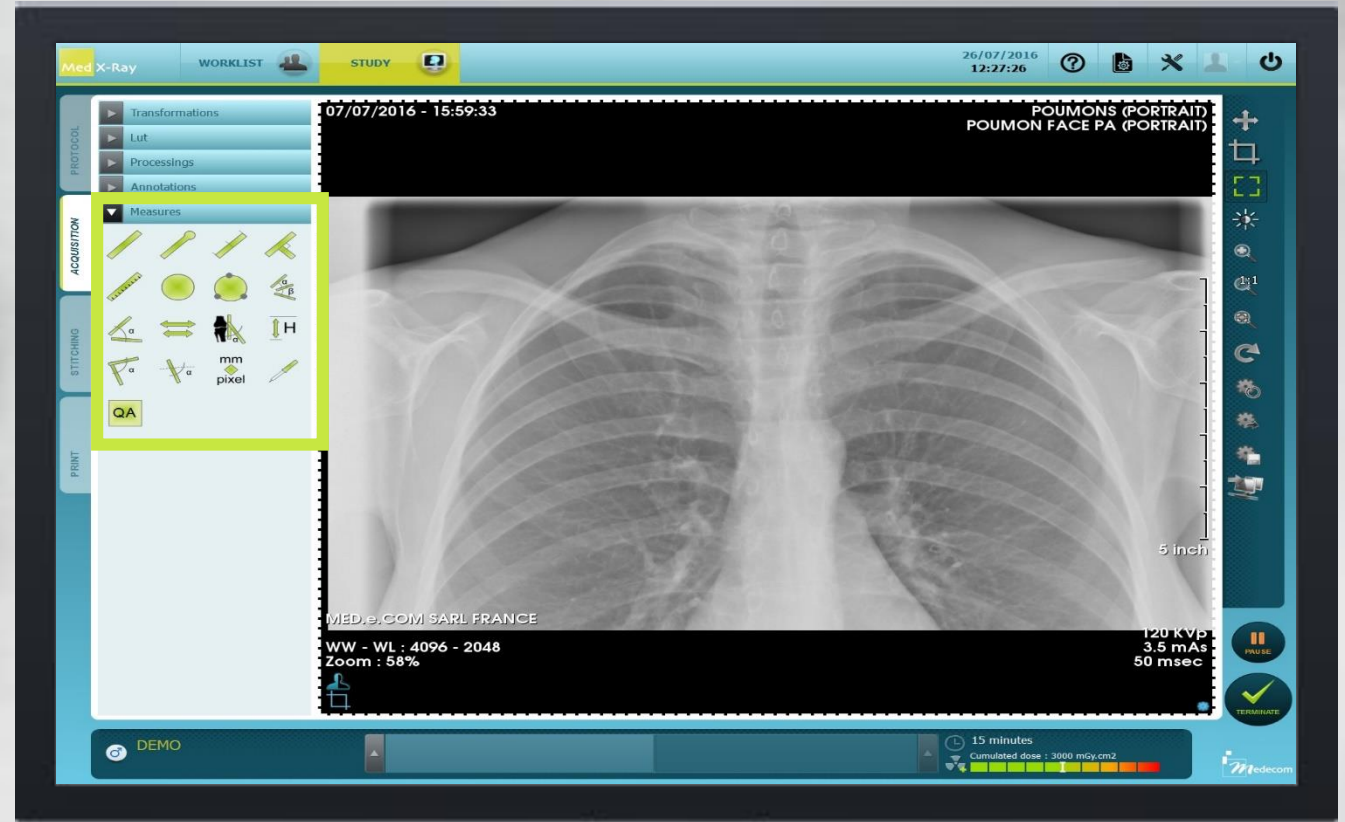
Optimized Workflow preset or customized features :

- acquisition protocols
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Indication of the delivered X-Ray dose value

Easy integration of presets or customized annotations

- Burn images on CD/DVD
- Push images to any DICOM stations



Stitching option

Measurements

Retrofit application

Upgrade the existing equipment

Flat panel fits any bucky trays

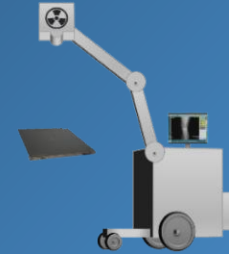
Workflow optimization:

- Link to Worklist
- Ease communication to PACS

Cost effective solution with easy and fast installation

upgrade from analog equipment to **DR** system

Mobile



Standard wallstand Chest X-Ray

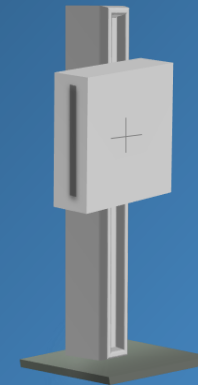


Table bucky



Benefits

Applications

- Retrofit
- Bone and chest X Ray room installation
- Mobile

Performances

- High DQE at high frequency
 - ✓ lower X Ray exposure on patients
- Weight optimization
 - ✓ for AED facilitation and lower background noise
 - ✓ light to carry
- High resolution for high and sharp image quality

DICOM Compliant

- Fits into the workflow
- Compliant with all our solutions
 - ✓ Worklist
 - ✓ Acquisition Workstations
 - ✓ Diagnostic Workstations
 - ✓ Archiving
 - ✓ Web server
 - ✓ Utilities

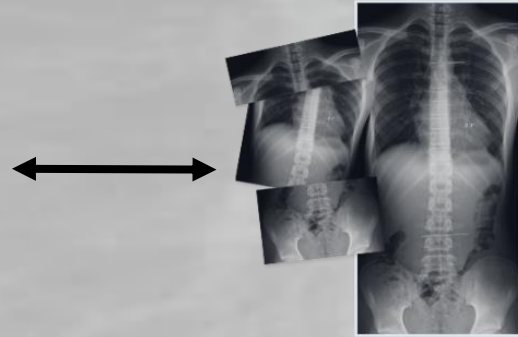
Cost effective solution



Stitching

Images reconstruction

Option of the **Med X-Ray solution**



Our stitching solution has been used for more than 10 years by famous manufacturers

Combines up to six images into one

Stitching

Auto stitching

Applicable on spinal column or lower limbs



Stitching

Auto stitching

Applicable on spinal column or lower limbs

The end result after one click



Stitching

Semi auto stitching

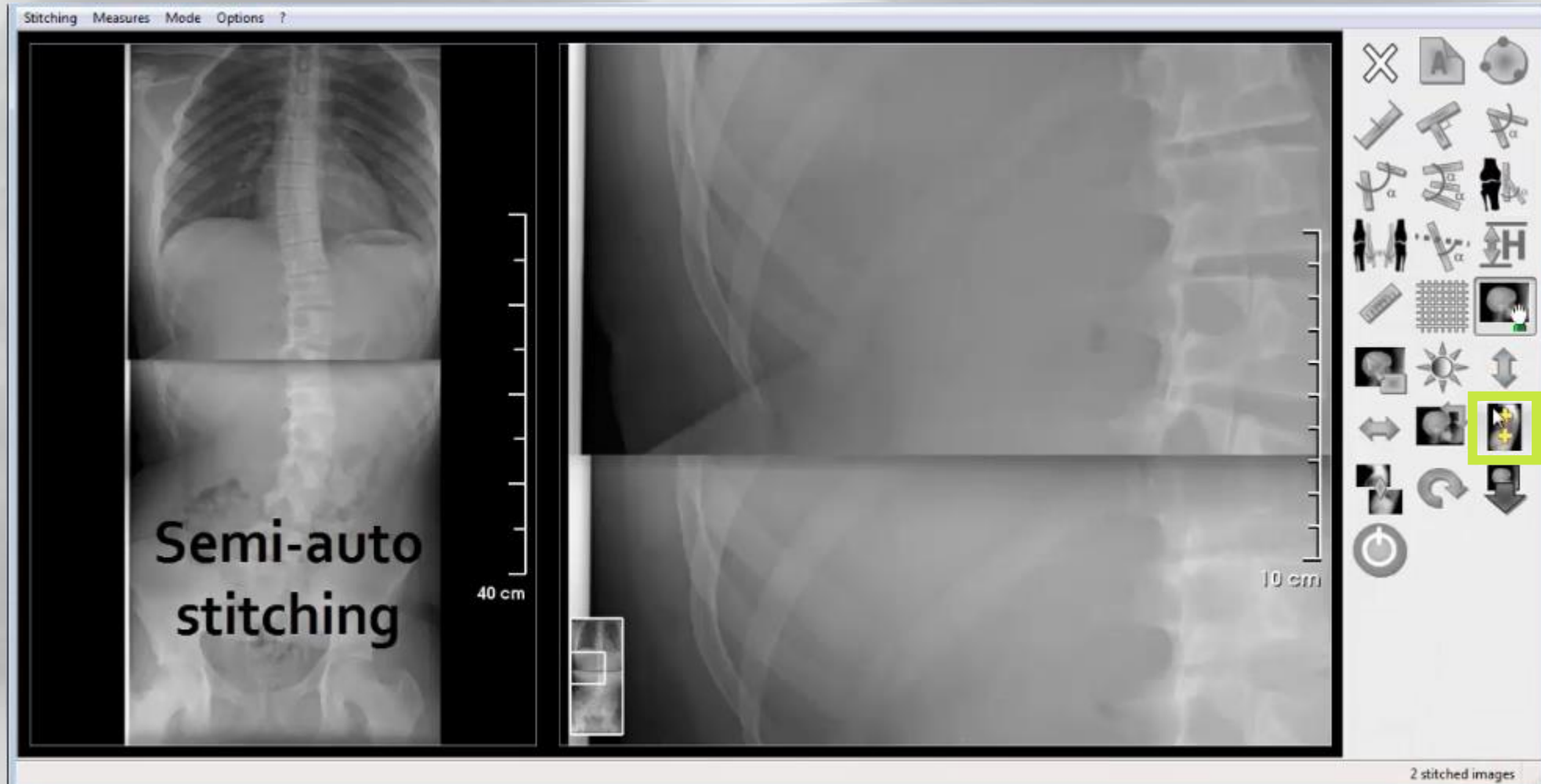
Applicable on spinal column or lower limbs



Stitching

Semi auto stitching

Applicable on spinal column or lower limbs

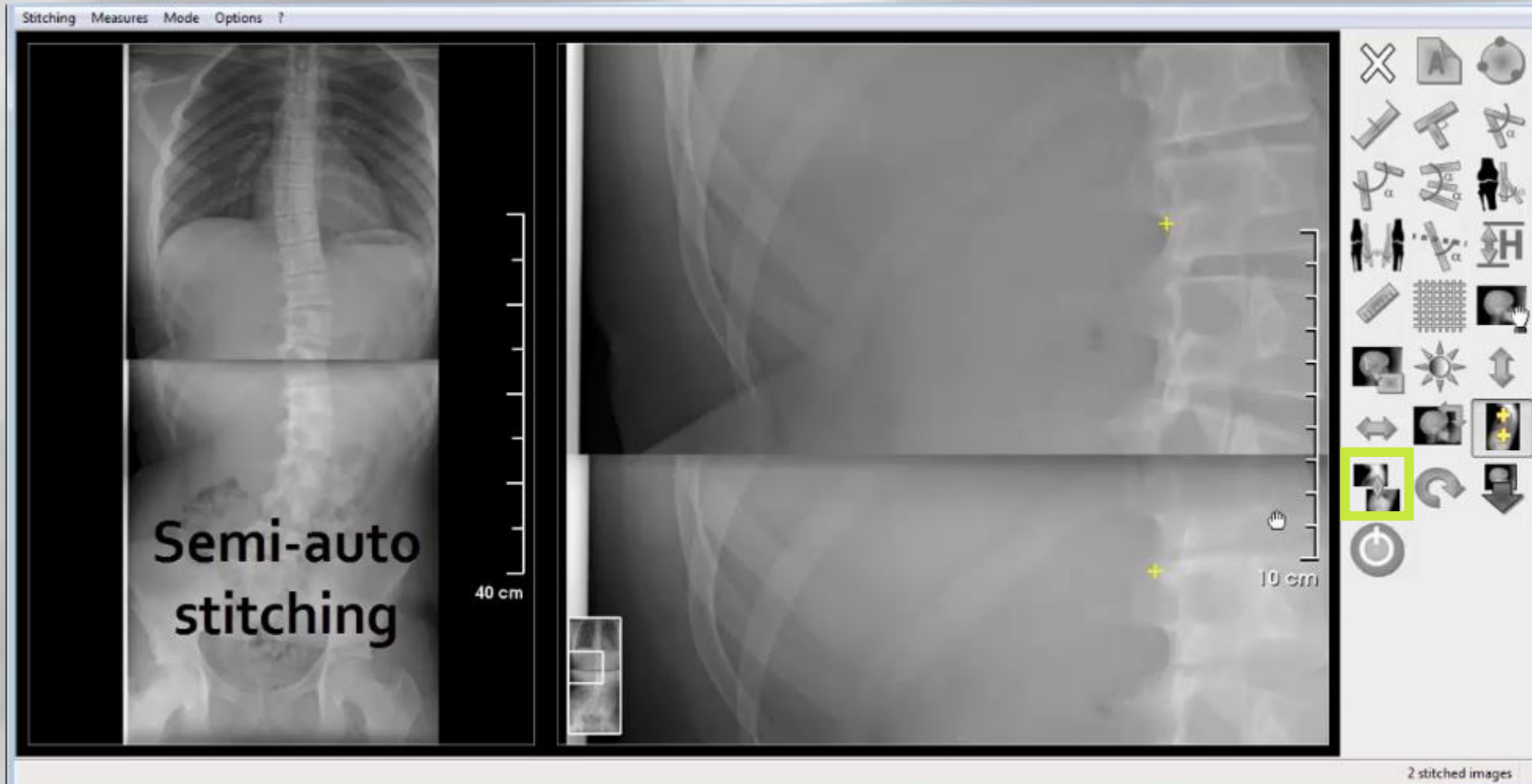


Select the fiducial point drawing feature

Stitching

Semi auto stitching

Applicable on **spinal column** or **lower limbs**



Step1: Draw the 2 fiducial points

Step2: Select the stitching function

Stitching

Semi auto stitching

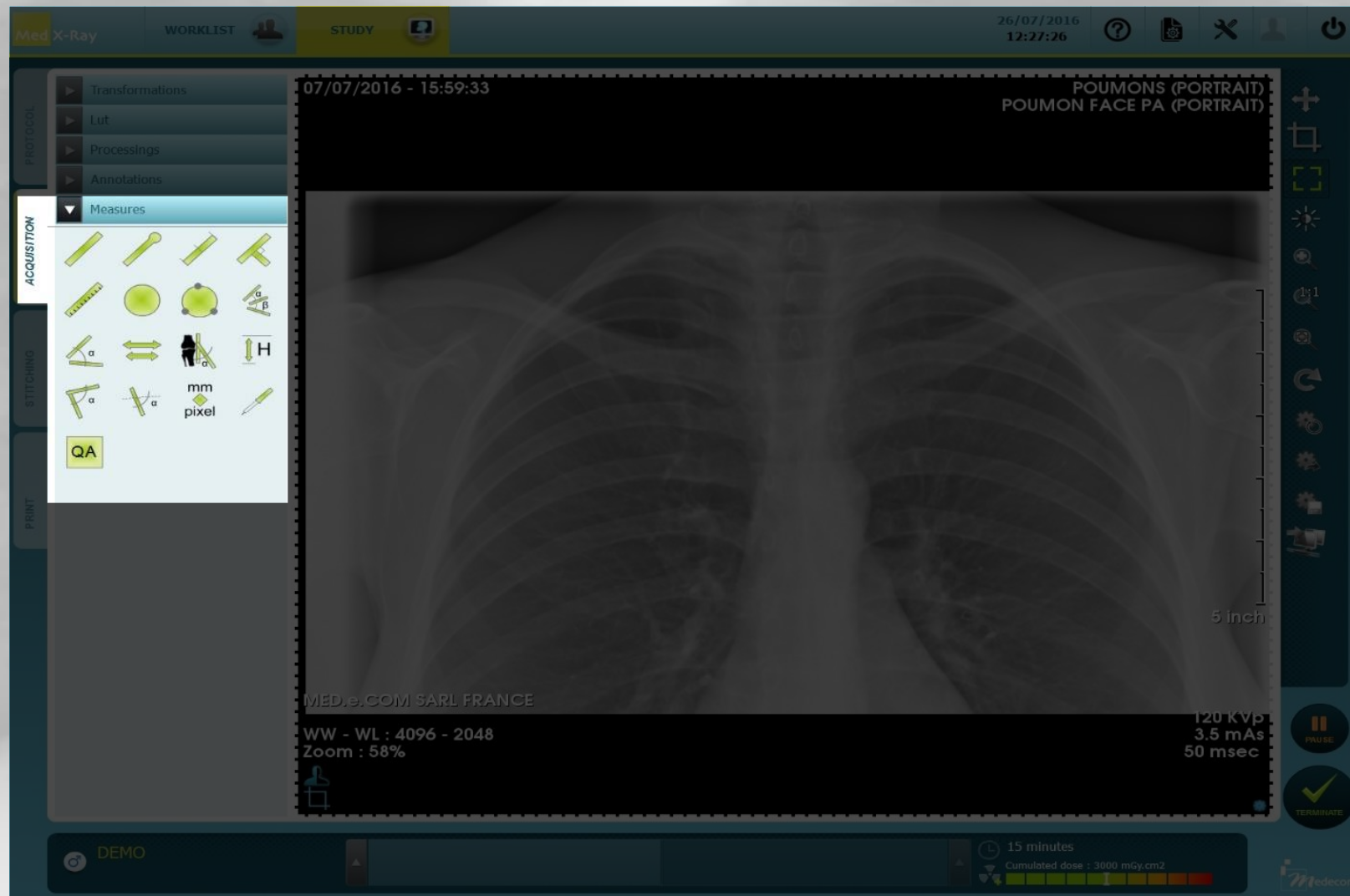
Applicable on spinal column or lower limbs

The end result



M

Measurements

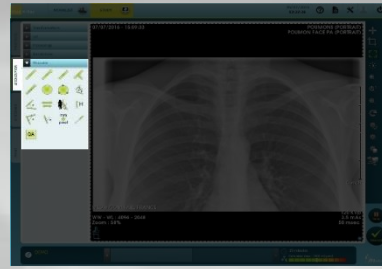


The quality of the images is not optimized, the aim is to show the features of our measurements' tools

M

Measurements

Cobb's angle



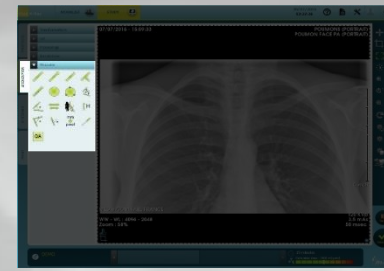
Select the icon for Cobb's angle

The quality of the images is not optimized, the aim of these videos is to show the features of our measurements' tools

M

Measurements

Cobb's angle



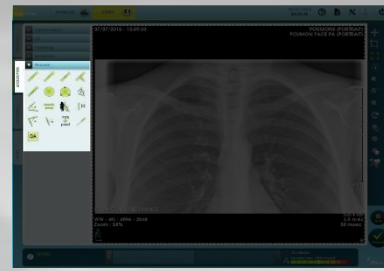
Draw the 2 lines to obtain the angles

The quality of the images is not optimized, the aim of these videos is to show the features of our measurements' tools

M

Measurements

Multi Cobb's angle



Stitching POINTS - Boris (M)
Stitched image

CR Image 1
16/10/2006 - 12:09:41

Multi Cobb's
angle

WW - WL : 4096 - 2048
Zoom : 28%

40 cm

Stitching POINTS - Boris
20061016

File Edit Mode Zoom View Series Manipulation Options Help

Fl for Help W 4096 / L 2048 28% 1 study(ies) - series : 1 / 1 3 images

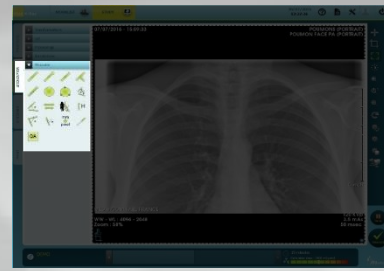
Select the
icon for multi
Cobb's angle

The quality of the images is not optimized, the aim of these videos is to show the features of our measurements' tools

M

Measurements

Multi Cobb's angle



CR Image 1
16/10/2006 - 12:09:41

Multi Cobb's angle

WW - WL : 4096 - 2048
Zoom : 28%

Stitching POINTS - Boris (M)
Stitched image

40 cm

File Edit Mode Zoom View Series Manipulation Options Help

Stitching POINTS - Boris
20061016

14,1°
24,4°
3,2°

Draw the 4 lines to obtain the angles

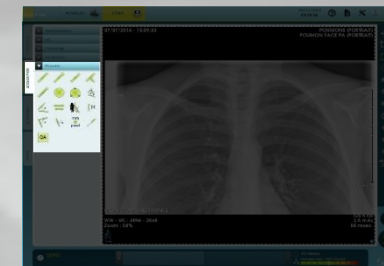
FL for Help W 4096 / L 2048 28% 1 study(ies) - series: 1 / 1 3 images

The quality of the images is not optimized, the aim of these videos is to show the features of our measurements' tools

M

Measurements

Gonio measurement



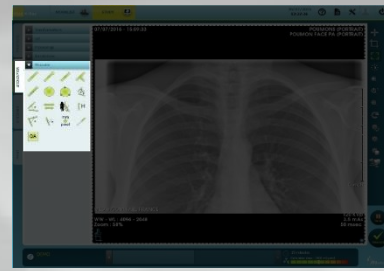
Select the
icon for
Goniometry

The quality of the images is not optimized, the aim of these videos is to show the features of our measurements' tools

M

Measurements

Gonio measurement



The screenshot shows the software interface for goniometry. The main window displays a full-body X-ray of a person's legs. A yellow line is drawn from the hip to the knee, and another yellow line is drawn from the knee to the ankle. The angle between these two lines is labeled as $0,3^\circ$. The distance from the hip to the knee is labeled as $D=527\text{mm}$, and the distance from the knee to the ankle is labeled as $D=422\text{mm}$. The software interface includes a menu bar (File, Edit, Mode, Zoom, View, Series, Manipulation, Options, Help), a toolbar with various icons, and a right-hand panel with a grid of icons. One icon in the right-hand panel, representing a goniometer, is highlighted with a yellow box. The text "Goniometry" is displayed in large white letters on the left side of the image. The top left corner of the image area shows "CR Image 1" and "15/10/2010 - 12:05:51". The top right corner shows "Stitching AUTO - Membres inf. Stitched image". The bottom left corner shows "WW - WL : 4096 - 2048" and "Zoom : 21%". The bottom right corner shows "50 cm". The status bar at the bottom of the window displays "F1 for Help", "W 4096 / L 2048", "21%", "1 study (ies) - series : 1 / 1", and "1 image".

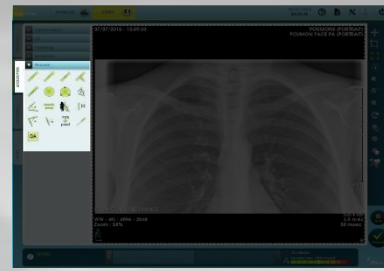
Several tip boxes appear to drive you through the points selection

The quality of the images is not optimized, the aim of these videos is to show the features of our measurements' tools

M

Measurements

Double Gonio measurement



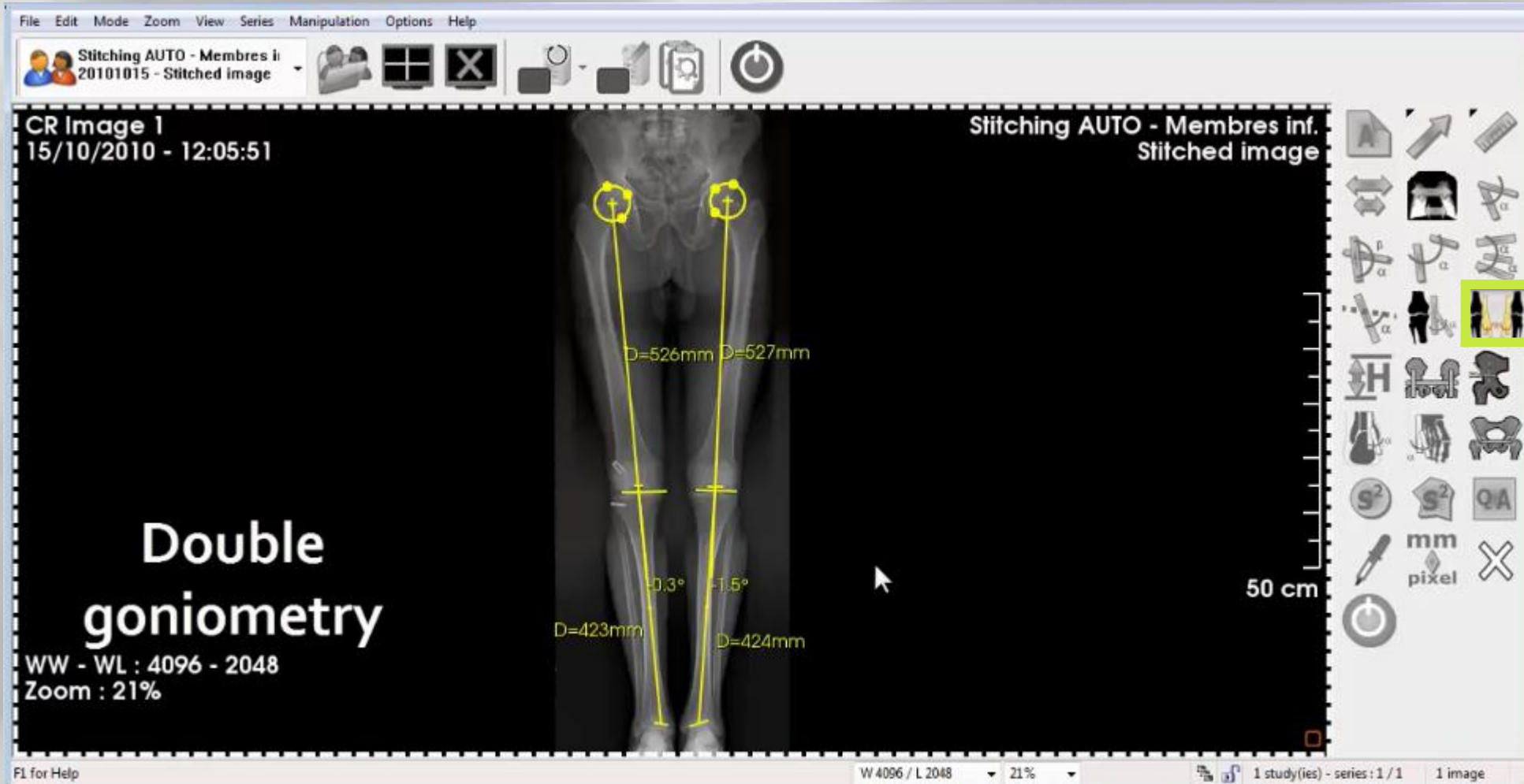
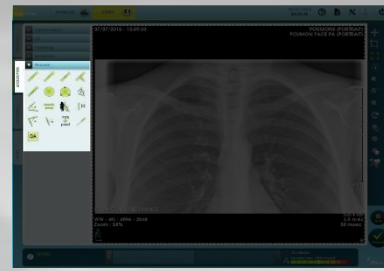
Select the icon for double goniometry

The quality of the images is not optimized, the aim of these videos is to show the features of our measurements' tools

M

Measurements

Double Gonio measurement



Several tip boxes appear to drive you through the points selection

The quality of the images is not optimized, the aim of these videos is to show the features of our measurements' tools

