WORLD CLASS DIGITAL X-RAY SYSTEMS

2022-04-25

ARCOMA APPLICATION WEBINAR
OMNERA 500A / ACESO+ SW UPDATE – New features

(*Reference: SI_2022_121_1000 i5*)

NEW SOFTWARE RELEASE
- IMPROVED WORKFLOW

- Faster positioning for Wall stand examinations with tilted detector

- Improved workflow for dedicated Chest X-ray rooms

- SW version info in display

- Increased stability

EFFICIENT

ARCOMA

Faster positioning for Wall stand examinations with tilted detector

CURRENT

- Protocol selected and autoposition activated.

- If the detector is too high for the tube to reach the correct position the positioning is stopped.

- User adjust the height of the detector until the requested SID / tube position can be reached.

SID cannot be reached.
User move detector down.

NEW

- Protocol selected and autoposition activated.

- System automatically adjust the detector height if needed and goes to requested position.

SID cannot be reached.
System automatically adjust detector height.

ARCOMA

Faster positioning for Wall stand examinations with tilted detector

➢ More automated and supporting operation

➢ Saves time

➢ Smoother workflow

WORKFLOW

SAME PATIENT

> RE-POSITIONING NEED MINIMIZED

> EFFICIENT WORKFLOW

NEWS

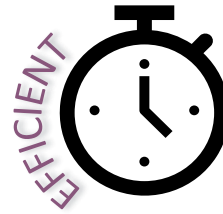No need to reposition between exposures were top (or bottom) centered collimation selected.

No need to reposition between exposures were an autopositioning wall stand detector is used.

WORKFLOW

BETWEEN PATIENTS

> RE-POSITIONING NEED MINIMIZED

> EFFICIENT WORKFLOW

NEWS

Servo remains active between patients.

> *You can define that servo shall remain active also between patients, under the condition that the same position is used also for next patient.*

CHEST ROOM Improvements: Top/Bottom-centring

1 PROTOCOL selected + activated, servo active

2 ADJUST COLLIMATOR FIELD FOR PATIENT, servo active

3 EXPOSURE

7 OTC position + collimator field size from protocol. OTC will move.

8 ADJUST COLLIMATOR FIELD FOR PATIENT **READY FOR NEXT EXPOSURE**

4 NEXT PROTOCOL SELECTED (manual or automatic) Collimator: Topcentring

5 SERVO De-activated

6 SERVO Re-activated

FROM PROTOCOL

ADAPTED FOR PATIENT

FROM PROTOCOL

ADAPTED FOR PATIENT

COLLIMATOR:
Top-centring

ARCOMA

CHEST ROOM Improvements: Top/Bottom-centring

1 PROTOCOL selected + activated, servo active

2 ADJUST COLLIMATOR FIELD FOR PATIENT, servo active

3 EXPOSURE

5 SERVO STAYS ACTIVE Collimator field size kept SYSTEM READY. **READY FOR NEXT EXPOSURE**

EFFICIENT

4 NEXT PROTOCOL SELECTED (manual or automatic) Collimator: Topcentring

FROM PROTOCOL

ADAPTED FOR PATIENT

ADAPTED FOR PATIENT

COLLIMATOR: Top-centring

ARCOMA

CHEST ROOM Improvements: Autopositioning detector

1 PROTOCOL selected + activated, detector moves to programmed height. servo active

**2** ADJUST DETECTOR HEIGTH FOR PATIENT, servo active

3 EXPOSURE

4 NEXT PROTOCOL SELECTED (manual or automatic)

5 SERVO ○ De-activated

6 SERVO ○ Re-activated

7 OTC & Detector moves to programmed height servo active

8 ADJUST DETECTOR HEIGHT FOR PATIENT Servo active **READY FOR EXPOSURE**

HEIGHT = Programmed

HEIGHT = Adapted for patient

HEIGHT = Programmed

HEIGHT = Adapted for patient

ARCOMA

CHEST ROOM Improvements: Autopositioning detector

1 PROTOCOL selected + activated, detector moves to programmed height. servo active ●

2 ADJUST DETECTOR HEIGTH FOR PATIENT, servo active ●

3 EXPOSURE

4 NEXT PROTOCOL SELECTED (manual or automatic) *Same autoposition*

5 OTC & Detector moves to programmed height servo active ● **READY FOR EXPOSURE**

EFFICIENT

HEIGHT = Programmed

HEIGHT = Adapted for patient

HEIGHT = Adapted for patient

ARCOMA
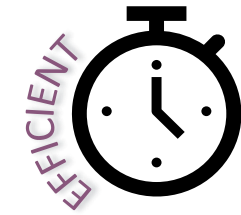
BETWEEN PATIENTS

SERVO CAN STAY ACTIVE BETWEEN PATIENTS
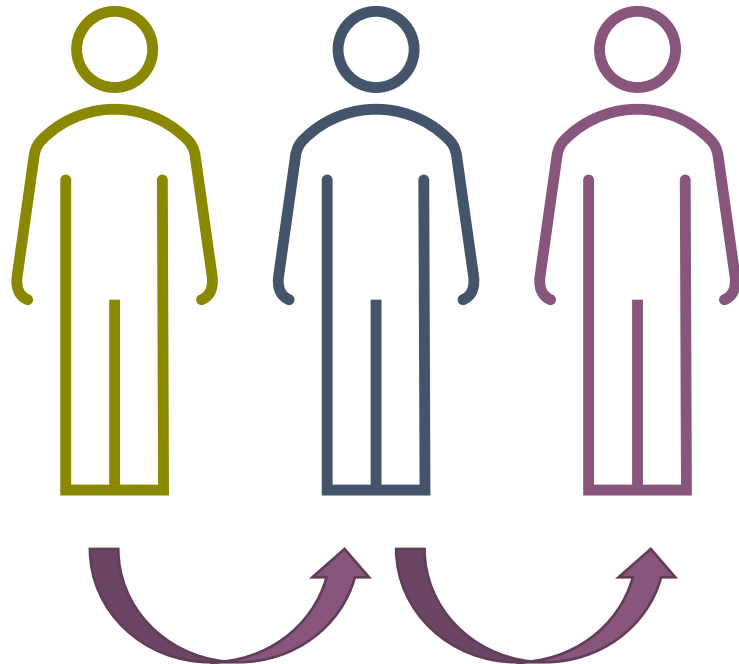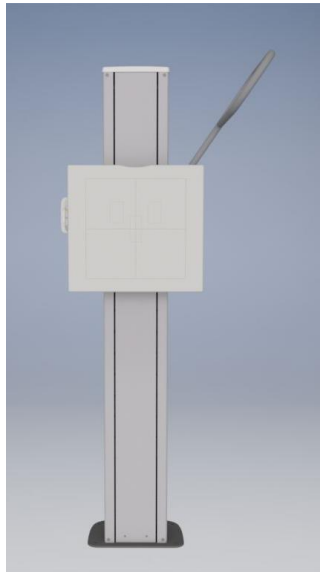
SAME POSITION?   YES > SERVO ACTIVE   YES? > SERVO ACTIVE

SYSTEM INSTANTLY READY

NEW SOFTWARE RELEASE
- SW VERSION INFO

SW version for the complete SW package directly on the tube display / System setting menu.

NEW SOFTWARE RELEASE - IMPROVED WORKFLOW

➢ Smart positioning
  – Increased system automation

➢ System instant ready for next exposure

➢ System instant ready for next patient

EFFICIENT

ARCOMA

APPLICATION

SETTINGS FOR NEW FEATURES

ARCOMA

SETTINGS - OVERVIEW

Update	Setting performed to activate
Tilted detector, automatic vertical movement	*No settings needed, basic feature*
Collimator centring Top/Bottom/Center	*Canon Protocol Editor*
Autopositioning Wall stand detector	*Arcoma Service program*
Servo active between patients	*Arcoma Service program*

CHEST ROOM Improvements: Top/Bottom-centring

| NAME	Very Small	Small	Medium	Large
Rad kV	40	68	76	84
Rad mA	50.0	200.0	200.0	200.0
ms	10.0	80.0	80.0	80.0
mAs	0.5	16.0	16.0	16.0
Technique	MAS	MAS	MAS	MAS
Film	Film Screen 1	Film Screen 1	Film Screen 1	Film Screen 1
Focus	SMALL	SMALL	SMALL	SMALL
Left Field	NO	NO	NO	NO
Center Field	YES	YES	YES	YES
Right Field	NO	NO	NO	NO
Receptor	1	1	1	1
Density	0	0	0	0
AEC Fields Orient.	1-2-3 Portrait	1-2-3 Portrait	1-2-3 Portrait	1-2-3 Portrait
AutoPosition On	YES	YES	YES	YES
Auto Position	7	7	7	7
Auto Pos Offset	-999999	-999999	-999999	-999999
Receptor Ori. On	NO	NO	NO	NO
PortraitLandscape	Portrait	Portrait	Portrait	Portrait
Filter On	YES	YES	YES	YES
Filter	1	1	1	1
Collimator On	YES	YES	YES	YES
CollimatorWidth(mm)	200.0	200.0	200.0	200.0
CollimatorWidth(inch)	7.9	7.9	7.9	7.9
CollimatorHeight(mm)	100.0	100.0	100.0	100.0
CollimatorHeight(inch)	3.9	3.9	3.9	3.9
CollimatorCentering	N/A	N/A	N/A	N/A
SID On	NO	NO	NO	NO

CANON PROTOCOL SETTING
> Select collimator centring

COLLIMATION CENTERING SETTING
- Top / Center / Bottom

Default setting can be changed when needed by the user from the tube display.

ARCOMA

Auto positioning Wall stand detector

ARCOMA SERVICE PROGRAM
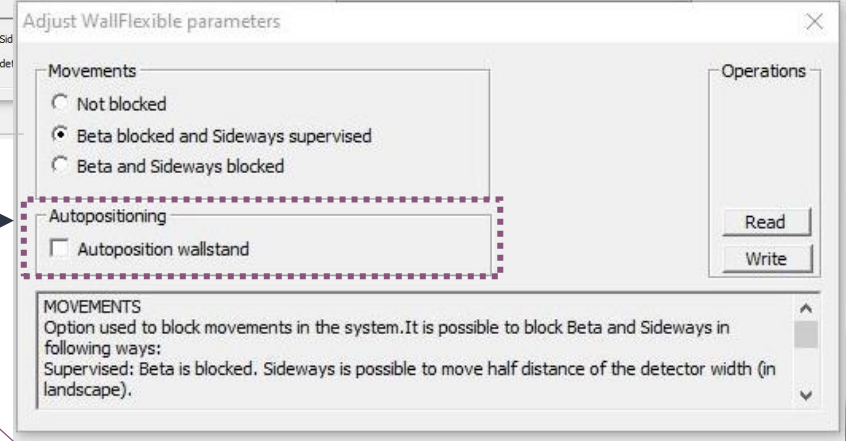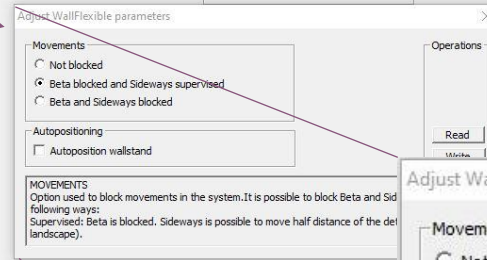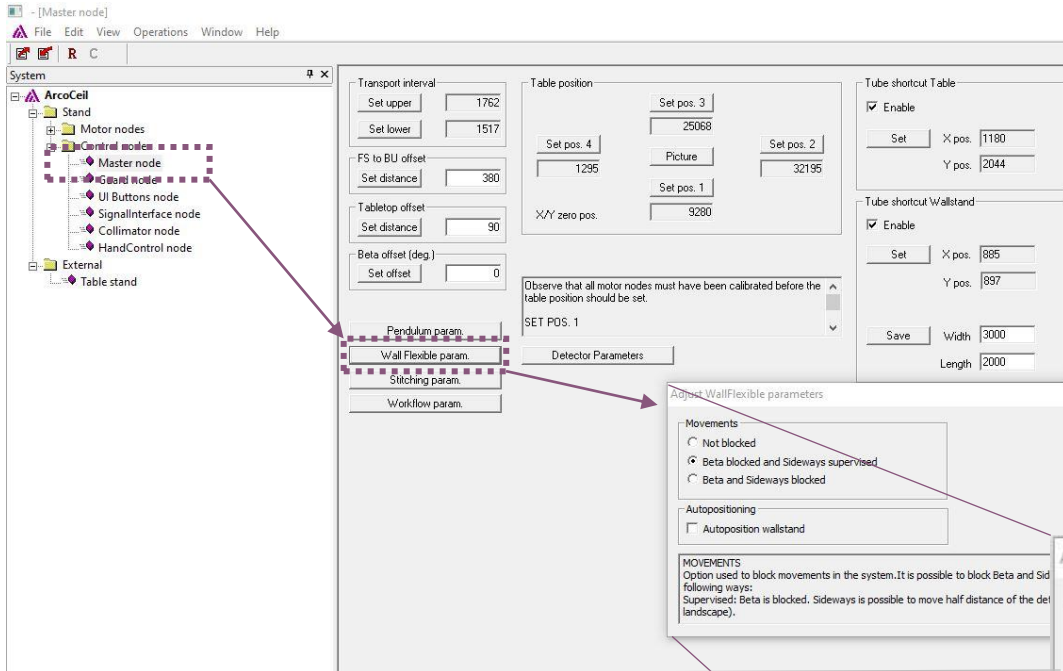
➢ ACTIVATE

Auto positioning Wall stand detector. Height of detector is defined when the autoposition is defined.

Servo active between patients

THANK YOU

Arcoma AB | Annavägen 1 | 352 46 Växjö | Sweden

PHONE

+46 470 70 69 00

EMAIL

service@arcoma.se

WEBSITE

www.arcoma.se

ARCOMA