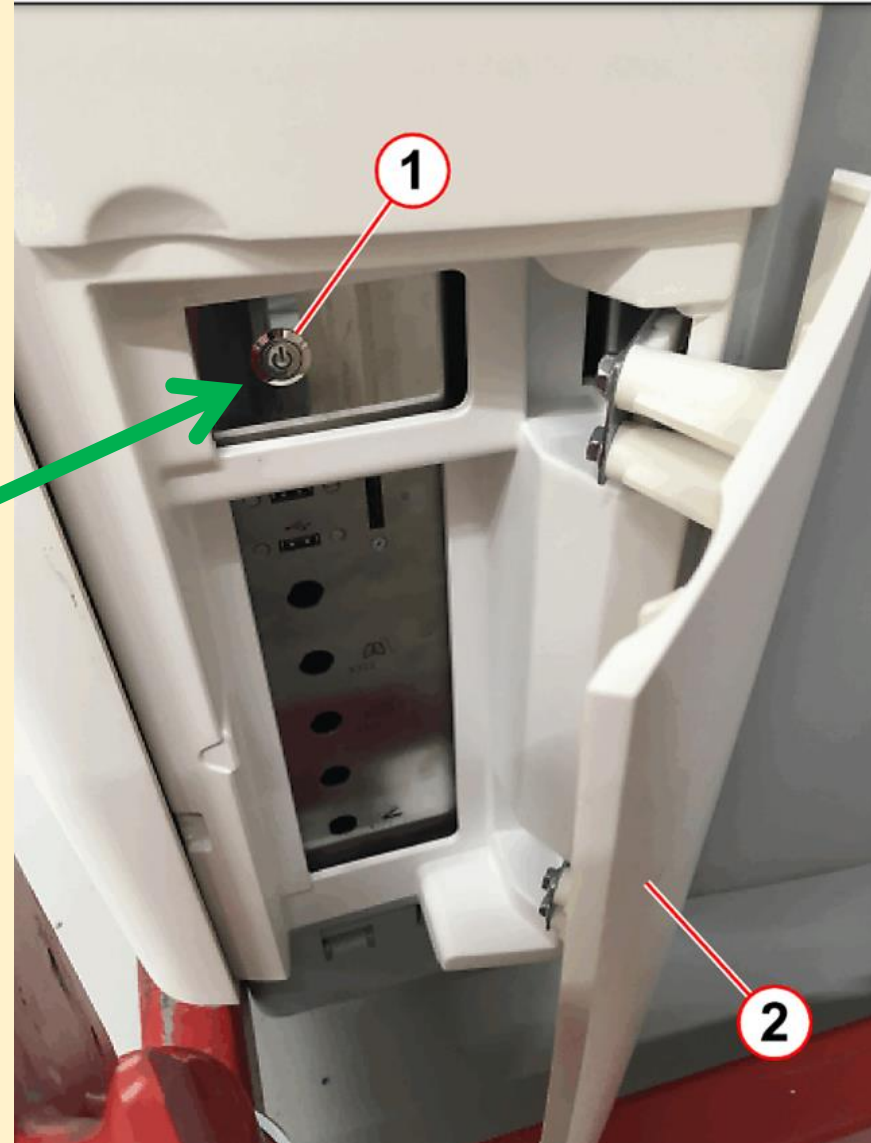


Navigating The New Siemens CT Software

A few hints to make QA easier

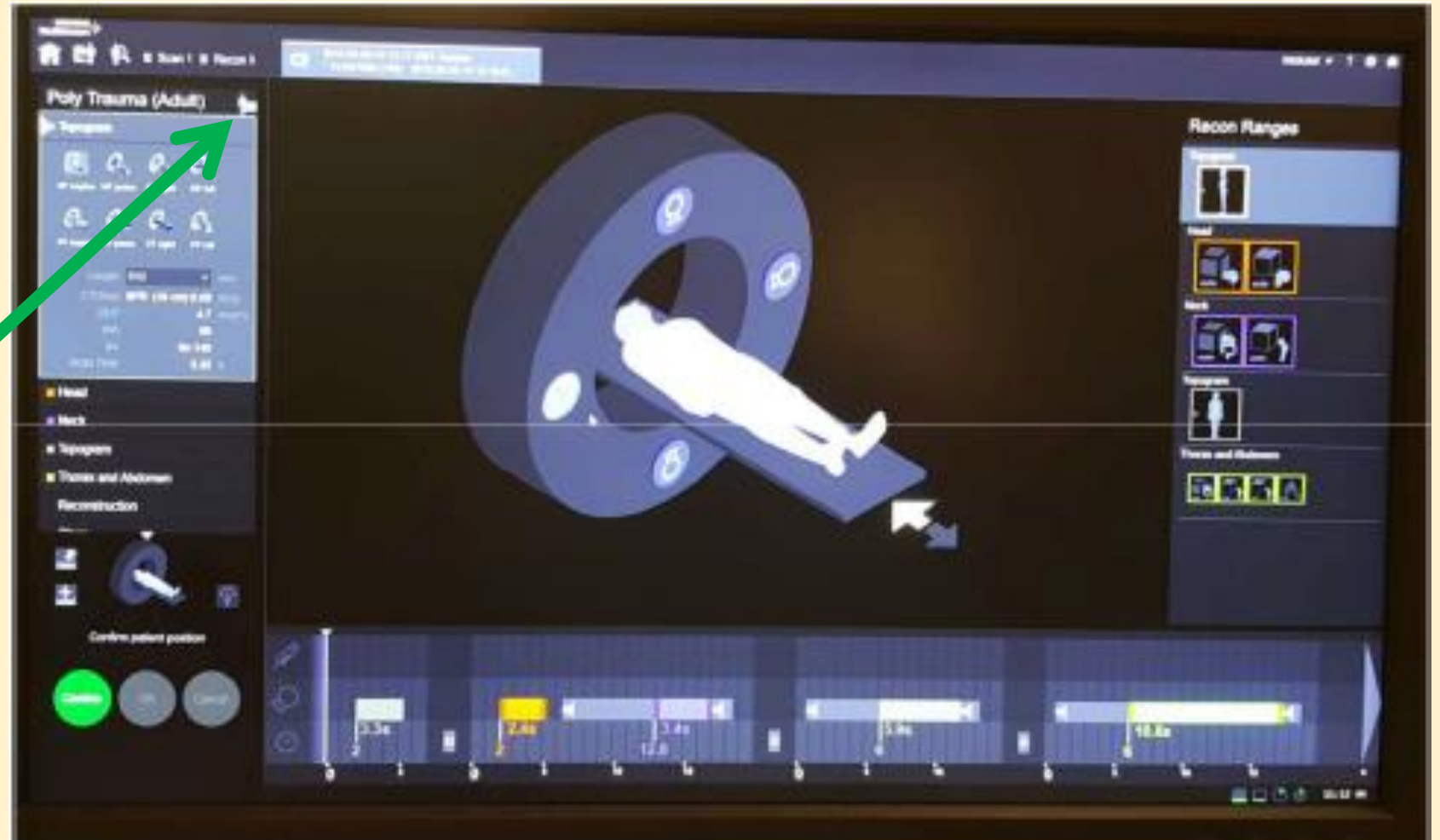
Switching on

Power switch is located on a panel on side of gantry under flap



Starting With an Emergency Patient

- Poly Trauma automatically selected
- Click protocol selection button to select appropriate protocol



Select protocol selection tab

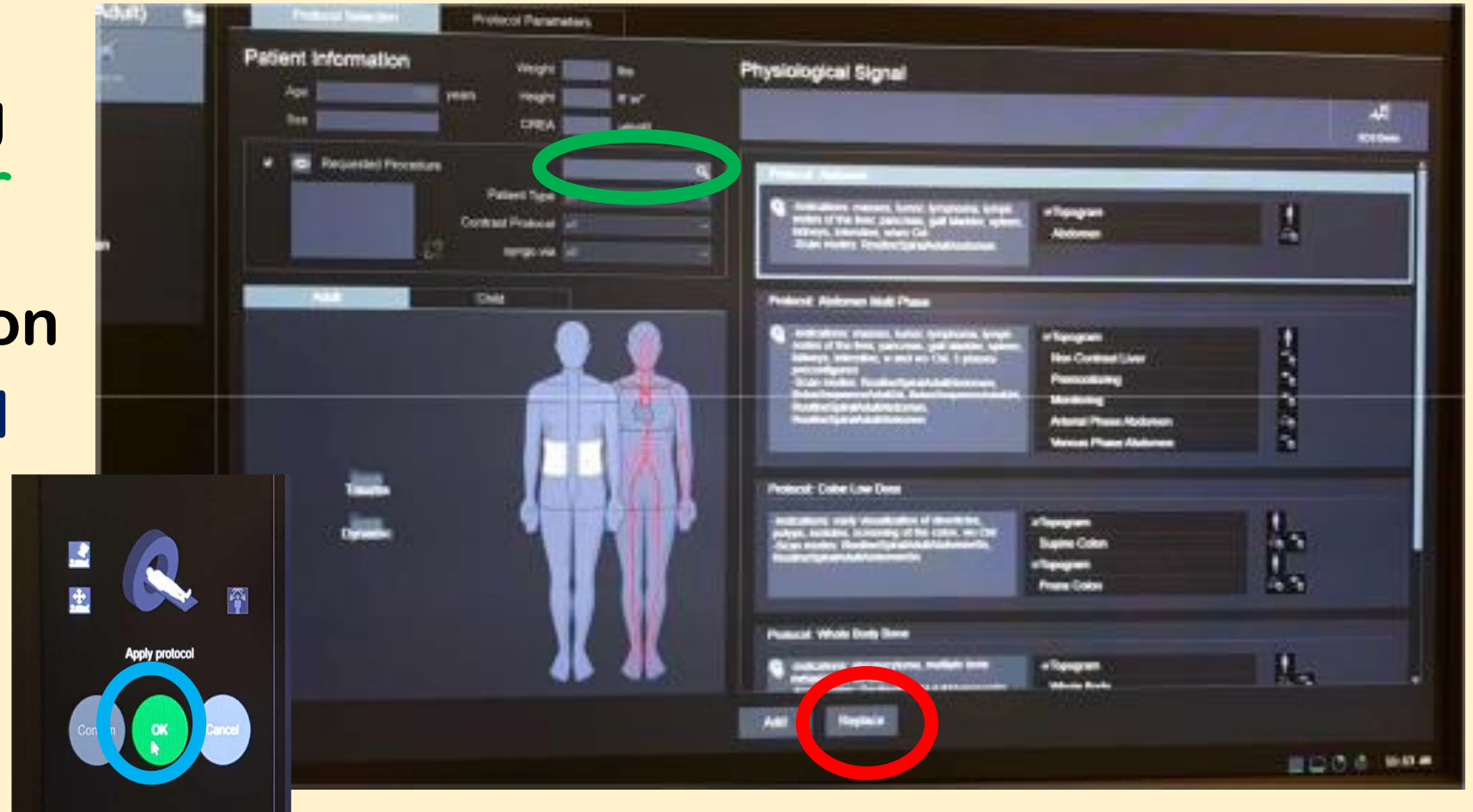
The screenshot shows a medical software interface for configuring a Poly Trauma scan. The interface is divided into several sections:

- Left Panel:** Contains a sidebar with a search bar, a 'Poly Trauma (Adult)' header, and a list of anatomical regions: Topogram, Head, Neck, Topogram, and Thorax and Abdomen. Below this is a 'Reconstruction' section and a 'Close' button.
- Top Panel:** Features a 'Protocol Selection' tab (highlighted with a blue arrow) and a 'Protocol Parameters' tab. Below these is a 'Poly Trauma' header and a 'Protocol Description' box containing text: 'Indications: emergency whole body trauma, hemorrhage, and CM. Scan modes: TraumaPolytraumaHead, TraumaPolytraumaNeck, TraumaPolytraumaAbdomen'. A 'Workflow Language' dropdown is also present.
- Control Panel:** A grid of buttons for 'Scan Favorites', 'General Scan', 'Dose', 'Trend', 'Config', 'Physic Scan', and 'Contrast' in the top row; and 'Scan Parameters', 'General Recon', 'Image Inspection', 'Recon Box', 'Physic Recon', 'Auto Testing', and 'ReconBox' in the bottom row.
- Main Table:** A table with columns for 'Scan/Recon', 'Scan Mode', 'kV', 'mA', 'CTDIvol (mGy)', 'DLP (mGy*cm)', 'Acquisition Time', 'FISAT', 'Est. Time (s)', and 'Slew Thickness (mm)'. The table lists scan configurations for Topogram, Head, Neck, and Thorax and Abdomen.

Scan/Recon	Scan Mode	kV	mA	CTDIvol (mGy)	DLP (mGy*cm)	Acquisition Time	FISAT	Est. Time (s)	Slew Thickness (mm)
Topogram Topogram 0.80 020 sag	EmergencyPolytrauma	Sn 140	80	37% (10 cm/1.00)	4.7	0.20.0			
Head Head 5.00 1440 sag Head 5.00 1440 ax Head 5.00 1440 cor Head 5.00 1440 ar	TraumaPolytraumaHead	120				04 x 0.0	0.80	0.50	0.00
Neck Neck 5.00 840 sag Neck 5.00 840 ax Neck 5.00 840 cor Neck 5.00 840 ar	TraumaPolytraumaNeck	120				04 x 0.0	0.80	0.50	0.00
Topogram Topogram 0.80 020 sag	EmergencyPolytrauma	Sn 140	80	37% (10 cm/1.00)	4.7	0.20.0			
Thorax and Abdomen Thorax and Abdomen 5.00 840 sag Thorax and Abdomen 5.00 840 sag Thorax and Abdomen 5.00 840 ax	TraumaPolytraumaAbdomen	120				04 x 0.0	0.80	0.50	0.00

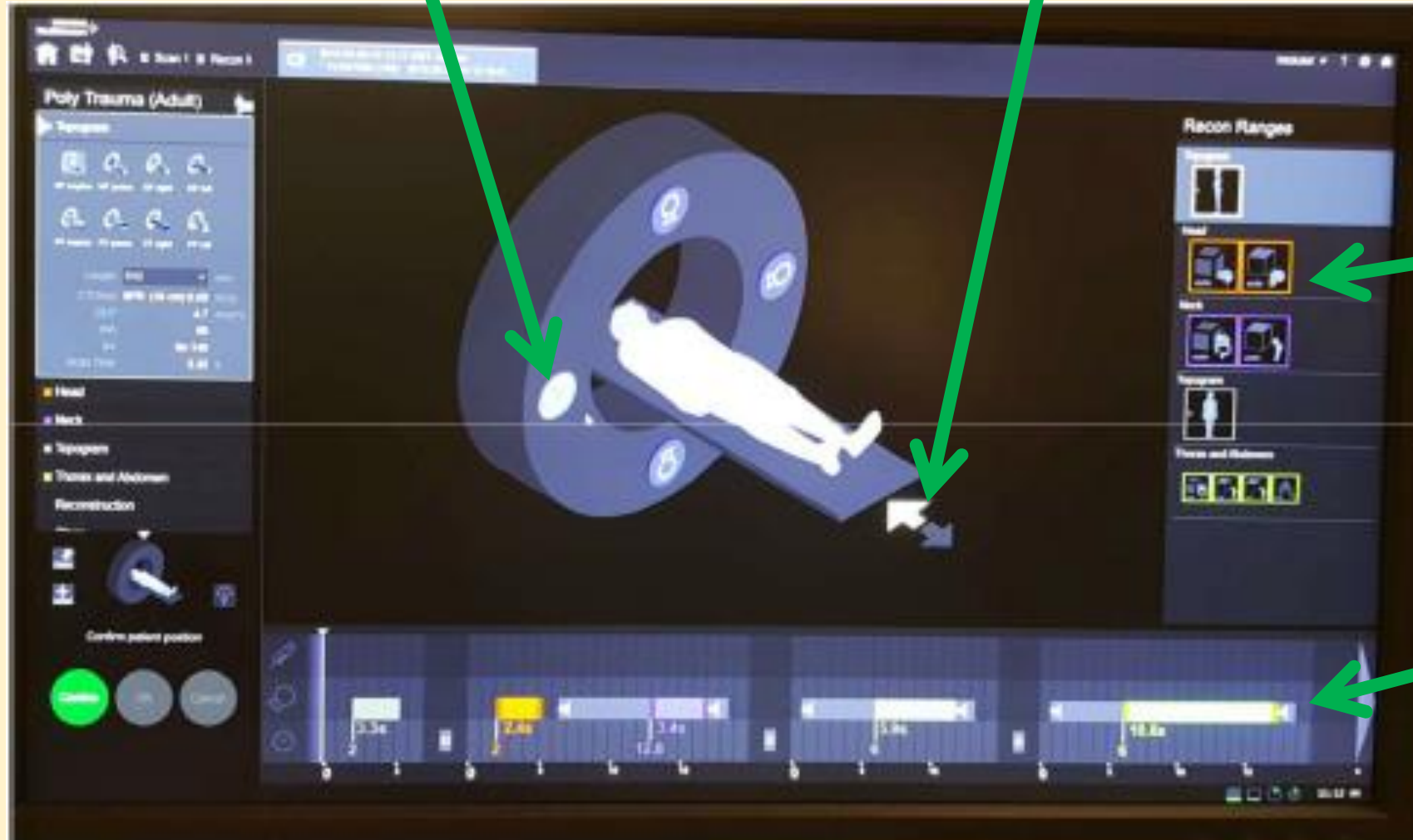
Protocol Selection

- Search for protocol using the **search bar** or anatomical region selection
- Select desired protocol
- Click **Replace**
- Click **OK**



Scanogram tube position

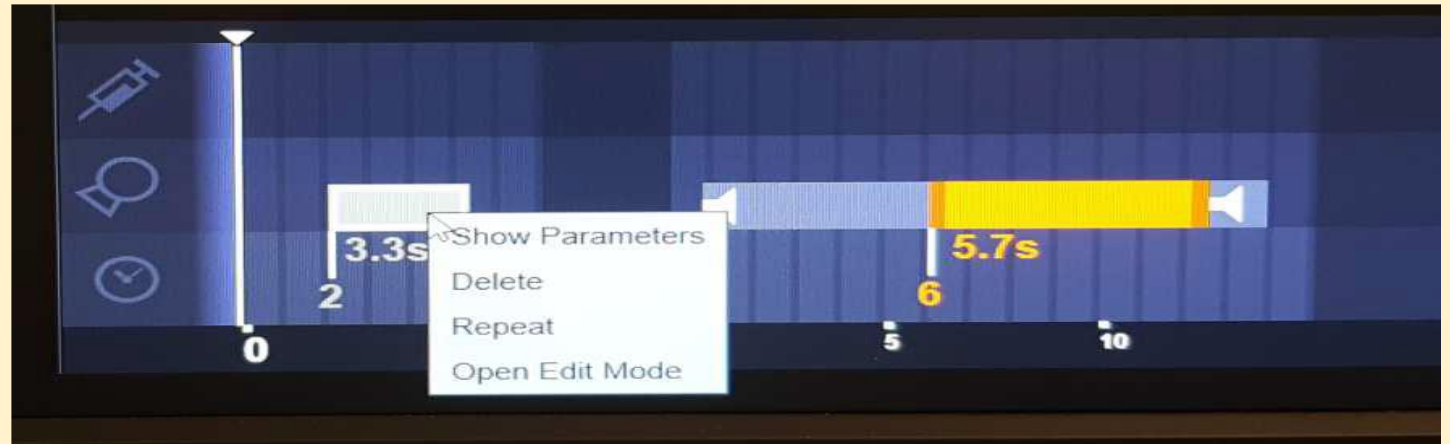
Scanogram feed direction



Recon queue

Scan queue

Right click to show scan parameters



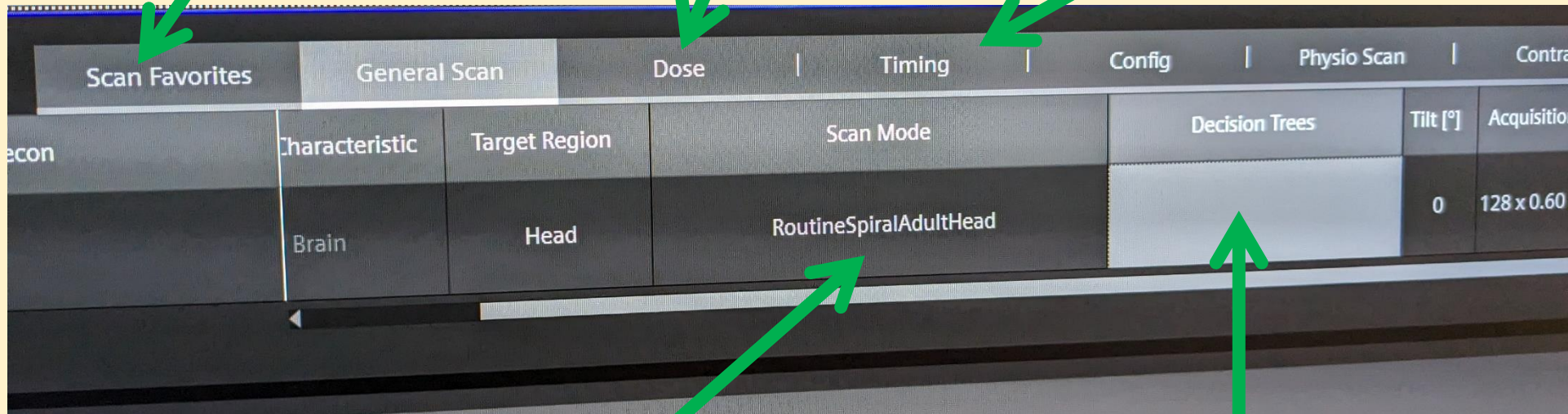
Scan/Recon	General Scan	Dose	Timing	Config	Physio Scan	Contrast	
Scan/Recon	Scan Mode	kV	CTDIvol [mGy]	DLP [mGy*cm]	Acquisition [mm]	Pitch	Rot. Time [s]
Abdomen	RoutineSpiralAdultAbdomen	120			64 x 0.6	0.80	0.50

Setting up tips – scan parameters

Radiographer info

kV, mA, CTDI, DLP

Rotation time, delay, patient instruction



Generally greyed out or limited to spiral options when decision trees are selected

Deselect all decision tree options to enable manual selections

Right click to show recon parameters

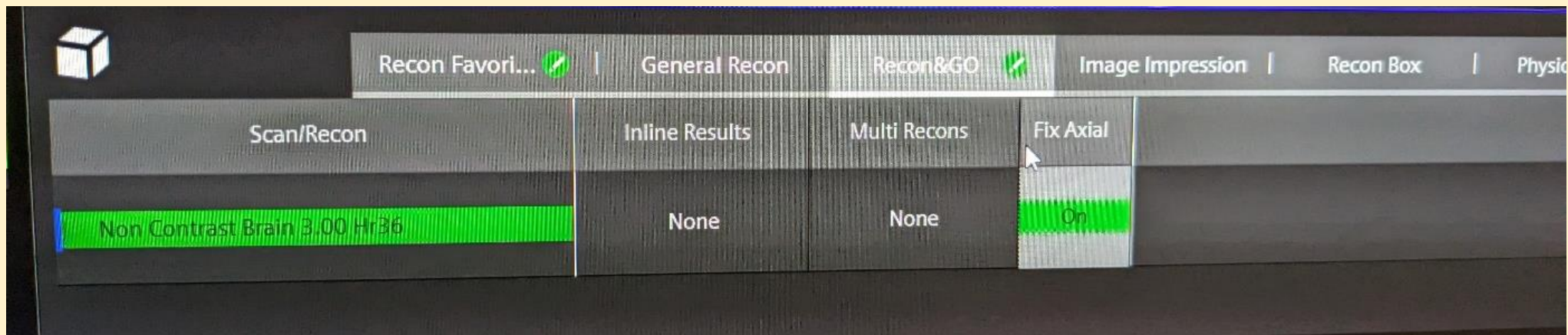


Setting up tips – recon parameters

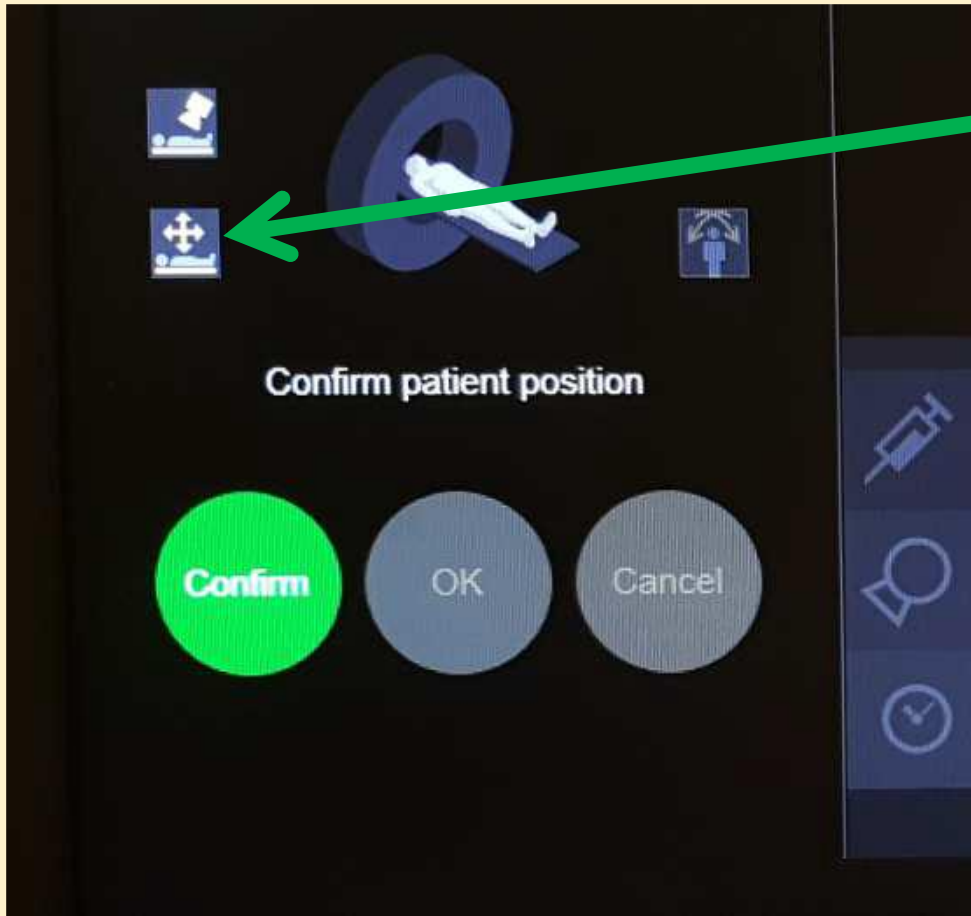


Select 'None' to reveal 'Fix Axial'

Turn 'Fix Axial' on



Finding cancel move



Click this



To reveal this

Tips to make life easier

- Do a scanogram
- Select sequence mode (scan tabs)
- Ensure 'Fix Axial' is turned on (recon tabs)
- Use scanogram to set scan length
- Check number of scans for small lengths (may default to 2)
- Change mA after changing kV
- Right click, repeat (both scans and recons)
- Split testing into different patients (will speed up testing)
- Be aware that different versions allow different things