

Expert Insights: Hidden Gems from Application Specialists at Siemens Healthineers

Cristiana Araújo on Append Table Positioning Strategy

Cristiana is curious and loves learning and sharing new knowledge. She is passionate about both healthcare and teaching, so she made it her mission to help improve patient outcomes by teaching healthcare professionals to get the most out of their MRI scanners.

Her journey into medical imaging started in 2004, when she enrolled in a bachelor's of diagnostic radiology at the School of Allied Health Sciences in Porto, Portugal. In 2011, her pursuit for deeper knowledge led her to enroll in an M.Sc. in medical physics at the University of Porto, Portugal. She joined Siemens Healthineers in 2020, embarking on a career in MR as an application specialist. Two years later, she was one of the first application specialists to test the first installation of MAGNETOM FREE.Star. A year after that, she came fifth in the ECR 2023's influencers list, and she has just enrolled in an MR master's program. You might think Cristiana is all about MRI, but she is not one to settle for a single love. In 2020, while working as a radiographer, she boldly took on a new challenge and started an M.Sc. in dentistry, at University Fernando Pessoa in Porto, Portugal.

Outside of work, she loves immersing herself in stories (her personal record is over 200 books in one year). She is also a music lover, adores spending times with friends, and is a devoted mother.

Contact

Cristiana Araújo
SHS EMEA SEU POR S&PSM-DI&AT&US DI&AT
3570, Estrada Nacional 107
4455-491 Porto
Portugal
cristianasantos_machado_araujo@siemens-healthineers.com



My favorite feature ...

... is currently an equipment functionality. I always make sure I explain it to users who have a system that runs on software version syngo MR XA20. It's called Append Table Positioning Strategy.

This amazing new option for Positioning Mode provides the following benefits:

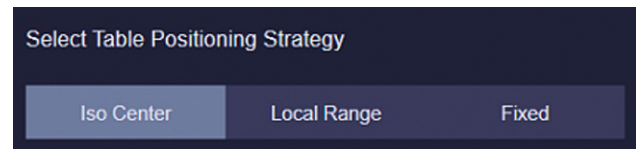
- It greatly reduces the risk of the radiographers selecting the wrong positioning mode. So it prevents non-intentional acquisition outside the center of the bore.
- It provides smoother scanning transition between structures, even using volume coils like a head and neck coil, or a surface coil like the spine coil.

The new Table Positioning Strategy focuses on the whole scan instead of a single protocol, so it's possible to make changes while using the workflow. There are three Positioning Strategy options: ISO, LOC, and FIX.

1. Click the right mouse button in your protocol and select "Append Table Positioning Strategy".

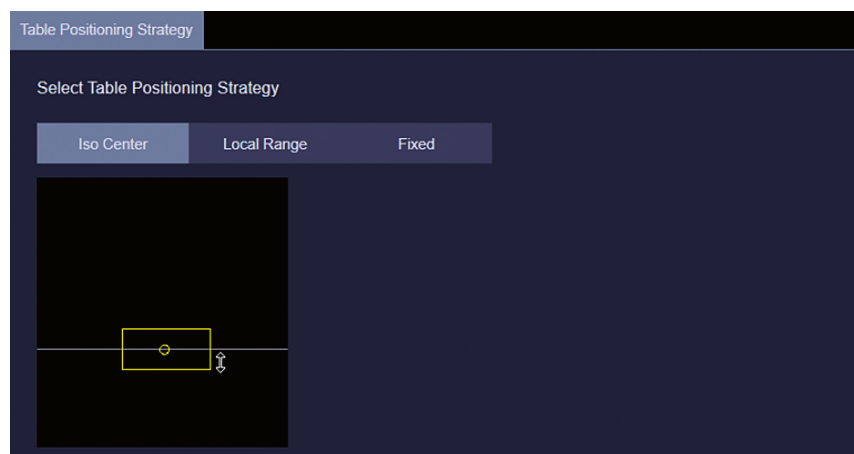


2. In the user guidance card of the Table Positioning Strategy, the currently selected positioning strategy is highlighted.



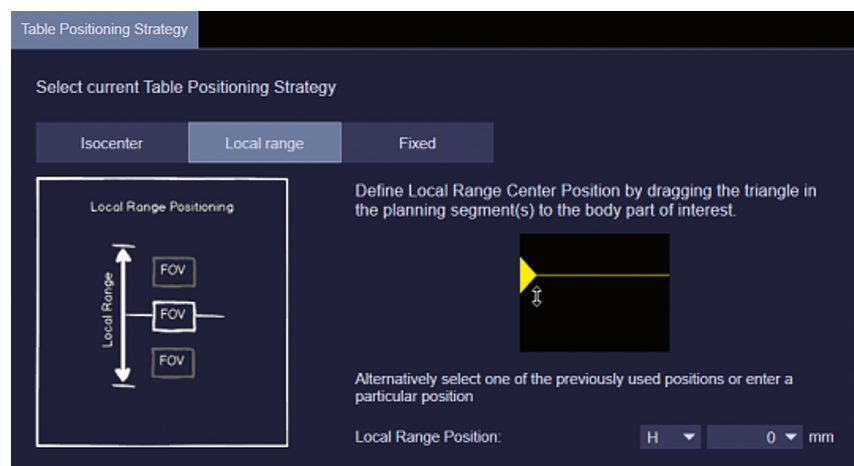
ISO: ISO Center Mode (spine, liver, or pelvis)

The protocol table position is like the scan region center: Whenever a slice group is moved, the table moves to the position of the isocenter for the best image quality.



LOC: Local Range Mode (head, knee, or heart)

The LOC positioning strategy is based on an examination-specific tolerance area and a focus position defining the center of the tolerance area. Slice groups within the tolerance area are measured without repositioning the patient table.



FIX: Fixed Position Mode

The table will not move during the examination. It remains in a fixed position even if the slice/slab group is placed outside the isocenter.