

October 7, 2021

Welcome New Users of University of Wisconsin-Madison CT Protocols,

We encourage you to review the UW Madison CT protocol manual that should have been provided with your scanner. The front pages of your user manual contain updates to existing protocols and new protocols that are included in this current release of our protocol package. You will also find extensive instructions covering set-up of Direct Multi-Planar Reformats, Patient Size-Selection guidelines, specific instructions for setting up CT Perfusion scans, and much more. In addition to the protocols contained in this booklet, we have cultivated a website with additional resources <https://uwgect.wisweb.wisc.edu/general-resources/> which augment the protocols contained here to assist your practice in all facets of CT scanning.

The list below includes some common issues first-time users of our protocols have expressed. Please review the entire manual, and especially the items on this list, with your CT protocol optimization team as soon as possible.

1. We have updated our Perfusion Appendix page to include only two options for Perfusion scanning: Shuttle and Axial Mode. We have found that CINE perfusions are not ideal as they have a constant beam-on time which is not necessary for perfusion scanning. Please See our Perfusion appendix page for guidance on selecting the perfusion parameters you prefer.
2. For the Revolution CT (256) we now offer several protocols with Auto Prescription (previously kV Assist and kV Assist 2.0) enabled. This feature allows for patients of any size (one-size fits all) to be scanned under these protocols. Within the Auto Prescription feature are 3 different “size profiles” that the scanner automatically selects based on patient measurements.
3. We now use dynamic transition for select protocols. When turned on, this feature allows the scanner itself (not the technologist) to initiate scan phase once the desired HU have been reached. The scanner will begin scanning once the contrast has reached the Enhancement Threshold.
4. Reformats need to be constructed the first time you get a scanner or change protocols. Please carefully follow our Direct Multi-Planar Reformat (DMPR) instructions in the CT protocol manual to populate the DMPR settings. UW Madison’s protocols are set up to follow a specific DMPR naming convention.

If you have any questions, please contact your GE applications specialist.

Sincerely,

The CT Protocol Optimization Team