LineUP Exactech Vantage® Protocol Guide

Pre-plan tibia and talar resections with the Vantage® Ankle PSI cutting guides, now available for use with CurveBeam AI's LineUP Weight Bearing CT imaging system. Please follow the steps below to use LineUP with the Vantage Ankle PSI.

Preparation

- Patient should be in shorts for scan.
- No socks or any jewelry - ex: no ankle chains, toe rings, magnets, socks with copper fiber, etc.
- We recommend the patient not step barefoot on the patient platform; proper foot protection should be provided.
- All scans for Exactech Vantage® are weight bearing. Patients must be able to stand still for approximately 5 minutes for the entire patient exam.

Procedure Selection & Patient Positioning

- • All scans are LFOV (bilateral) with Knee-Gap-Foot type procedure.
- On the patient tab, select the "CT_ EXACTECH_ VANTAGE_ANKLE_L" or "CT_ EXACTECH_VANTAGE_ANKLE_R" procedure. L or R indicates surgical side for procedure.
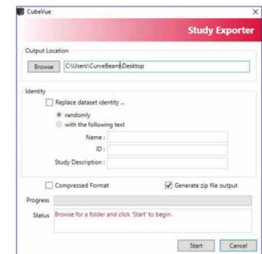- On the protocol tab, select Large Field Standard.
- LFOV positioning:

Scan Requirements & DICOM Output

- A minimum of 5cm above and 5cm below the knee joint line and 10cm proximally from the tibia plafond (top of talar dome) is required.
- Scans with patient movement will need to be repeated.
- DICOM Output:

  - Send axial stack only of SV (Super Volume)
  - Images should be 0.5mm - 0.9mm slice thickness and 0 slice spacing.
  - Use VOI tool in DICOM Volume Creation to create reformat. Yellow rectangle should include knee, ankle, and foot of surgical side in one yellow box.

DICOM Export/Sending

- Locate the reformat with "AX - SV" at the start of the series description on the patient list tab in CubeVue.
- Right click on the file and select DICOM export, and the Study Exporter window will open:

  - Do NOT edit identity. This will eliminate patient information needed by Exactech/3D Systems.
  - Deselect the box for "Compressed Format".
  - Select the box for "Generate zip file output".

- Export to a temporary location then send via the option below:

  - Upload to 3D Systems through the secure, upload portal: https://medicaluploader.3dsystems.com/upload/vantage/psi

Contact for Assistance

CurveBeam AI Clinical Applications

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