Cardiac DynaCT for Aortic Valve Guide Procedure Setup

Please refer to manual for complete system capability
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1. Patient Setup:
   - Position patient as far head side as possible
   - Keep all cables away from chest area
   - Place pigtail into aortic root; deep into the cusps
   - Injector filled with contrast:
     Options: 33% contrast/67% saline
     50% contrast/50% saline

2. System setup and program selection:
   - Best working position for Zeego is Left side 30% rotated
   - Select the 5s untriggered Cardiac program and follow prompts on Assist monitor for 3D spin setup. During Test Phase, ensure that all staff, lines, and equipment are clear of the rotation area.
   - Hook catheter to injector. **Purge the line to clear all air from tubing. Hand advance the contrast through the catheter.**
   - Set the injector to sync with the system and verify injection parameters with physician:
     - X-ray delay of 1 second
     - 15ml/second for 4-6 seconds
     - If using a Medrad Arterion injector, check for the ISI symbol to confirm injection is controlled by imaging system.
     - Arm the injector
     - Please refer to Cardiac DynaCT quickguide for complete injection protocol and rapid pacing suggestions.
3. Scan:
Rapid pace, confirm that blood pressure has dropped. Please refer to Cardiac DynaCT quickguide for complete injection protocol and rapid pacing suggestions.

- Press the acquisition foot pedal or hand switch
- Contrast will inject for 1 second
- C-arm will rotate for 5 seconds
- Stop rapid pacing
- The data will automatically transfer and reconstruct to the XWP 3D workstation and the Aortic Valve Guide software can be used