

TAVR

COMPREHENSIVE INTERVENTION PLANNING

Ziostation2 offers the only TAVR pre-surgical analysis based on either a single phase or on the full cardiac cycle. Using PhyZiodynamics processing for Dynamic Measurements and noise reduction, exceptional high-quality intra-chamber views are provided of the aortic valve. Dynamic and static measurements assist with implant sizing and placement decisions, and dynamic tools can provide the range of values across the entire cycle.

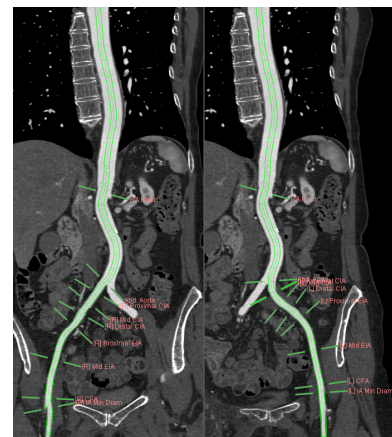
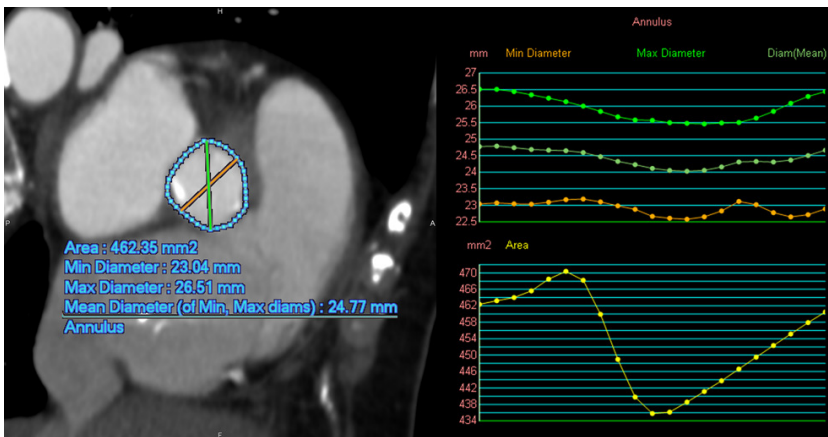
Valve assessment workflow includes fully automated extraction of the valve apparatus, ascending aorta and aortic centerline, as well as specification and labeling of the aortic annulus plane. Several measurements are available.

Femoral access workflow takes advantage of a single phase volumetric series and fully automates the placement of measurement tools for the entire arterial pathway from groin to heart. Centerline rotational views allow physicians to evaluate femoral access, and a virtual catheter can be placed for visual assessment.

For research purposes, all results (including spatial and temporal definition points for dynamic tools) can be exported to a CSV file for off-line analysis and manipulation.

Key features:

- Automatic determination of aortic annulus plane
- Individual workflows for valve analysis, and for femoral and apical approach assessment
- Dynamic ROI and length tools providing dimensions for each phase in the cardiac cycle
- Extensive list of standard measurements and calculations
- Fully automated aortic/femoral/iliac vascular measurements
- Reworked user interface and screen layouts for increased workflow efficiency



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