

# CT imaging for Transcatheter Aortic Valve Replacement (TAVR) planning

CT TAVI Planning on IntelliSpace Portal consists of four main elements to help you plan Transcatheter Aortic Valve Replacement.

## Automatic segmentation and visualization

CT TAVI Planning on IntelliSpace Portal provides **3D automatic model-based segmentation and visualization** of aortic valve annulus and other related structures required for TAVI procedure planning, including aortic valve calcifications – all for a clear understanding of patient's anatomy and pathology.

## Automatic measurements

CT TAVI Planning on IntelliSpace Portal (9 onwards) provides **automatic annulus and aortic root related measurements**, together with peripheral vessels access route, which were **demonstrated to be fast and reproducible** (in comparison to one of the main competitors\*).

## Device related measurements and cath lab angles

Having **automated device related measurements, vascular access route measurements**, together **with automatic generation of standard C-arm angles** (which can be utilized to determine an initial suggested angle for deployment during the procedure), all from within a single application may assist you to save time.

## Communication with Philips cath lab

**IntelliSpace Portal supports communication to Philips Allura / Azurion interventional suites.** The unique “interventional bookmark” (iBookmark) automatically launch relevant advanced analysis (CT TAVI Planning) before intervention, providing the interventional cardiologist rich imaging information as the starting point of the procedure.