TOMOGRAPHIC ULTRASOUND
Safe and cost-effective diagnostic imaging
PIUR Tomographic Ultrasound
Extends ultrasound devices with tomography function

PIUR IUS

Receives 2D ultrasound images from your scanner
Receives position data from sensor attached to your transducer

Produces high-resolution tomographic ultrasound images with any standard ultrasound device & transducer

Easy to Use
Designed for clinical routine

Quick Access Toolbar
Main functions just one click away

2D and 3D Screenshots
Easy documentation to PACS and external drive

Clinical Apps
Buttons and features optimised for each clinical indication

Data Quantification
2D & 3D measurements, volume segmentations and more

3D Volume Visualisation
Visualisation of 3D structures with several rendering modes

Multi Planar Reconstructions
Cross sectional views of three orthogonal planes

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Multi-Scan Volume Acquisitions
Beyond the limits of transducer field-of-view

Acquire three individual scans and merge into single volume

The multi-scan feature allows merging three separate scans into a single volume to acquire large area structures.

Large volume liver
Complex nerve structures
Entire muscles
Entire thyroids

*CE-certification for liver, nerve, muscle, and thyroid imaging pending
AV Fistula Planning and Monitoring
For longer lasting fistulas

PIUR tUS allows rapid scanning and 3D visualisation of arteries and veins to assess optimal position of arterio-venous fistula and accurately plan intervention.

It reduces operator dependency in fistula monitoring and may help identify complications at early stage.

- Fast scanning and reporting time
- Visualisation of full vessel map in dynamic image
- More accurate measurement of vessel diameters
- Enabling separation of scanning and image analysis
- Obtaining second opinion after patient has left
- Less operator dependency and more flexibility in angulation when measuring stenosis degree
Planning, visualisation, and sharing of vein maps for varicose vein treatment and evaluation of potential autologous bypass grafts.

- Reduction in scanning time by up to 85%
- Higher patient-throughput can lead to increased revenue
- Documentation of complete volume data
- Enabling separation of scanning and image analysis
- Easier illustration to surgeon and patient
Aneurysm Management and Surveillance
Minimise risks, maximise information

Aortic Aneurysm Monitoring

Measurement of aneurysm volume and angle corrected diameter in 3D to monitor aneurysm growth more accurately.

- More accurate detection of small aneurysm changes
- Visualisation of aneurysm geometry
- Export of scans and segmentations to external software for analysis and research

EVAR Surveillance

Highly-accurate endoleak detection and classification after EVAR without CT angiography.

- No radiation or nephrotoxic contrast media
- Complete diagnosis in ultrasound lab
- More cost-effective than CTA surveillance
Safe and cost-effective diagnostic imaging

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Reduced Risk
Faster Scanning Time
Optimised Workflow
Improved Communication
Reduced Costs