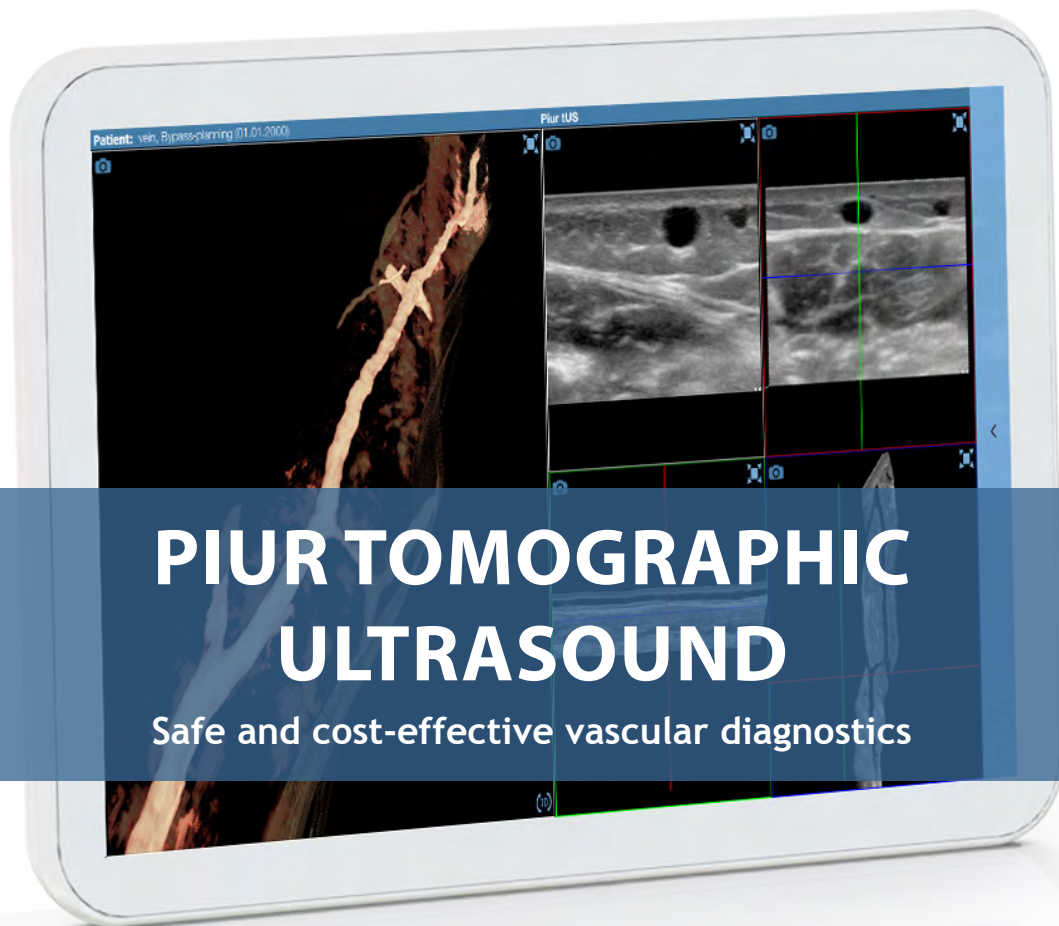


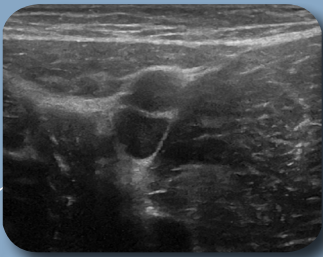
PIUR IMAGING



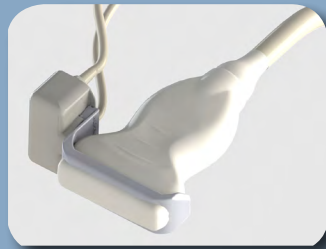
PIUR TOMOGRAPHIC ULTRASOUND

Safe and cost-effective vascular diagnostics

PIUR TOMOGRAPHIC ULTRASOUND



2D image data from
ultrasound device



Position data from
transducer tracking

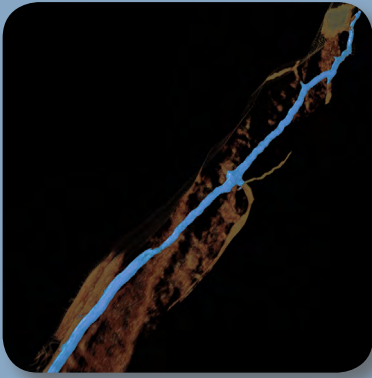


PIUR tUS

Ultrasound based tomographic imaging

The PIUR tUS solution achieves for ultrasound what CT achieved for x-ray devices. PIUR tUS extends ultrasound devices with a tomography feature and provides means to produce multi-planar reconstructions and volume data sets, visualise 3D vessel maps, and perform 3D contrast imaging.

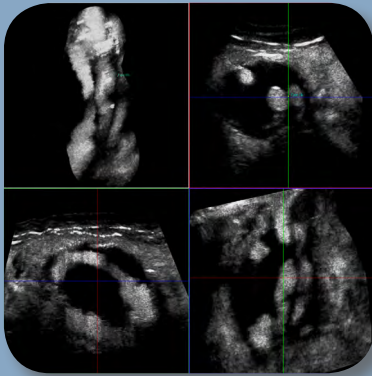
CLINICAL APPLICATIONS



3D Vascular Mapping

Facilitate vascular mapping for bypass surgery.

PIUR tUS Vascular Mapping allows scanning, visualisation, and documentation of complete bypass candidates in 3D with standard ultrasound devices. Bypass maps can be generated more efficiently and assessed or reviewed directly by the operating surgeon, speeding up time.



EVAR Surveillance

Reduce risk and increase efficiency of EVAR surveillance.

PIUR tUS EVAR Surveillance provides endoleak detection and classification with sensitivity and specificity comparable to CT angiography. EVAR surveillance can be performed without the need for patient referral, radiation exposure, or administration of nephrotoxic contrast agents.

COMING SOON



Qualitative and quantitative assessment of carotid plaque volume for stroke prediction



PIUR tUS angiography for peripheral arterial disease

USER BENEFITS OF PIUR tUS



Reduced risk

Minimise exposure to ionizing radiation and nephrotoxic contrast by reducing the need for CT and catheter angiography



Improved communication & data exchange

Share complete ultrasound volume data with surgeons and let them see for themselves what they are going to operate on



Higher return on investment

Replace high-cost diagnostic imaging technologies for many indications and keep your CT and MRI instruments free for other patients



Shorter examination times

Speed up your ultrasound examinations through 3D data analysis



Optimised workflows

Acquire all relevant diagnostic information with one examination and facilitate one-stop outpatient clinic appointments to include consultation and investigation



“Bringing reliable three dimensional vessel quantification and three dimensional functional imaging into the ultrasound lab, could strongly enhance our workflow for peripheral vessel diagnostics. This one-stop shopping may reduce the need for other diagnostic imaging technologies, and hence, improve the efficiency and cost-economics of such examinations.”

Univ.-Prof. Dr. Hubert Schelzig

*Head of the Department for Vascular and Endovascular Surgery,
Universitätsklinikum Düsseldorf*



“Tomographic ultrasound has the potential to become a game changer in vascular diagnostics. Reproducible sonographic examinations can be performed user-independently and provide a new level of documentation similar to CT and MR. Tomographic ultrasound as a routine for EVAR planning and follow-up could significantly reduce the risk for patients while reducing costs at the same time”

Univ.-Prof. Dr. med. Hans-Henning Eckstein

*Head of the Department for Vascular and Endovascular Surgery,
Klinikum rechts der Isar, Technische Universität München*



“Tomographic ultrasound can replace expensive imaging technologies such as CT and MR for certain common vascular indications with the same or better diagnostic accuracy. It has no known risks, is entirely safe and costs a fraction of CT or MR. The piur tUS system can achieve for ultrasound what CT achieved for x-ray.”

Prof. Charles McCollum

*Professor of Surgery and Head of the Academic Surgery Unit,
Institute of Cardiovascular Sciences, University of Manchester.
Honorary Consultant Surgeon at the University Hospital of South Manchester*

PIUR IMAGING

The logo for PIUR IMAGING features the word "PIUR" in a bold, white, sans-serif font. To the right of "PIUR" is a stylized graphic consisting of five concentric, semi-circular white lines that resemble a signal or a scan. Below "PIUR" is the word "IMAGING" in a white, outlined, sans-serif font.

Safe and cost-effective vascular diagnostics

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