



Kidney & Bladder Imaging

Check the anatomy and functionality of the urinary system with high-quality ultrasound solutions. For disease management, we offer advanced features for precise biopsy and treatment procedures – supporting you through all stages of patient care: from detection to diagnosis, treatment and follow-up.

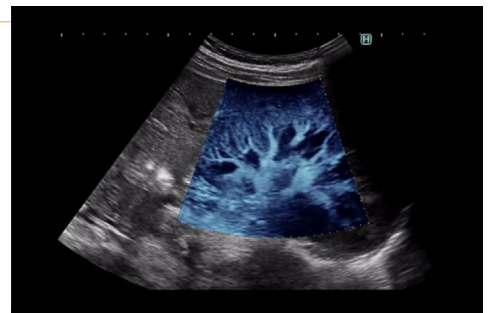
Get clear tissue differentiation – whatever the BMI of your patient is

In transabdominal ultrasound it can be hard to find the balance between a good resolution and a good penetration - because every patient has a different body type. With our refined technologies there's no need to compromise, thanks to crystal-clear boarder visualisation and tissue differentiation at any depth. Investigate the location, shape and inner structure of the renal anatomy, parenchyma or sinus in high resolution to screen for abnormalities like blockages, stones, tumours or cysts.



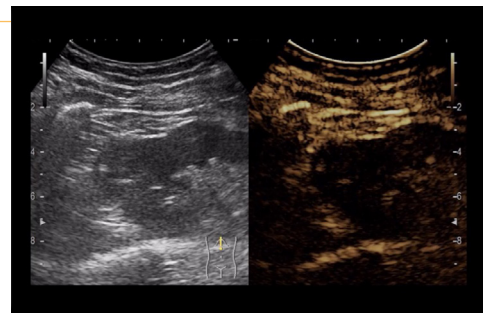
Assess blood flow into, out of and within the kidney with high sensitivity

Our highly sensitive Colour and Doppler modes help you gain a deeper understanding of renal perfusion and check for asymmetries or non-vascular areas. Furthermore, you can quickly assess the blood flow within lesions and their surrounding tissues to help differentiate between benign and malignant signs.



Get a close look at microvasculature for assessment, biopsy or treatment

Our contrast-enhanced ultrasound delivers vascular information beyond Doppler possibilities. You can view wash-in and wash-out times for circulatory information on the renal parenchyma and focal lesions. You can characterise hypovascular or atypical tumours; solid or cystic masses; pseudotumours; ischaemia; or infections. You can also use it for precise needle guidance during biopsies, radiofrequency, cryo or microwave ablations.



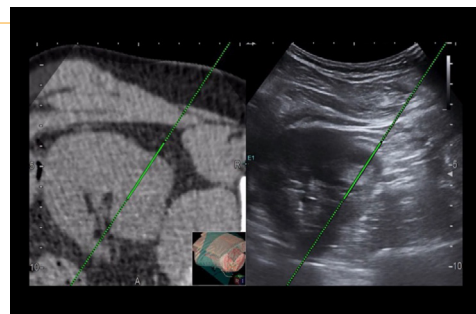
**the next level in urology
ultrasound precision**

**urology
imaging**



Plan and perform **precise needle guidance** with automatic CT-US fusion imaging

Kidney biopsies or tumour ablations may be challenging, but you can find a precise, safe needle path with our fusion imaging. Real-time ultrasound is automatically synchronised with prior CT images to help you locate the lesion accurately and plan the optimal access path and patient positioning. You can then guide the procedure with needle tracking and body motion compensation, without additional radiation exposure. At last, you can better monitor treatment outcome.



Leave **no stone left unturned** with our specialised kidney biopsy probe

Percutaneous nephrolithotomy (PCNL) is today's standard for removing large or otherwise persistent kidney stones. Our biopsy ultrasound probe helps you precisely locate them and guide direct access. Simply insert the needle through a cut-out in the centre of the probe at three different puncture angles. With firm insertion control, you no longer need to navigate around the lateral rib position to find your way. Detach the probe from the needle after hitting its target in one single action. [Watch this video to see it in action!](#)



Check **bladder condition and draining** to find the source of a problem

Our high-resolution Carving Imaging enhances organ boundaries and highlights contrast resolution between fluids and tissues. Together with a sensitive Colour Doppler, you can easily investigate the bladder, its wall and volume or the ureteral jets. Findings such as pre-and-post void residual, wall diverticula, urethral stricture, stones or tumours will help determine the cause of the problem and guide you in providing treatment options.

