



What to Expect

Our clinic staff will provide you with a gown to change and a locker to secure personal belongings before scan.

- Metallic objects (hairpins, dentures, jewellery and etc.) should be kept at home or removed prior to the scan as metal may affect the image quality.

The room will be dimmed to visualise the images on the monitor properly. After, the sonographer will position you comfortably on the examination couch. The area of the body to be examined will be uncovered, and a thick water-soluble gel will be applied over the area to facilitate the transmission of the sound waves through your body. The sonographer will move the ultrasound probe over the area to examine.

Lastly, the gel is wiped off after completion of examination. You will then be ready to leave the department.

After the Scan

You can resume normal activity after the procedure.

Potential side-effects

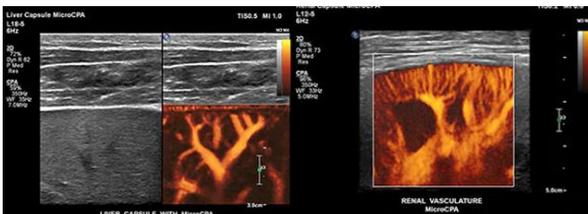
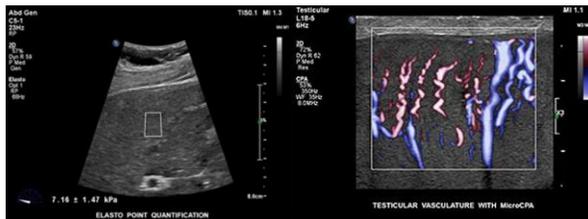
The use of high frequency sound waves in medical diagnosis has been deemed safe. Pregnant women may undergo this procedure.

There are no known immediate side effects or long-term effects.

What is an Ultrasound Scan?

An ultrasound scan uses high-frequency sound waves to produce images of the body, without the use of X-rays. Blood flow can also be measured using the Doppler Phenomenon with PureWave crystals. It is used to visualize internal organs such as breasts, abdomen, and pelvis.

Our ultrasound machines are high in temporal resolution and able to produce exceptional imaging for small vessel visualisation with the New MicroCPA. Moreover, it has ElastPQ ultrasound shear wave elastography to provide non-invasive, reproducible and easily performed method of assessing tissue stiffness.



Preparations

Smoking abstinence is required on the day of the **upper abdomen** scan, as it is likely to stimulate the biliary system and affect the accuracy of the scan. Please refer to the table below for other more information:

Region	Fasting Instruction								
Abdomen Doppler Aorta Doppler Renal Arteries Doppler Renal Veins Liver Doppler Renal Doppler Transplanted Liver	<p>Please fast according to the duration below:</p> <table border="1"> <thead> <tr> <th>Age Range</th> <th>Duration</th> </tr> </thead> <tbody> <tr> <td>Below 1 year old</td> <td>Omit last feed</td> </tr> <tr> <td>1 – 10 years old</td> <td>4 hours</td> </tr> <tr> <td>Above 10 years old</td> <td>6 hours</td> </tr> </tbody> </table> <p>Sips of plain water allowed.</p> <p>Diabetic patients: Stop all diabetic medication/insulin injection on the day of scan.</p>	Age Range	Duration	Below 1 year old	Omit last feed	1 – 10 years old	4 hours	Above 10 years old	6 hours
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Abdomen & Pelvis	<p>Please fast according to the duration below:</p> <table border="1"> <thead> <tr> <th>Age Range</th> <th>Duration</th> </tr> </thead> <tbody> <tr> <td>Below 1 year old</td> <td>Omit last feed</td> </tr> <tr> <td>1 – 10 years old</td> <td>4 hours</td> </tr> <tr> <td>Above 10 years old</td> <td>6 hours</td> </tr> </tbody> </table> <p>Drink at least 4 cups of plain water (1 hour before scan) to keep your bladder full. <i>(Omit this instruction if you are on fluid restriction.)</i></p> <p>Diabetic patients: Stop all diabetic medication and/or insulin injection on the day of scan.</p>	Age Range	Duration	Below 1 year old	Omit last feed	1 – 10 years old	4 hours	Above 10 years old	6 hours
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Kidney Bladder Pelvis Prostate Urinary Bladder	<p>No fasting.</p> <p>Drink at least 4 cups of plain water (1 hour before scan) to keep your bladder full. <i>(Omit this instruction if you are on fluid restriction.)</i></p> <p>Do not empty bladder till scan is completed or as instructed by sonographer.</p>								
Others	No preparation.								

Important Points to Note

If you are on restricted fluids or suffer from diabetes mellitus please inform us when making the appointment.

If you are on medication, please continue to take them with plain water.