

ULTRASOUND helps to improve the quality of antenatal care by assessing the time to delivery, detecting many fetal abnormalities and assessing for possible complications.

You may have had an ultrasound scan earlier in your pregnancy. At 18 - 20 weeks gestation however, a more thorough assessment of your baby can be carried out via ultrasound.

The scan will take half an hour (an hour for twin pregnancies) and there is no preparation required for this procedure.

OUR ULTRASOUND DEPARTMENT specialises in obstetric scanning, combining highly trained staff with state-of-the-art equipment, including 4D scanning.

We would like you to enjoy your time with us. The radiologist and/or sonographer who performs your scan will be happy to help answer any queries you may have.

FURTHER INFORMATION on obstetric ultrasound, including nuchal fold and 4D scanning, and a current price list, can also be found on our website:  
[www.ascotrad.co.nz/Our-Services/Ultrasound](http://www.ascotrad.co.nz/Our-Services/Ultrasound)



**ANATOMY SCANS**, and all other obstetric ultrasound scans, are available at these Ascot Radiology branches:

**ASCOT HOSPITAL:** 90 Green Lane East, Remuera  
TEL: (09) 520 9550 or 0800 ULTRASOUND (0800 858 727)  
EMAIL: [us@ascotrad.co.nz](mailto:us@ascotrad.co.nz)

**AUT MILLENNIUM:** 17 Antares Place, Mairangi Bay  
TEL: (09) 478 6640 EMAIL: [millennium@ascotrad.co.nz](mailto:millennium@ascotrad.co.nz)

**BIRTHCARE, PARNELL:** 20 Titoki Street, Parnell  
TEL: (09) 373 5988 EMAIL: [parnell@ascotrad.co.nz](mailto:parnell@ascotrad.co.nz)

**ST HELIERS:** Level 1, 8-10 Turua Steet, St Heliers  
TEL: (09) 555 9558 EMAIL: [stheliers@ascotrad.co.nz](mailto:stheliers@ascotrad.co.nz)

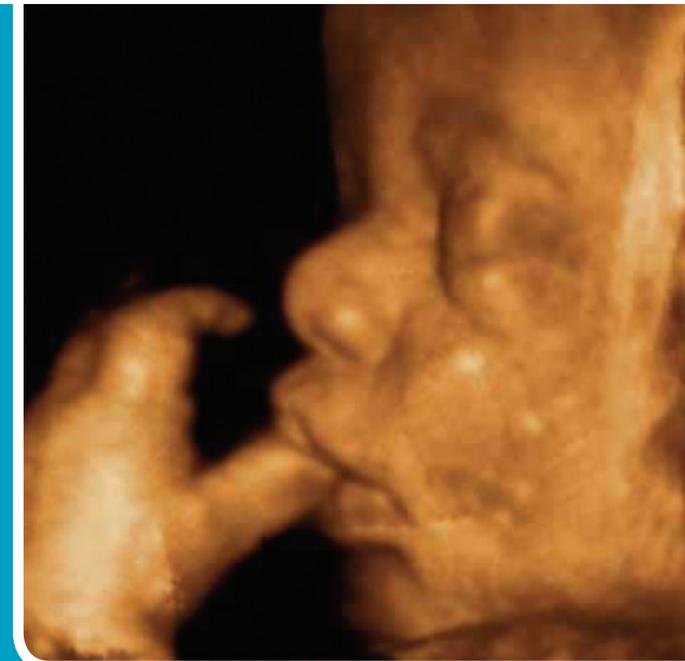
**TO MAKE AN APPOINTMENT,**  
Please call us during office hours,  
8.30am - 5pm Monday to Friday,  
or go to our website:  
[www.ascotrad.co.nz/Book-A-Scan](http://www.ascotrad.co.nz/Book-A-Scan)

 **ASCOT RADIOLOGY**  
[www.ascotrad.co.nz](http://www.ascotrad.co.nz)

 **ASCOT  
RADIOLOGY**  
**OBSTETRIC ULTRASOUND**



**THE 18 - 20 WEEK  
ANATOMY SCAN**



**ASCOT HOSPITAL • AUT MILLENNIUM  
BIRTHCARE, PARNELL • ST HELIERS**

SOME OF THE ULTRASOUND IMAGES USED IN THIS BROCHURE ARE COURTESY OF GE & PHILIPS HEALTHCARE

**DURING THE SCAN THE RADIOLOGIST AND/OR SONOGRAPHER WILL:**

- **Take measurements to check dates and growth.**
- **Check the position of the placenta.**
- **Make a thorough examination of the anatomy including:**

- **The spine:** Ultrasound is the best diagnostic test for detecting spina bifida.

- **The heart:** At 18 weeks the heart is very small and complex. Despite our best efforts, only around 50% of heart defects can be detected with ultrasound.

- **The major organs:** The presence, appearance and position of all the major organs will be assessed.

- **The limbs:** All four limbs will be fully assessed.

- **The face:** The face will be checked for abnormalities such as cleft lip.

- **The head and brain:** Brain structures and development will be assessed.

- **Chromosomal disorders:** The most common chromosomal disorder is Down Syndrome. This is very difficult to check at 18 weeks and it is better to have the screening test done at 12 weeks. This is called a **nuchal translucency scan**.



18 WEEK PROFILE



CEREBELLUM (BRAIN)



UMBILICAL CORD



FETAL ABDOMEN



**DUE TO THE COMPLEX NATURE** of this scan, the sonographer needs a very high level of concentration to obtain the best possible images of your baby. We therefore request that you limit the number of family members and friends you have with you in the examination room to two.

Other family members or friends can be invited into the examination room alternately if they wish.

**4D SCANNING IS THE LATEST ULTRASOUND TECHNOLOGY AVAILABLE** and can be used to produce a more realistic image of your baby.

The quality of the images taken at the time of the scan are dependent on a number of factors.

These include:

- The position of the baby.
- Maternal size.
- The amount of amniotic fluid present around the baby.

Due to these factors, it is sometimes very difficult to obtain one really clear image at the time of your scan.

**YOUR LMC, MIDWIFE OR SPECIALIST** will receive a radiologist's report of your scan the following day. In the case of urgent appointments on the day of your scan, a report can be typed while you wait. This takes approximately 30 minutes.

**ACCESSING YOUR IMAGES**

After significant customer feedback, we realised there was a need for a more user-friendly way for obstetric patients to access their images, so we signed on with a **new cloud based obstetric imaging service, aptly named 'The Stork'**.

The Stork offers patients direct, online access to their ultrasound images from any device, while also maintaining their privacy.

Once a scan is completed, the patient is sent a link and an access code via email or SMS. They then simply follow the link, enter their code and view their images on their phone, tablet or computer.

Ascot Radiology continues to store all the original ultrasound images and these are available for referrers to access at any time.

To find out more, go to: [www.thestork.co.nz](http://www.thestork.co.nz)

