

ASCOT RADIOLOGY HAS THE MOST MODERN ULTRASOUND TECHNOLOGY: 4D ultrasound and live 3D, providing expectant parents with amazing life-like images of their baby.



FURTHER INFORMATION on obstetric ultrasound, including nuchal fold and fetal anatomy scanning, and a current price list, can also be found on our website:
www.ascotrad.co.nz/Our-Services/Ultrasound



4D 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

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

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

ST HELIERS (From 1st June 2017):
First Floor, 8-10 Turua Street, St Heliers TEL: (09) 555 9558

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

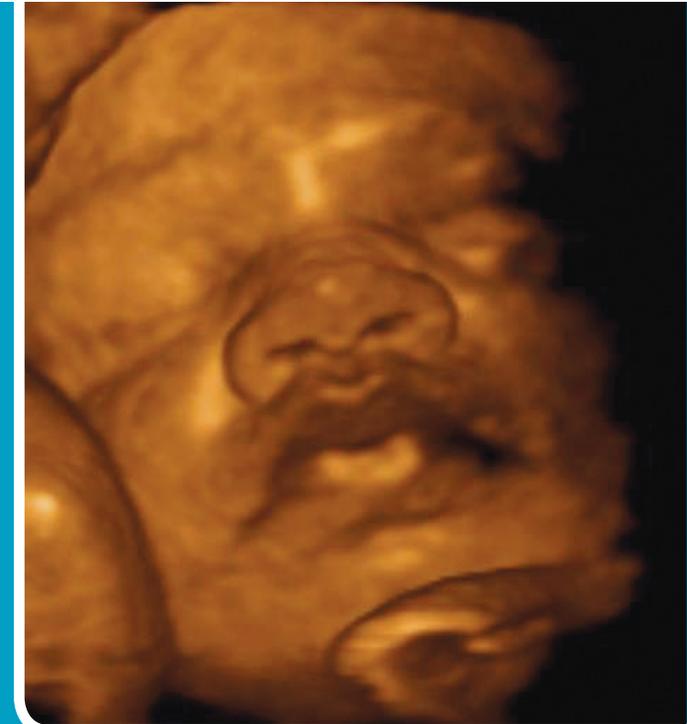
 **ASCOT RADIOLOGY**
www.ascotrad.co.nz

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

 **ASCOT
RADIOLOGY**
OBSTETRIC ULTRASOUND



**ULTRASOUND IN THE
FOURTH DIMENSION**



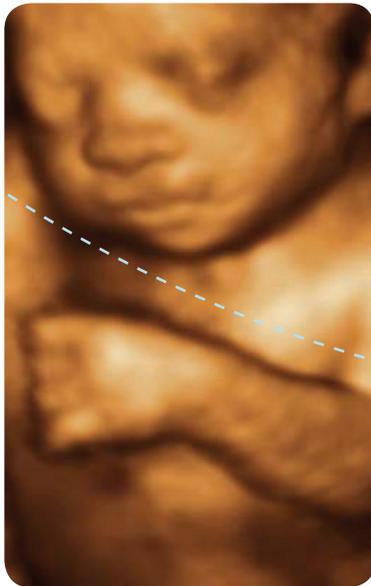
**ASCOT HOSPITAL • AUT MILLENNIUM
BIRTHCARE, PARNELL • ST HELIERS**

WHAT IS 4D ULTRASOUND?

4D is the fourth dimension in ultrasound when a 3D image has another dimension; time.

4D is the latest ultrasound technology. It takes many conventional 2D images, creates a surface rendered 3D image, and adds time to the process. The result is realistic live action images of your unborn child. 4D ultrasound represents the difference between video and a still photograph.

Through this revolutionary technology, your baby's 3D image is continually updated providing a live action view. It is a very fast process using a large volume of data to reconstruct the images over and over, giving a moving image.



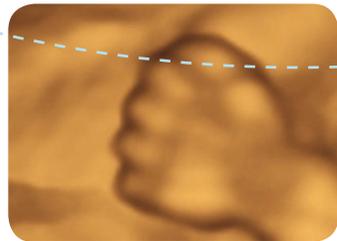
WHAT ARE THE ADVANTAGES?

4D ultrasound is frequently used to look at the surface of the face or other fetal structures which, when surrounded by amniotic fluid, are given a lifelike image. It often makes images easier to understand for those not used to looking at conventional 2D ultrasound and can provide amazing lifelike pictures to expectant parents.

It is also used to enhance visualisation of fetal abnormalities picked up during routine ultrasound scans, such as cleft lip, so that parents can recognise what the doctors are describing.

ARE THERE ANY RISKS ASSOCIATED WITH 3D/4D ULTRASOUND?

No. 3D and 4D ultrasound both only utilise sound waves to look inside the baby in the same way as ordinary 2D ultrasound.



ARE GOOD 4D IMAGES ALWAYS OBTAINED?

Often a good image can be obtained but not always. As with conventional 2D scanning, baby's position, maternal size and the amount of amniotic fluid play a vital role in the quality of the picture.

To get an ideal surface rendered image, the surface must only have fluid around it. If an arm is over the face or the face is up against the wall of the uterus, a good image may not be possible. **26 to 36 weeks is the ideal time for scanning** as there is more amniotic fluid and the baby has developed some soft tissue about the face. However, **4D imaging can be attempted at any stage beyond 12 weeks.**

The 4D scan will be performed at the end of the medical part of the ultrasound examination and you will only be charged if an adequate image is achieved. This cost is on top of all our normal charges.

