

4D ULTRASOUND

4D ultrasound, or “real-time 3D ultrasound”, rests on the concept that as computers grow ever more powerful, we can use ultrasound equipment to acquire and display 3D datasets in real time, as a patient is being scanned. Besides other, this has many benefits in obstetrical scanning where it is critical to analyze continues its physiological movements and allows the development of fetal psychology. With the 4D ultrasound, the technology works the same as 3D technology. The difference between the two, however, is movement. For instance, if the technician takes a 4D image of the baby in the mother’s womb, they can see a variety of different short clips of the baby moving around (i.e. the baby may be seen yawning during certain periods of time or the baby’s heart beating.)