

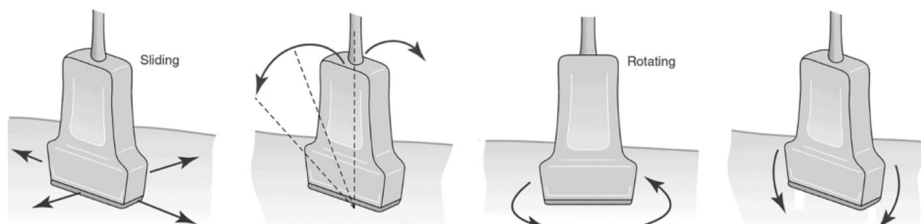
NTQA

Probe Manipulation

Nuchal Translucency Quality Assurance (NTQA) program

Transducer Manipulation

Cardinal Transducer Manipulation/Movement (Sliding, Tilting, Rotating, and Rocking)



Probe Movements



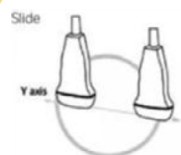
Tilt (fan)

- Tilt beam on a single point on the skin, w/o sliding, rocking or rotating
- From acute angle to perpendicular to obtuse angle, and back again

Rock (heel-toe)

- Rock probe w/o changing reference marker orientation
- Apply more pressure to one end of the transducer's long axis

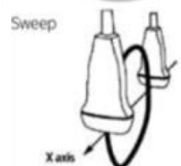
Redefined Set of Fundamental Transducer Motions



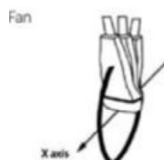
Motion in the long axis of the probe across the body with a consistent angle of insonation at 90° to the target



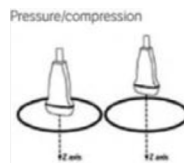
Motion in the long axis of the probe along a fixed point on the body while changing the angle of insonation away from 90°



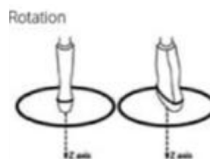
Motion in the short axis of the probe across the body with a consistent angle of insonation at 90° to the target



Motion in the short axis of the probe along a fixed point on the body while changing the angle of insonation away from 90°



Pressure on the probe into the body, compression of the body by applying force on the probe toward the patient's body



Movement around the compression axis in a clockwise or counter-clockwise direction