TECHNIQUE & KNOBS

SCANNING TIPS & TRICKS:
- Use FLUID-FILLED structures & SOLID ORGANS as your scanning windows - those help you see what's behind them.
- You cannot scan through BONE - move your probe or change scanning angle if you want to see what's behind it.
- Avoid AIR-FILLED structures - air scatters ultrasound signal.

TISSUE COMPRESSION

Seal SKIN-PROBE interface with ultrasound gel - can be homemade! Can use water baths, gel pads, water-filled gloves or small IVF bags as standoffs pads.

NOT ENOUGH
JUST RIGHT
NOT ENOUGH
JUST RIGHT
TOO MUCH

CHOOSING PROBES

Choose LOW FREQUENCY transducers, PHASED ARRAY (or CURVILINEAR), 4 deep scanning.
- DEPTH comes at cost of DETAIL.
- Use LINEAR probes for superficial fine detail (won't get much depth).
- Use SCREEN & PROBE MARKERS for ORIENTATION.
- Generally PROBE MARKER points 2 patient's HEAD or their RIGHT.
- SLIDE, ROTATE, TILT and/or ROCK probe to improve image.

KNOBS

MUST-KNOW knobs: ON/OFF switch, GAIN, DEPTH, MODE, (+/- FOCUS).
- Adjust GAIN: you can see structures of interest without creating bogus echoes.
- Adjust DEPTH: areas of interest take 2/3 to 3/4 of screen.
- Change MODES as needed.
- Set FOCUS to area of interest for best resolution in this spot.

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