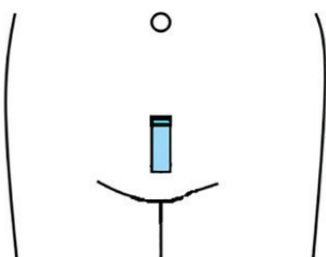


## How to Perform a Bladder Volume Calculation

- Enter Patient details, if required
- Select a curved or phased array transducer with the **Abdomen** preset
- Obtain a sagittal/longitudinal image by placing the transducer on the patient at the level of the symphysis pubis. The orientation marker on the transducer should be pointed towards the patient's head (Fig. 1a)

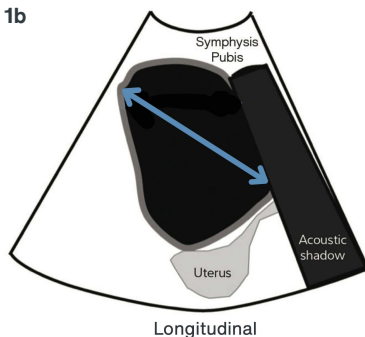
**Fig. 1a**



View 1 - Longitudinal

- Tap **FREEZE**
- Tap **CALC**
  - Select **D1**, under **Volume**
  - Position the yellow active caliper at the superior edge of the bladder using the touchpad (Fig. 1b, c)

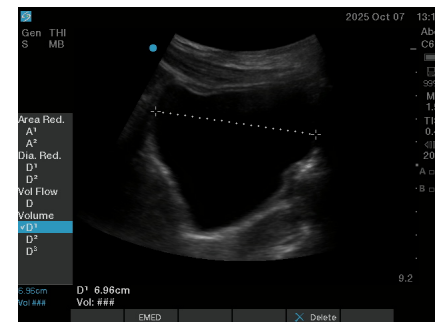
**Fig. 1b**



Longitudinal

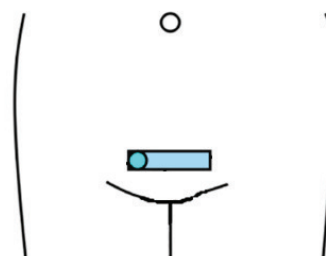
- Tap **SELECT** to activate the other caliper, and position it at the inferior edge of the bladder, maximizing caliper length (Fig. 1b, c)
- Tap **SAVE CALC**
- **Print or Save Image**
- Unfreeze

**Fig. 1c**



- Obtain a transverse view with the orientation marker toward the patient's right, while angling slightly inferior (Fig. 2a)
- Tap **FREEZE**

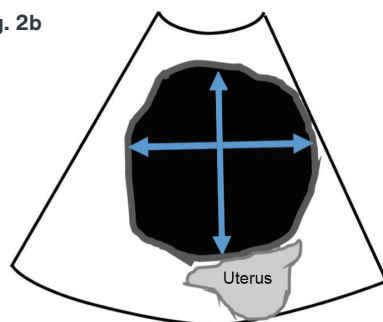
**Fig. 2a**



View 1 - Transverse

- Tap **CALCS**
- Tap **D2**, and measure the transverse bladder width (Fig. 2b, c) and tap **SAVE CALC**
- Tap **D3**, and measure anterior to posterior (Fig. 2b, c) and tap **SAVE CALC**

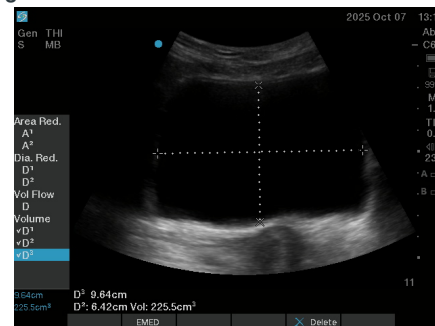
**Fig. 2b**



Transverse

- The volume will appear on the image in the lower left corner of the screen
- **Print or Save Image**

**Fig. 2c**



\* Remember Volume is (Length x Width x Height X .523). It does not matter which is your first measurement as long as you get all 3 measurements and SAVE them to the CALCS package

Dicuio et al. Measurements of urinary bladder volume: comparison of five ultrasound calculation methods in volunteers. Arch Ital Urol Androl. 2005 Mar;77(1):60-2. PMID: 15906795.

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