INTERSON

Quick Reference Card
ViewBladder 10

STARTING THE SYSTEM

Start the ViewBladder 10 System by connecting the USB probe and pressing the power button.
This loads both Windows and ViewBladder 10.
The system is ready to use in approximately 1 minute.

GETTING STARTED

You may choose to: (A) Scan the patient and then ask the patient to void to determine post void residual or (B) Simply ask them to void and then verify that their bladder is significantly less than full.

PATIENT PREP - IMAGING

Apply an ample amount of ultrasound gel to the patient or the probe. Position the probe two fingers above the pubic bone.

Ensure that the probe is oriented with the Scan/Freeze button pointing towards the patient's right side. Press the blue scan/freeze button on the ultrasound probe to start scanning. You may also press the green start-scan button.

OPTIMIZING THE IMAGE

Apply light pressure to ensure that the probe membrane stays in contact with the patient's abdomen. With the probe in a vertical position, start to tilt the probe towards the patient's head. Adjust pressure and tilt angle to optimize the image size.



TIPS TO OBTAIN A QUALITY IMAGE

- Adjust the probe pressure, tilt, and position to obtain the largest displayed image of the bladder.
- Bowel gas may make it difficult to view the bladder. Reposition the patient to capture the bladder image; try rolling them on their side - or have them sit up slightly.

BLADDER SIZE

Full = Easy to see - varies from the size and shape of a clenched fist to the size and shape of a small water balloon.

Empty = Size and shape of a golf ball – can be difficult to locate.

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ASSESSING BLADDER VOLUME

- Apply an ample amount of gel and start a scan by briefly pressing the large green Scan button or the blue scan / freeze button on the probe.
- Place the probe two fingers above the pubic bone with the probe's blue orientation, scan / freeze button to the patient's right side.
- When a quality image is displayed, the volume will be displayed.
- Adjust probe position, tilt, and pressure to obtain the largest image size.
- When you feel you have taken an image with the largest cross section of the bladder pause the scan by pressing the yellow pause button on the screen or the blue scan / freeze button on the probe.
- The system will display the picture with the largest volume and also display the associated bladder volume estimate.

BLADDER VOLUME METHODS

- ViewBladder 10 includes three methods to estimate volume:
  Bladder Volume Auto
  Bladder Volume 2D
  Bladder Volume 3D
- Bladder Volume Auto estimates the volume by automatically measuring the height and width of the transverse bladder image that is displayed on the screen. When the scan is stopped the system automatically displays the largest transverse image and the associated volume.
- Bladder Volume 2D estimates the volume from height and width calipers that the user places on the transverse bladder image.
- Bladder Volume 3D estimates the volume from the height, width and thickness of the bladder. The user places height and width calipers on the transverse image and then rotates the probe 90 degrees and takes a sagittal image. The user places the thickness caliper on the sagittal image. The system then estimates the bladder volume using the height, width, and thickness measurements.

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