

PROCEDURE

TITLE: **BLADDER SCANNER PROCEDURE**

PURPOSE: To outline the steps in assessing bladder volume using the bladder scanner

SUPPORTIVE DATA:

- The bladder scanner is a portable ultrasound instrument that measures bladder volume.
- It is a non invasive alternative to diagnosing and managing urinary outflow dysfunction.
- This procedure may be done by an RN or physician trained on the use of the device.
- Do not scan over a scar or the pubic bone and do not scan patients with open wounds in the suprapubic region.

EQUIPMENT LIST: Bladder Scanner (obtain from 3N treatment room)
Alcohol wipes
4 x 4 gauze pads
Ultrasound gel

CONTENT

KEYPOINTS

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| <ol style="list-style-type: none">1. Obtain equipment from 3N treatment room.2. Place patient's identification sticker in the appropriate area on the log sheet. Sign bladder scanner equipment out.3. Wash your hands4. Explain the procedure to the patient5. If the patient is being scanned for post void residual have the patient void 10-15 minutes prior to scan.6. Turn on the bladder scanner by pressing the ON/OFF button7. Have the patient lie flat with head elevated on a pillow.8. Position Bladder Scan so screen is easily viewed.9. Select Exam Mode by pressing the button repeatedly until desired setting appears | <p>Assists in patient cooperation during the procedure.</p> <p>Make sure the probe is plugged in on the battery is adequately charged. Check to make sure there is enough paper in the printer.</p> <p>Ask the patient not to flex his abdomen or move as this will alter the results.</p> <p>Female – who has not had a hysterectomy
Male – All Males or any female who has had a hysterectomy
Child – Height 48" (122 cm); and weight less than 60lb (27kg)</p> |
| <ol style="list-style-type: none">10. Expose the lower abdomen.11. Before using the probe, clean the rounded end by wiping it with an alcohol pad. | <p>The bladder lies in the pelvis directly behind the symphysis pubis (pelvic bone)</p> |

12. Palpate the patient's symphysis pubis, place an ample quantity of gel one inch above the symphysis pubis.
13. Stand at the patient's right side, place the probe on the gel and aim toward the expected location of the bladder. For most patients this means tilting the probe toward the coccyx.
14. Press the scan button located on the under side of the probe, hold until you hear a beep indicating the bladder measurement completed and is displayed. Release button. As the scan progresses, sections of the bladder will appear on the console screen.
15. If the scan is on target, all 8 arrows will flash on the probe screen. The bladder will be shown on the center of the cross hairs on the console screen.
16. If the scan is "off target", the probe will show an arrow indicating the direction to make the probe be on target. If the arrow is solid, it means you are slightly off target. If the arrow is flashing, it means you are significantly "off target". Reaim the probe in the direction of the arrow.
17. To re-aim, note the small dot at 6 o'clock (the foot of the patient). The 12 o'clock position represents the head of the patient. The upper (L) quadrant represents the right shoulder of the patient. The landmarks should assist in reaiming the probe. If a screen is shown that indicates the pubic bone is inside the ultrasound cone, re-aim the scan to capture entire bladder.
18. Press print button to print the exam.
19. Attach the printed result to the progress notes in the chart.
20. Turn off machine.
21. Wipe the ultrasound gel off the patient using a 4 x 4 and use approved hospital germicidal wipes to clean probe and machine after use. Notify physician of results if part of an order set or if urinary retention is present.
22. Return cleaned equipment to storage and note the return on the log sheet.

REFERENCES: Verathon Bladder Scanner BUI9400 2007