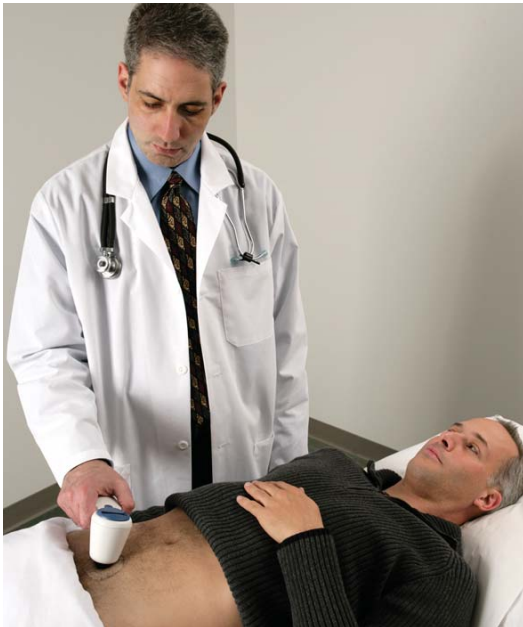


BladderScan® BVM 6500

UEBW (Ultrasound-Estimated Bladder Weight) and Bladder Volume Instrument



BladderScan® The Standard of Care for Bladder Volume Measurement

The BladderScan® family of products consists of portable ultrasound instruments that measure bladder volume. They provide quick, accurate and reliable results.

With the introduction of the new BladderScan® BVM 6500, UEBW (ultrasound-estimated bladder weight) can now be measured, as well as bladder volume.

Because BladderScan® instruments are noninvasive and easy to use, they are an excellent alternative to diagnostic urinary catheterization and a perfect tool to help healthcare providers noninvasively diagnose, manage and treat urinary outflow dysfunction.

BladderScan® Benefits

- Prevents unnecessary catheterization
- Helps prevent undiagnosed urinary retention
- Reduces rates of urinary tract infection
- Helps caregivers manage and treat incontinence
- Eliminates unnecessary trauma to patients, preserves their dignity and helps improve patient care
- Cost effective - saves staff time and improves job satisfaction

BladderScan® BVM 6500

The handheld portable BladderScan® BVM 6500:

- Measures UEBW (ultrasound-estimated bladder weight) noninvasively
- Measures bladder volume noninvasively
- Provides test results quickly
 - Bladder volume in seconds
 - Bladder mass in a few minutes
- Is easy to use, with aiming guidance provided on the device display
- Allows for exam results and images to be downloaded, viewed and printed using the Verathon™ ScanPoint® online imaging service
- Is battery operated and can be calibrated online via ScanPoint®
- Is lightweight and portable

UROLOGY

For the urologist, BladderScan® applications assist in:

- Diagnosis of severe bladder outlet obstruction (BOO), lower urinary tract symptoms (LUTS), overactive bladder (OAB), and prostatitis
- Monitoring post-operative recovery
- Measurement of post-void residual bladder volume (PVR)
- Evaluation of urinary retention

PRIMARY CARE

BladderScan® aids in the diagnosis and treatment of:

- Benign prostatic hyperplasia (BPH)
- Bladder outlet obstruction (BOO)
- Prostatitis
- Overactive bladder (OAB)

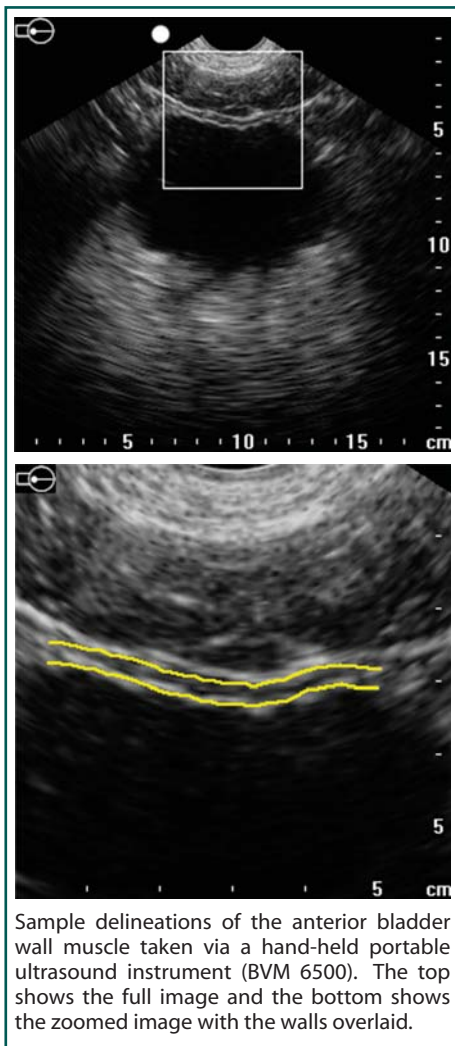
As a Primary Care physician, the BladderScan® will provide you with the information you need to more easily evaluate urological conditions, so you can prescribe appropriate treatment sooner.

Noninvasive, Accurate, Reliable, & Easy to Use



BladderScan® BVM 6500

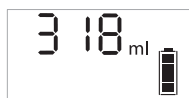
UEBW (Ultrasound-Estimated Bladder Weight) and Bladder Volume Instrument



Sample delineations of the anterior bladder wall muscle taken via a hand-held portable ultrasound instrument (BVM 6500). The top shows the full image and the bottom shows the zoomed image with the walls overlaid.

How BladderScan® Works

The BladderScan® calculates UEBW (i.e., bladder wall mass) and volume using patented V_{MODE}® technology. V_{MODE}® ultrasound is easy to use and comfortable for the patient. When you press the scan button, within seconds, the V_{MODE}® technology measures ultrasonic reflections on multiple planes inside the body and produces a 3-dimensional image. Based on this image, the BladderScan® calculates and displays the UEBW and bladder volume, and displays multiple B-mode images.



Sample Display - BVM 6500

Volume measurements made with V_{MODE}® ultrasound are more accurate than those from conventional ultrasound, as they are based on a more complex, 3-D image of the bladder.



By implementing the BladderScan® BVM 6500, you can improve the quality of care for patients with urinary problems.

DIAGNOSE

- Measure post-void residual (PVR)
- Differentiate urological problems more efficiently
- Diagnose urinary retention
- Identify blocked Foley catheter
- Verify empty bladder

MANAGE AND TREAT

- Establish volume (vs. time) based intermittent catheterization protocols
- Evaluate need to catheterize after Foley catheter removal
- Establish voiding trials
- Evaluate need to catheterize during intermittent catheterization
- Assist in bladder retraining (biofeedback)

PREVENT

- Eliminate unnecessary catheterization
- Reduce UTIs
- Minimize antibiotic use associated with UTI
- Minimize catheter-related damage to upper urinary tract
- Prevent urinary retention
- Prevent post-operative (acute) urinary retention
- Prevent bladder overdistension

Specifications - BVM 6500

Range:	Bladder volume range 0 to 999 ml Bladder mass range 10 to 150 g	Display:	Liquid crystal
Accuracy:	The following accuracy specification assumes usage per instruction, scanning a Verathon® Inc. Tissue Equivalent Phantom: Bladder Volume: 0 to 999 ml ± 15%, ± 15 ml Bladder Mass: ± 10 g	Ultrasound Output Parameters:	Maximum SPTA* Intensity: 1.04mW/cm ² Maximum SPPA* Intensity: 65.0W/cm ² Mechanical Index (MI): 0.925 maximum Ultrasound Frequency: 3.7 MHz Scan angle: 120 degrees
Scan Time:	Less than 10 seconds	Operating Conditions:	Mode: V _{MODE} ® (multiple, aligned B-mode images) Temperature: +10° C to +40° C Humidity: 30% to 75%, non-condensing
Weight:	Less than 11 oz. (309 grams)		
Power:	3.8v Li Ion rechargeable battery		

* SPTA = Spatial temporal average; SPPA = Spatial peak pulse average

The BladderScan® BVM 6500 is CE Marked in accordance with the Medical Device Directive and the Verathon® quality system is Quality System Certified to ISO 13485:2003 standards. US Patent No. 4926871, 5235985, 6569097, 6676605, 6884217. INTL Patents Pending. BladderScan®, ScanPoint®, V_{MODE}®, Verathon® and Verathon Medical® are either registered trademarks or trademarks of Verathon Inc. in the USA and/or other countries. Copyright ©2007. All rights reserved.



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