PATHWAY® ULTRASOUND IMAGING SYSTEM
FOR LUMBO PELVIC REHABILITATION

Orthopedic

Pelvic Health
"The affordability, ease of use, and image quality of this system is going to revolutionize clinical practice by providing access to technology that was once limited to academic research."
- Ramona C. Horton, MPT

"Portability is a huge benefit and probably my favorite. I take the entire system to work in my laptop bag and can move it from clinic to clinic very easily."
- Allison A. Thompson, PT, DPT, CLT-LANA, BCB-PMD

1. Touchscreen Tablet With Detachable Keyboard and Operator’s Guide

2. 3.5-7.5 MHz Curvilinear Ultrasound Imaging Transducer With USB C Plug In Cable

3. Wireless Mouse
Key Features & Benefits

**SLEEK**
Portable equipment fits in a laptop bag.

**AFFORDABLE**

**PRICE**
High resolution ultrasound at a fraction of the cost.

**IMAGE QUALITY**
Clearly identify images not typically detected by other ultrasound imaging systems.

**USER FRIENDLY PRESET CONFIGURATIONS**
Preset protocols produce optimum ultrasound images.

**STANDARD PC KEYBOARD**
Making annotations and typing patient information is quick and easy with the PC keyboard.

**PRESET PROTOCOLS FOR:**
- Abdominal Wall
- Bladder
- Multidus
- Transperineal
“Research reveals that the primary impairment of the muscular system in individuals with low back pain is not one of strength or functional capacity but rather one of motor control of the deep muscles of the trunk. The use of ultrasound imaging to observe the real-time contraction of muscles is a valuable tool, specifically when the muscles of interest are deep and not readily observable” (Whittaker, 2004).
Pelvic Health

Motor Retraining

Identifying Dysfunction

Anterior Abdominal Wall With Measurement of Inter-Rectus Distance

Pediatric Patient With Full Rectum

Pelvic Floor Muscles, Poor Stabilization During Functional Task

Pelvic Organ Prolapse Observed During Valsalva

Transperineal View Male, Post Prostatectomy

Post Void Residual on a Pediatric Patient
Need Help Setting Up Your New System?

When you enter our virtual training portal, you will have immediate, 24/7 instant access to a complete library of training videos and still photos - all at your fingertips.

We have plenty of videos to get you up and running, or if you need a refresher, the virtual portal is always there for your convenience.

Virtual Training Portal & Customer Care

Comprehensive Instructional Video Library

Training included with your purchase.

Image Library

Customer Care Options

Our Tech Support Team is here to help Monday - Friday 9am to 5pm EST.

Call Us Toll Free
1-800-442-2325

Need more than phone support?

We have other Customer Care options to choose from:

1. Team Viewer allows for remote technical support and system updates.

2. One on One Interactive Skype Support through the EchoGen portal. (For an additional fee).


Equipment Specifications

**Accuracy:**
Distance: ±2%, ±2 mm

**Ultrasound Probe Dimensions and Weight:**
Width: 6.2 cm (2.44 in)
Height: 2.6 cm (1.02 in)
Length: 15 cm (5.9 in)
Weight: 110 grams (3.88 oz)

**Ultrasound Output Parameters:**
Depth Range: 2 - 30 cm (Selectable, 1 cm increments)
Pulse Frequency: 3.5 MHz, 5 MHz, 7.5 MHz (Selectable)
Focal Zone: Programmable
Focal Point: Dynamic
Scan Angle: 60°
Scan Mode: B-Mode
Patient Contact Sector Length: 49 mm (2.5 in)
Frame Rate: 20 fps

ISPTA.3: 13.7 mW/cm² (maximum)
ISPPA.3: IPA.3 @ Mmax = 180 W/cm²
Mechanical Index: 1.02 (maximum)
Transducer Diameter: N/A
Transducer Resonant Frequency: 5.0 MHz (calculated center freq.)
Transducer Bandwidth: Over 60%
Number of Scanning Planes: 1
Pulse Repetition Frequency: 5.1 kHz
TIS: 0.115

**Tablet PC:**
Display: 12.1 in
Resolution: 1920 X 1200
Processor: Core i5 2.3 GHZ
RAM: 4 GB
Hard Drive: 256 GB
Battery: 38 Whr Rechargeable Battery (Providing 4+ hours of use)
Length: 30.0 cm (11.8 in)
Width: 20.1 cm (8.1 in)
Height: 1 cm (0.4 in)
Weight: 0.9 kg (1.98 lbs)
FAQ Page

What is the difference between real-time ultrasound and rehabilitative ultrasound?

At the inaugural Rehabilitative Ultrasound Symposium held in San Antonio, TX in 2007, the consensus was reached to adopt the official title rehabilitative ultrasound imaging (RUSI) for the utilization of ultrasound imaging by physical therapy professionals.

At the symposium, the delegates unanimously agreed to a “Rehabilitative Ultrasound Imaging International Consensus Statement” as follows:

RUSI is a procedure used by physical therapists to evaluate muscle and related soft tissue morphology and function during exercise and physical tasks. RUSI is used to assist in the application of therapeutic interventions aimed at improving neuromuscular function. This includes providing feedback to the patient and physical therapist to improve clinical outcomes.

How do I bill for RUSI in a clinic visit?

There are no specific CPT codes for RUSI, it is a component of a standard timed charge that includes training of movement systems such as therapeutic activities, therapeutic exercise or neuromuscular re-education. Assessing for progress of motor function could be a component of a re-evaluation charge.

How is it cost effective?

Patients progress much faster when they can actually see the deep stabilizing muscles you want them to activate. The therapist can quickly observe suboptimal activation strategies and provide instantaneous feedback in early training and functional activities. The addition of RUSI can be used as a marketing tool to draw traffic to your clinic.

I have sEMG biofeedback, why should I spend the money for RUSI?

Surface EMG provides a quantitative value of the motor action potential of the pelvic floor muscles, but cannot validate PFM lift which is associated with continence. RUSI can provide information on muscle morphology such as size as well as motor activation patterns for the PFM, abdominal wall, and lumbar stabilizers.

RUSI is useful for strength training, what about the patient with overactive muscles?

Patients with overactive pelvic floor or abdominal muscles can clearly see their muscle activation pattern as well as a voluntary inhibition. This PFM motor pattern is visible from a suprapubic view using the bladder as a window or a transperineal view observing the anterior and posterior compartment. Downtraining with breathing and inhibition provides visual feedback to the patient.

Do I need specialized training or certification to use RUSI?

You should always refer to your state practice act, but currently there are no known specific requirements for certification for PTs performing RUSI. Certifications for physical therapists do exist through third-party agencies. These are more for the orthopedic and sports medicine therapists evaluating for muscle pathology, none are recognized by the APTA. At present, RUSI hands-on training courses are offered through multiple continuing education companies to include the Herman & Wallace Pelvic Rehabilitation Institute.

Is there training available?

All purchases of the Pathway® RUSI system include access to our exclusive online training videos and libraries via the EchoGen Portal. Videos will include ultrasound basics, system operation and clinical applications such as lumbopelvic motor retraining, measuring bladder volume, male and female transperineal imaging, plus a library of stored images with labels and select patient cases.

How do I sterilize the probe between patients?

Probes are sanitized with Alcohol-Free disposable wipes that are designed for the exact use. Never wash it under running water. It is essential that the correct wipe is used, alcohol-based disinfectants can damage the surface of the probe. We recommend PDI Sani-Cloth AF3.
Shipping & Returns

To Place an Order:

Call Customer Service toll free at 1.800.442.2325 or Fax 1.603.749.0511. Customer Service Representatives are happy to assist with processing your order or answering your questions, Monday - Friday, 9am - 5pm EST.

Payment Terms:

NET 30 Terms are available for established accounts. All major credit cards are accepted.

Shipping:

(F.O.B.) shipping point. Please allow five (5) days for delivery. Rush (air freight) orders are shipped F.O.B. shipping point.

Credit & Returns:

Equipment may be returned within 30 days from the invoice date (subject to a 20% restocking fee).

Accessories that are unopened, undamaged, and unmarked may be returned for full credit within 30 days from the invoice date.

Please call Customer Service for a RMA# prior to returning the product and be sure the RMA# is clearly visible on the outside of the package.

Technical Support:

Have a question about your equipment or need technical assistance?

Call our Technical Support Team toll free at 1.800.272.8492. Monday - Friday, 9am - 5pm EST.
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Contact us today for more information.
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