

## **EPAT® Shockwave Therapy**

This scientifically proven procedure represents a breakthrough in regenerative medicine treatment options for a broad range of musculoskeletal disorders/conditions utilizing a proprietary set of unique acoustic pressure waves that stimulate the metabolism, enhance blood circulation, and accelerate the healing process non-operatively.

### **Physical Effects of Acoustic Pressure Waves**

Acoustic pressure waves offer a non-invasive treatment solution to long term tendon insertion and soft tissue pathologies. Local treatment in the affected area will support and reset the healing pattern.

Today there are several working hypothesis for the physical effects of acoustic pressure waves:

- **Pain reduction:** The patient experiences a reduction of pain, explained by the Gate Control Theory. Intensive pulses from the transmitter into the tissues create a strong nociceptor activation of the A-? fibers, which affect interneurons that inhibit the transmission of the pain signals.
- **Increased metabolism:** Acoustic pressure waves influence the tissues on a cellular level. The chemical environment of the cells is affected by free radicals promoting the release of pain and inflammatory inhibiting substances.
- **Revascularization:** Repeated acoustic pressure waves to the affected area create a revascularization effect, with the new blood flow in the area promoting tissue healing and regeneration.
- **Reduced muscle tone:** The “vicious circle”, as well as the strong pathological association between pain and muscle tone, will be broken and lead to restoring a normalized muscular tone.



## How Non-Invasive EPAT® Procedures Work

Extracorporeal Pulse Activation Technology (EPAT®) is proprietary technology based on several unique sets of acoustic pressure waves that activate biologic and angiogenic responses including new vascularization and microcirculatory improvement, helping to restore the body's normal healing processes and tissue regeneration.

Patient educational video

link: [http://www.youtube.com/watch?v=ZAXRuP6eBmQ&feature=results\\_video](http://www.youtube.com/watch?v=ZAXRuP6eBmQ&feature=results_video)

## Clinical & Economic Benefit Overview

EPAT® Technology offers gentle, fast, and highly effective non-invasive treatment without the need for ultrasound guidance, anesthesia, medication or surgical intervention to achieve effective and sustaining results. There are no incisions, no risk of infection, no needles, and no down time. The beneficial effects of EPAT® are numerous and are often experienced after only 3 treatments with some patients reporting immediate relief. In fact, clinical research shows over 80% of patients treated have experienced a significant reduction in pain or are completely pain free.

Clinical benefits include:

- **Quicker Recovery** – Since a non-invasive procedure requires no incisions, no scarring, your body typically heals much faster.
- **No Downtime** – No restrictions on normal use. Non-invasive procedures help get you back to your active life immediately.
- **No scarring** – No incisions means no scarring or fibrotic tissue build-up
- **Less pain** – Because these procedures are non-invasive, there is typically less pain involved.

EPAT® procedures are generally, considered “elective pay” however, provide significant clinical and cost benefits to patients, improve efficiencies, cash-flow and revenue to the bottom line.

Economic Benefits include:

EPAT® results in significant care cost and productivity savings.

Patients suffering with acute & chronic musculoskeletal disorders often experience a continuum of failed conservative (non-operative) treatment that often extends over several months and/or years of treatment resulting, in significant costs to the health plan, the patient's employer (lost productivity) and personal costs to the patient to include; co-pay and deductible amounts.

**Cost Comparison: Extracorporeal Pulse Activation Treatment (EPAT®)  
for Acute & Chronic Musculoskeletal Pain Can Significantly Reduce Healthcare Expenditures Vs.  
Traditional Treatment Options Including Surgery**

Itemized Costs- Traditional Treatment Methods Including Surgery (Unilateral Procedure)	Estimated Traditional Treatment Costs Based on Reimbursement
<u>Traditional Non-Operative Treatment Regimen</u> -Office visits, cortisone injections, NSAIDS, physical therapy, orthotics, casting, x-rays, night splints (Approximately 18 Months)	\$4000- \$5,000
Physician Charges (approx.)	\$1,500 - \$2,500
Facility and Technical Charges	\$3,500 - \$4,500
Anesthesia Professional Charge (approx.)	\$500 - \$1,000
Direct After Care Costs- (office visits, physical rehab, DMEs, treatment of complications, etc.)	\$1,625.00 - \$4,500 (higher for complications and patients needing additional surgery)
Lost productivity for recovery time (restrictions on weight bearing and activities post-op, etc.)	\$4,000 on up
<b>Total Costs</b>	<b>\$15,125- \$21,500</b>

Traditional Treatment Methods Including Surgery (*Patient Costs Based On \$20.00 Co-Pay and \$500 Deductible)	Estimated Patient Out of Pocket Expense Traditional Treatments
<u>Non-Operative Treatment Regimen</u> (Office visits, cortisone injections, NSAIDS, physical therapy, orthotics, casting, x-rays, night splints)	\$1,180.00
<u>Procedural Costs</u> -Unit costs include: (Physician, anesthesia and facility/technical reimbursement)	*\$500.00 Deductible
<u>Direct After Care Costs</u> - (Office visits, medications, PT, durable medical equipment, x-rays)	\$350.00
<u>Total Estimated Patient Out-Of-Pocket Costs with Insurance Coverage</u>	\$2,030.00

**The cost of EPAT therapy is \$500.00 for 3-10 sessions, usually 10-15 minute sessions each, given at 1 week intervals. If symptoms persist after 3 months, one more treatment is provided at no charge. After this time, if EPAT is needed in the future, each session is \$150.00.**

*Please call our office at 727-894-0794 to schedule your appointment.*

