

**BIOWAVE**  
SMARTER PAIN BLOCKING TECHNOLOGY

Get  
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in the  
game

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**BIOWAVEPRO**

# Instant Pain relief at the touch of a button

BioWavePRO delivers therapeutic electrical signals through skin directly to pain nerves to:

- ◆ Block the pain signal
- ◆ Increase range of motion and
- ◆ Reduce stiffness and muscle spasm



**BioWavePRO**  
offers easy to use  
pain relief anytime,  
anywhere.

# BIOWAVE PRO



## Immediate Pain Relief

85% of patients report a significant reduction in pain scores and their pain relief improves even further following treatment.

Reference: Double Blinded, Randomized, Controlled Study Comparing BioWave vs. TENS for the Treatment of Chronic Low Back Pain, Weill Cornell Medical College



## Speeds Return To Play

Easily used during active or passive range of motion exercise or stretching therapy speeding recovery and return to play.



## Opioid Reduction

Clinical studies and doctors report that use of BioWavePENS allows patients to reduce consumption of opioids and other pain medication by up to 50%.

Reference: Randomized Controlled Study on the treatment of post-operative pain from TKA surgery, Hospital for Special Surgery, New York City

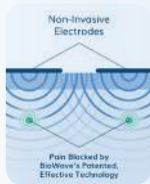


## Long-Lasting Pain Relief

Patients who respond experience pain relief and improved function for up to 24 hours following the treatment. Multiple treatments may provide a cumulative benefit.

Reference: NY Giants White Paper - IRB approved study on treatment of Acute Sports Injuries on NY Giants football players June 2003-Dec 2005, 600 treatments on 160 players

# BIOWAVE



## Blocking pain signals to the brain

**BioWavePRO transmits therapeutic electrical signals subcutaneously directly to pain nerve fibers. The active electrical field:**

- ◆ Prevents action potential propagation along pain fibers
- ◆ Induces hypoesthesia on sensory fibers
- ◆ Increases blood flow through the volume of tissue being treated



BioWavePRO is cleared by the FDA for use in treating chronic, acute or post-operative pain and available by prescription only.



# Return to Play



I have been using BioWave for five years now and have grown to count on it on helping me keep my athletes on the playing field. In a sport that requires them to play everyday, I need a product that I know will give me the results I need to help combat pain, inflammation and muscle fatigue. I have had tremendous results in having pitchers reducing shoulder and elbow soreness using it for treatments the day following their starts. I use it on elbows for flexor bundle inflammation and medial epicondylitis, and on shoulders to help reduce inflammation and fatigue. I also use it in our rehab settings following surgeries to help control pain and facilitate motion during exercise programs. The “blue box” is an important adjunct to our overall health care plan to keep our players on the baseball diamond.



***Rick Griffin***  
***Head Athletic Trainer***  
***Seattle Mariners***  
***Baseball Club***



Easy to Use

# BIOWAVEPRO offers easy to use pain relief anytime, anywhere.



- ◆ Hand held and highly portable
- ◆ No programming, athlete controls pain at the touch of a button
- ◆ Comfortable, efficacious treatment leads to excellent athlete compliance

**Accelerate Return to Play**

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You are  
in total  
control.

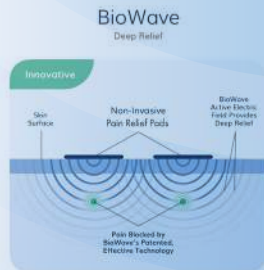
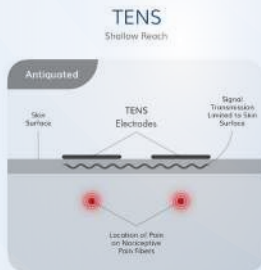


## How is BioWavePRO superior to TENS?

While both modalities use electrical stimulation to treat pain, that is where any similarity ends. TENS transmits stimulation transcutaneously (across the surface of skin) which may act as a distraction (gate control theory) temporarily reducing the sensation of pain.

BioWavePRO on the other hand transmits stimulation subcutaneously (beneath the surface of skin) directly to pain nerve fibers.

The stimulation encompasses pain nerve fibers, inhibiting the sodium potassium ion exchange, preventing action potential propagation and stopping the transmission of pain signals to the brain providing instant, long lasting pain relief (frequency conduction block theory).





## What is the treatment protocol for BioWavePRO?

Athletes typically use BioWavePRO before and after practice or the game. Treatments are 30 minutes in duration whether used as a static pain treatment or during active or passive range of motion to accelerate rehabilitation.

## Who needs to perform the treatment?

BioWavePRO has been designed with the athlete in mind. There is no programming, the only control is intensity. The athlete controls their own comfort level by adjusting the intensity and can treat themselves anywhere, anytime not only in the training room, but in the hotel room, airplane, bus, or on the sidelines.

To learn more ask your doctor or visit [BioWave.com](https://www.BioWave.com).



CLEARED



ENDORSED BY  
HEROES AND CHAMPIONS



MADE IN USA



**BIO WAVE**  
SMARTER PAIN BLOCKING TECHNOLOGY

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**Learn more at [BioWave.com](http://BioWave.com)**

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