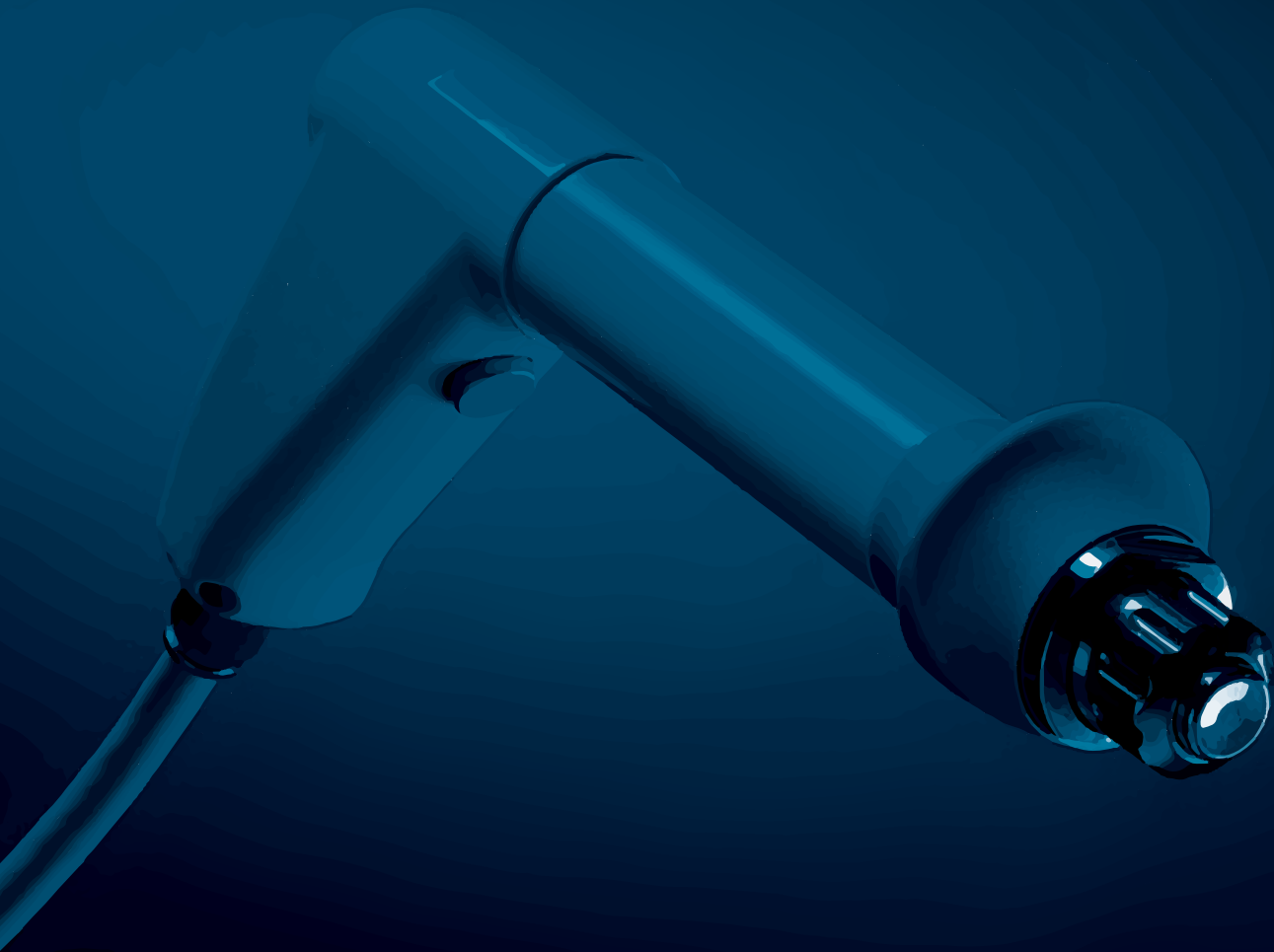


ORTHOCANADA



Shockwave Therapy



SHOCKWAVE THERAPY

HIGHLY EFFECTIVE PAIN TREATMENT

BTL Shockwave therapy is a new non-invasive solution for chronic musculoskeletal pain. The Extracorporeal Shockwave therapy is frequently used in physiotherapy, orthopaedics and sports medicine. Applications are mostly associated with the treatment of chronic muscular and tendon disorders, back and cervical pain.

Most common indications include: painful shoulder, epicondylitis, low back pain, Achilles tendon pain, tendonitis and trigger points. During the therapy, a highintensity acoustic wave interacts with the tissues of the body. This leads to a cascade of beneficial effects including neovascularization, reversal of chronic inflammation, stimulation of collagen production and dissolution of calcium build-up. Stimulation of these biological mechanisms creates an optimal healing environment. As the injured area is returned to normal, functionality is restored and pain is relieved.

The BTL Shockwave is the most powerful and compact Shockwave system on the market. It is supplied with ergonomically shaped applicator with extremely long lifetime.

In 2014, the BTL – 6000 SWT Topline achieved the Red Dot Design Award, one of the most respected worldwide awards in product design. The BTL – 6000 SWT Topline won this coveted award due to its superior functionality, level of innovation, formal design quality and technological expertise.



reddot award 2014
winner

SHOCKWAVE THERAPY

FAST AND PERMANENT RELIEF FROM PAIN

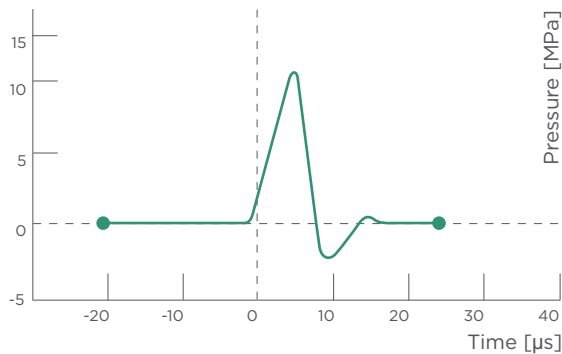
- Unique, non-invasive solution for musculoskeletal pain
- Just three to four treatments needed at weekly intervals
- A therapy session only takes about 10 minutes

FIELDS OF APPLICATION

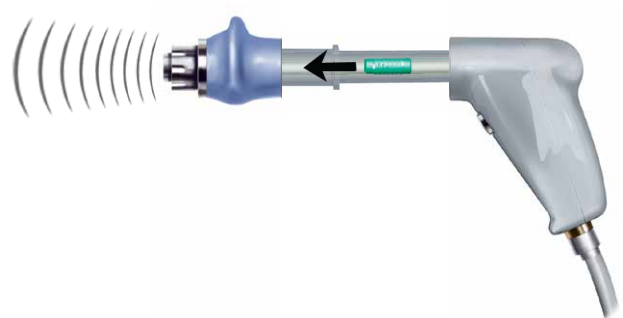
- Orthopaedics
- Rehabilitation
- Sports medicine

MECHANISM OF ACTION

A shockwave is an acoustic wave which carries high energy to painful spots and musculoskeletal tissues with subacute, subchronic and chronic conditions. The energy promotes regenerating and reparative processes of the bones, tendons and other soft tissues.



Shockwaves are characterized by jump change in pressure, high amplitude and non-periodicity.

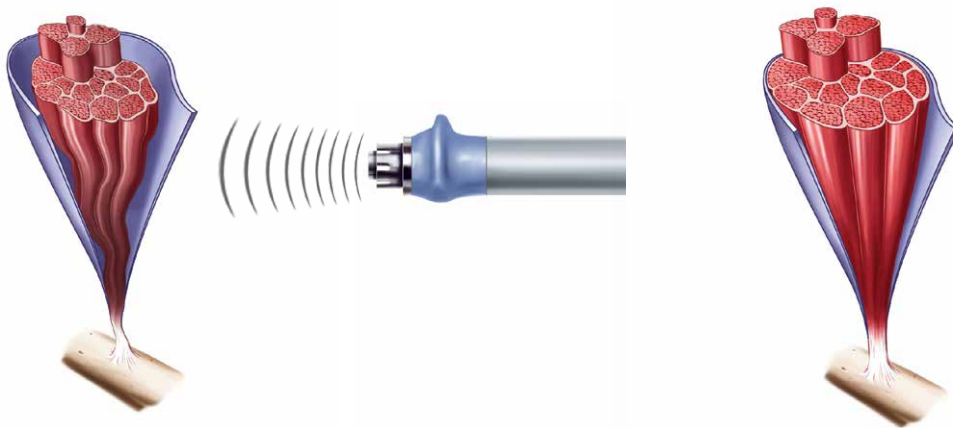


The kinetic energy of the projectile, created by compressed air, is transferred to the transmitter at the end of the applicator.

ANALGESIC EFFECT - ELIMINATION OF PAIN

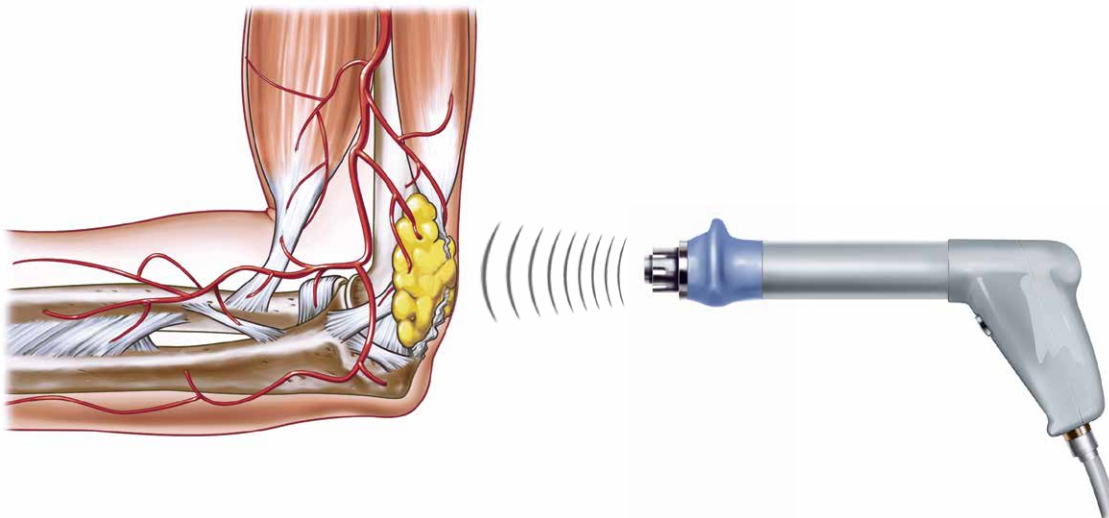
DECREASE OF MUSCLE TENSION, INHIBITION OF SPASMS

Hyperaemia is one of the basic effects of Shockwave therapy in the body. It provides better energy supply to hypertonic muscles and their ligamentous structures. Furthermore, it causes lessening of pathological interactions between actin and myosin. This leads to significant reduction of muscle tension.



ENHANCED DISPERSION OF SUBSTANCE P

The activity of Substance P (a pain mediator and growth factor) leads to stimulation of afferent nociceptive fibres. It also supports development of oedema and supports secretion of histamine. Reduction of substance P concentration reduces pain in the affected area and decreases the development of oedema.



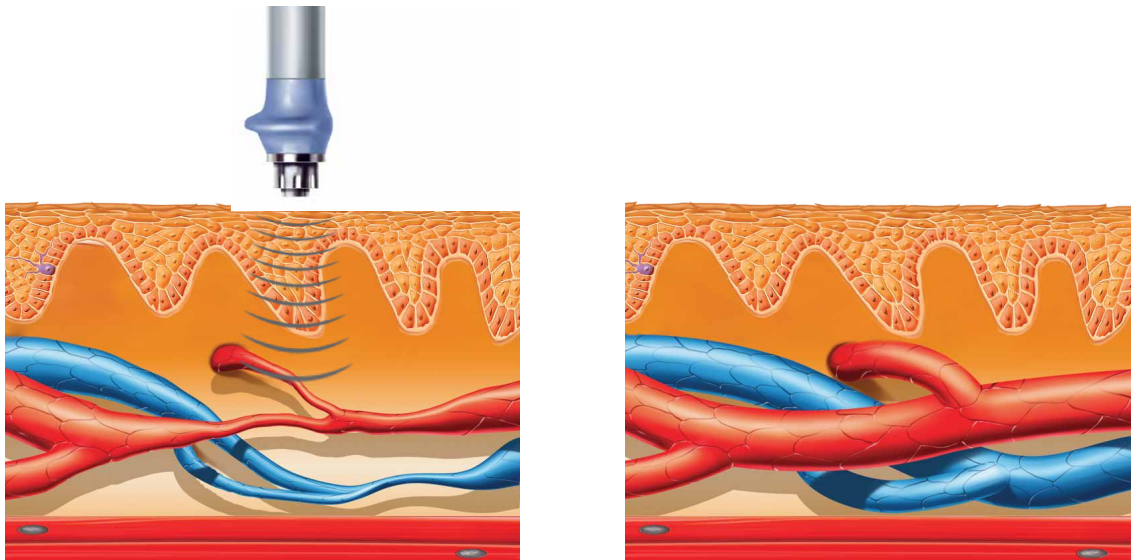
ACCELERATION OF HEALING

INCREASE OF COLLAGEN PRODUCTION

Production of a sufficient amount of collagen is a necessary precondition for the repair processes of the damaged myoskeletal and ligamentous structures.

IMPROVED METABOLISM AND MICROCIRCULATION

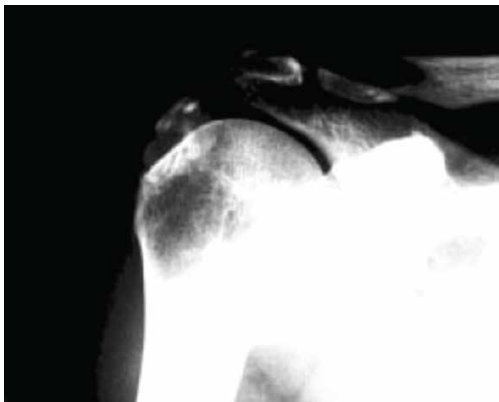
The SWT technology accelerates removal of nociceptive metabolites, increases oxygenation and supplies damaged tissue with source of energy. It supports removal of histamine, lactic acid and other irritating agents.



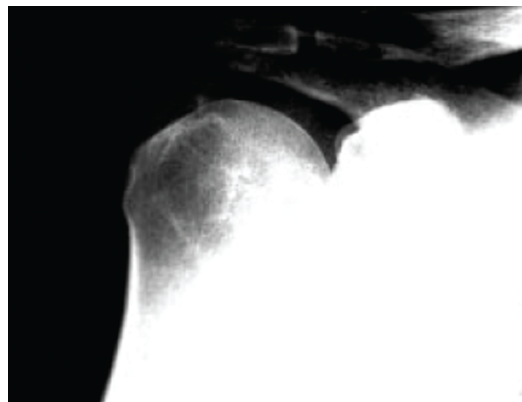
MOBILITY RESTORATION

DISSOLUTION OF THE CALCIFIED FIBROBLASTS

The SWT technology dissolves calcified fibroblasts and starts subsequent biochemical decalcification of primary calcaria or secondary symptoms of arthrosis.



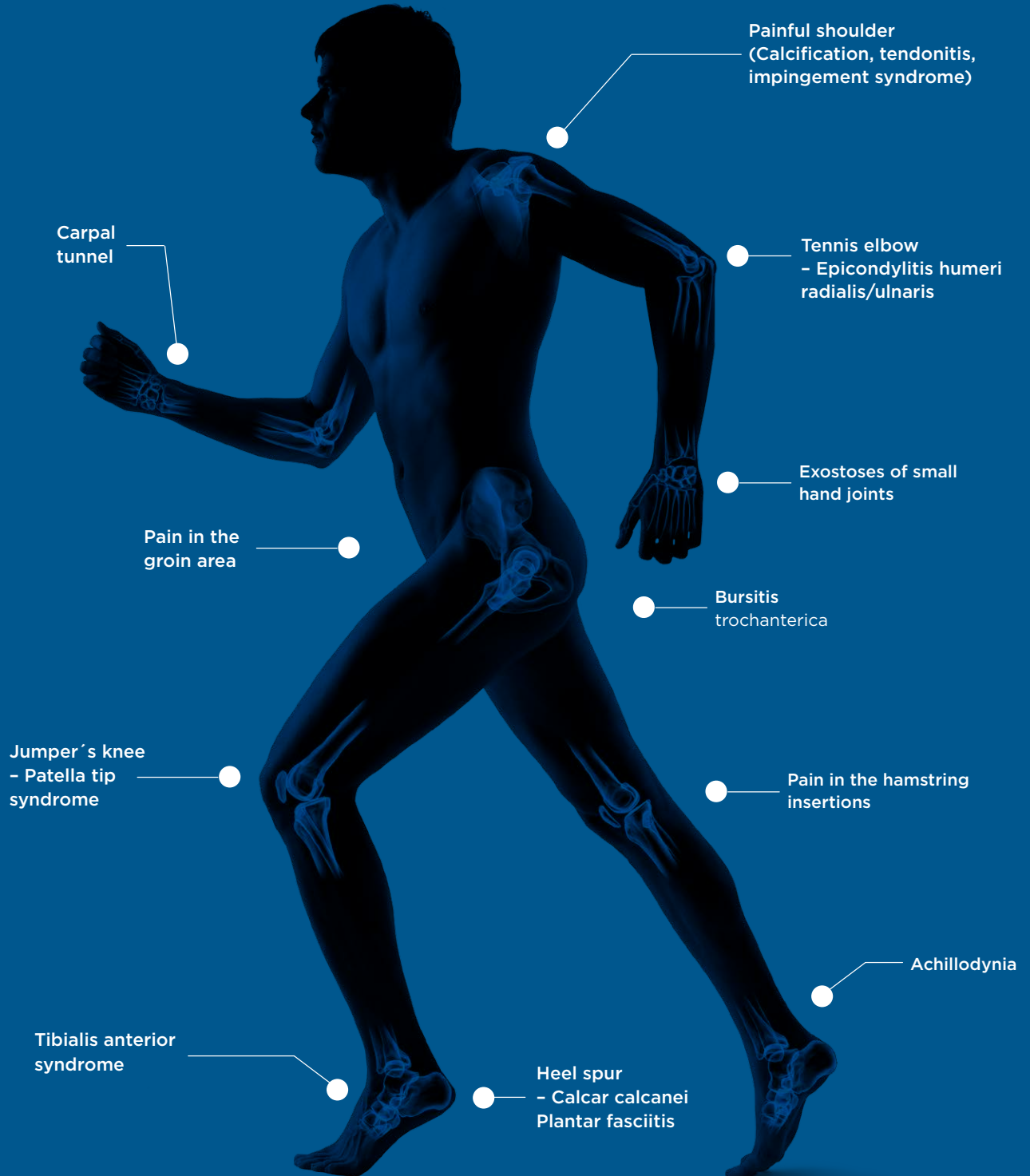
Before shockwave treatment



After 3rd application

MOST COMMON INDICATIONS

- Trigger Points
- Chronic enthesopathies



BTL-6000 SWT TOPLINE POWER

THE STRONGEST PORTABLE SHOCKWAVE

SKU: BTL-SWT-TopPW

- Pressure up to 5 bars
 - Frequency up to 20 Hz
-

FEATURES & BENEFITS

- Touch operation – intuitive operation with colour touch screen (5.7")
 - Compact and portable – only 7 kg including the built-in compressor
 - Easy-to-use by any therapist – therapeutic encyclopaedia with colour anatomical images, user-defined therapies for experienced users
 - Ergonomic applicator
-



BTL-6000 Topline Power
shown w/ optional cart



Touch operation
Intuitive operation
with colour touch
screen (5.7")



**Ergonomic applicator
for comfortable use**
Ergonomy designed by users



Compact and portable
Only 7 kg including
the built-in compressor

BTL-6000 SWT EASY

COMPACT & EASY TO USE DEVICE

SKU: BTL-SWT-Easy

- Pressure up to 4 bars
- Frequency up to 15 Hz

FEATURES & BENEFITS

- User-friendly operation with LED interface, 7 preset protocols, adjustment of the parameters during the course of the therapy
- Compact and portable – only 7 kg including the built-in compressor
- Ergonomic applicator



BTL-6000 Easy
shown w/ optional cart



**Ergonomic applicator
for comfortable use**
Ergonomy designed by users



Compact and portable
Only 7 kg including
the built-in compressor

ERGONOMY

DESIGNED BY USERS

ERGONOMICALLY SHAPED HANDLE

- Ergonomic shape of the handle allows comfortable (“gun-like”) grip of the applicator
- The most comfortably-shaped applicator on the market



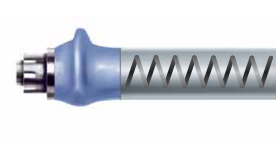
SPECIAL ERGONOMIC GRIP

- Prevents the handpiece from slipping out of the therapist's hand during treatment
- The ergonomic shape allows the therapist to hold the handpiece comfortably in many different positions; the handpiece can be held in either right or left hand and can be effectively used by both men and women
- Provides sufficient support for the therapist's hand to prevent fatigue during extended use



ELIMINATION OF BACKWARD SHOCKS

- Spring-loaded applicator to eliminate the transfer of reverse shocks to the therapist's hand
- Provides appropriate contact of the treated tissue and the applicator during the therapy
- Built-in air dumper



MULTIFOCUSED TRANSMITTERS

- Specially designed transmitters with several focal points
- Allow a more effective energy transmission into the target tissue



SIMPLE OPERATION

JUST 3 STEPS

1. Locate painful spots using palpation
2. Apply gel
3. Deliver shockwaves



Locating painful spots



Applying the gel



Delivering shockwaves

THE EASY-TO-USE BTL THERAPEUTIC ENCYCLOPAEDIA

Following the latest medical research, BTL has developed the shockwave therapeutic encyclopaedia for easy and effective treatment.

PROGRAMME W-0108 RADIAL/ULNAR EPICONDYLITIS

Therapy parameters	type of shocks: continuous pressure: 2 bar frequency: 10 Hz number of shocks: 2000
Patient position	Lying on back or sitting upright with the arm at a right-angled flexion at the elbow; arm should be comfortably supported, preferably with a soft cushioning pad
Frequency of treatments	5-10 days
Number of treatments	3-5 sessions
Process of treatment	Manually localize painful points in the area of radial/ulnar epicondyle and along the corresponding muscle groups of the forearm. > Application of gel. > Start the therapy with 400 shocks at 2 bar and 5 Hz around the most painful point. > Manually localize the most painful point with approximately 1000 shocks > Successively apply to the corresponding muscle groups of the forearm the last 400 pulses applied with a frequency of 10 Hz

Note Painful points are indicated by the dotted areas in the picture.
The arrows indicate the direction of movement of the applicator

MOST COMMON APPLICATIONS

The examples below illustrate therapy application in different locations. The applicator can be held in either right or left hand. There are many ways to hold and grip the BTL handpiece. It is surprisingly easy and comfortable to use.

PAINFUL SHOULDER (CALCIFICATION, TENDONITIS, IMPINGEMENT SYNDROME)

Therapy parameters	pressure: 3–4 bar frequency: 10–15 Hz number of shocks: 2000
Patient position	lying on back or sitting upright
Frequency of treatments	5–10 days
Number of treatments	3–5 sessions



HEEL SPUR, PLANTAR FASCIITIS

Therapy parameters	pressure: 2.5–3.5 bar frequency: 10–15 Hz number of shocks: 2000
Patient position	lying prone supported under the ankle
Frequency of treatments	5–10 days
Number of treatments	3–5 sessions



RADIAL/ULNAR EPICONDYLITIS

Therapy parameters	pressure: 2–2.5 bar frequency: 5–10 Hz number of shocks: 2000
Patient position	lying on back or sitting upright with the arm at a right-angle flexion at the elbow; arm should be comfortably supported, preferably with a soft cushioning pad
Frequency of treatments	5–10 days
Number of treatments	3–5 sessions



ACHILLODYNIA

Therapy parameters	pressure: 2–3 bars frequency: 5–10 Hz
Patient position	lying prone supported under the ankle
Frequency of treatments	5–10 days
Number of treatments	3–5 sessions



TECHNICAL PARAMETERS

MODEL	BTL-6000 TOPLINE POWER	BTL-6000 SWT EASY
User interface	5.7" colour touch screen	LED interface
Max. pressure	up to 5 bars	up to 4 bars
Frequency	1-20 Hz	1-15 Hz
Single mode & Continuous mode	•	•
Intensity gradient mode	•	
Preset programs	27	7
Encyclopaedia	•	
Encyclopaedia with anatomical images	•	
User-defined protocols	100	
Dimensions	320 × 190 × 280 mm	320 × 190 × 280 mm
Weight: main unit (without accessories)	7 kg	7 kg

Standard accessories

Transmitters: 9, 15 mm multi-focused and 15 mm focused, gel 300 ml, touch screen pen pointer

Optional accessories

BTL-SWT-RK	BTL-6000 Shockwave Revision Kit
BTL-SWT-Case	Transportation Case for BTL-6000 SWT
BTL-6000-Cart	Shockwave Cart
BTL-SWT-Poster	BTL-6000 Shockwave Poster
BTL-SWT-Brochure	Brochure
BTL-SWT-XW20	BTL X-Wave transmitter - 20mm

CANADIAN ELECTRICAL SAFETY LABELING OF BTL



Health
Canada Santé
Canada

MDALL LICENCES

BTL-SWT SERIES SHOCKWAVE UNITS	94535
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Capital Equipment Expertise

OrthoCanada can help with comprehensive capital equipment purchase decisions clinic planning and set-ups. Since 1989, our knowledge and assistance have helped thousands of capital equipment decisions, including over 750 Canadian start-ups. We provide peer-to-peer (professional) advice, offer research subsidies and can help create everything from today's state-of-the-art clinics, to facilities with smaller budgets.



Our team of professionals provides comprehensive assistance with everything you need to get started. We provide equipment recommendations, advice on whether to buy or lease, as well as complete details on installation.

Tammy Boucher, BScPT
Vice-President, Capital Equipment Sales
tammy.boucher@orthocanada.com
1-800-561-0310 ext 1700

Biomedical Services

OrthoCanada prides itself on excellent after sales services. Our team ensures that all our customers are well taken care of and that the best possible service is offered at all times.

OrthoCanada's Biomedical Services department is certified to repair, test and calibrate all BTL physiotherapy and electrotherapy devices. OrthoCanada will support your practice to ensure your clinic does not lose a step in the event of technical issues. All repairs are handled with care and in a timely manner to ensure minimal disruption in your clinic.



A graduate in Biomedical and Electrical Engineering from Carleton University in Ottawa, Razi is also a certified technician for BTL electrotherapy and other medical device manufacturers.

"One of my greatest passion is to help healthcare practitioners choose equipment that best meets their needs and is tailored to their professional practice."

Razi Khaddage, B.Eng Biomedical & Electrical Engineering
Biomedical Services Manager
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1-800-561-0310 ext 1704

Quote Form



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Code	Description	Quantity

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