CMF Empi Saunders

Recovery Sciences

Product Portfolio

DJO GLOBAL

At DJO Global, we enable people to regain and maintain the joy and comfort of natural motion.

Together in Motion™

Bone Growth Stimulation

30 Minutes for a Fast Forward Return to Life

- Utilizes both Static and Alternating Magnetic Field
- Continuously operates within the optimum frequencies for bone growth stimulation
- Signal does not diminish as it passes through tissue and muscle
- Increases both specificity and potency of the treatment

CMF SpinaLogic™

Enhanced healing results in fusion occurring faster.
Works with or without fixation, no interference.
Matches the anatomy of the spine.

CMF OL1000™

A full range of sizes to support all patients and fracture sites.
For casted or non-casted applications, no windowing required.
Works with or without fixation with no interference.

Please see back cover for full prescribing information.

Electrotherapy

A Better Prescription for Pain™

Advanced drug-free technology designed to target the most challenging acute, chronic, and arthritic pain while minimizing the dependence on pain medication.[1]

Empi Active™ TENS

Active Relief for Targeted Pain

Immediate, hassle free pain relief through one touch programming.

Comfortable, lasting stimulation: advanced waveform technology modulates between high and low frequencies, creating a comfortable TENS stimulation that allows for long-term wear without nerve accommodation.

Precise electrode placement: comfortable, specialized wrap for the back or the knee with pre-placed electrodes makes placement easy for patients.

Active Knee

Empi Active Controller

Active Back

Empi Select™ TENS

Custom Control for Complex Pain

The ability to monitor the number of sessions, average intensity and session length allows flexibility to make treatment protocol adjustments.

Four customized treatment modes provide long-term pain relief, reducing the chance that patients will accommodate to a specific stimulation program.

Empi IF3® Wave

Powering through Deep Pain

Three modalities (Interferential Current, Neuromuscular Electrical Stimulation and Pulsed Direct Current) allow patients to receive multiple electrotherapy needs in one powerful device.

Device allows you to treat pain, accelerate muscle recovery and reduce edema in the home or clinic.

Electrotherapy

Muscle Re-education

Neuromuscular electrical stimulation (NMES) is an adjunctive rehabilitation treatment used to reeducate weakened muscles.

Empi Continuum™

Muscle Through It with Multi-functional Electrotherapy

Produces an electrical reaction in motor nerves that both activates and reeducates the muscle to improve function.[2]

Pulsed DC program increases local blood flow.

Transcutaneous Electrical Nerve Stimulation (TENS) helps manage chronic and acute pain and pain associated with arthritis.

Thirteen (13) one-touch pre-set programs for ease of use and three (3) custom programs.

Minnova™

Pelvic Floor Stimulation 3,4

A patient operated device designed for the treatment of both stress and urge urinary incontinence with pelvic floor stimulation.

Uses mild electrical stimulation to automate the process of doing pelvic floor muscle exercise.

Helps strengthen the pelvic floor muscles used in maintaining urinary continence.

Empi Phoenix™

Treatment Across the Recovery Cycle

- Muscle Atrophy —Early application of NMES therapy after an injury or surgery helps prevent disuse atrophy and re-educates muscles.
- Pre-Operative Treatment —Preventing or retarding muscle atrophy with NMES therapy before surgery helps prepare patients' muscles for post-op rehabilitation.
- Increasing Circulation —Pulsed direct current programs can increase local blood circulation.
- Pain —Pain can make it difficult for patients to remain active before and after surgery. TENS can help patients manage pain.

1. Fishbain DA, Chapel C, Abbott A. Transcutaneous electrical nerve stimulation (TENS) treatment outcome in long-term uses. *Clin J. Pain*. 1996: 12:201-214.
2. Mintken PE, Carpenter KJ, Eckhoff D, Kohrt WM, Stevens JE. Early neuromuscular electrical stimulation to optimize quadriceps muscle function following total knee arthroplasty: a case report. *J Orthop Sports Phys Ther*. 2007 Jul;37(7):364-71.
3. Fall, M., Erlandson, *Does* Electrostimulation cure urinary incontinence. *The Journal of Urology*. April, 1985;1984 by the Williams & Wilkins Co. Vol. 131 .
4. Fall, M., Erlandson, B.E., Nilson, A.E. and Sundin, T, Longterm intravaginal electrical stimulation in urge and stress incontinence. *Scand. J. Crol. Nephrol*. 1978;suppl. 44, part 4, 1978.

Iontophoresis

Empower Rehabilitation

PATCH SYSTEMS

Active Drug Delivery delivers a chosen ion into the tissues by means of an electrical current, thus reducing the pain, inflammation, and other clinical issues that can impede effective therapy.*

Hybresis™

Power to Deliver™

Accurate doses are delivered in only 2 hours

Flexible options in applications, medications or patch systems reduce the number of sizes and designs required.

Clinicians who use Hybresis on average see results in 20% fewer treatments.*
(Empi 2010 Customer Survey)

Action Patch™

Power of pH Balancing

Proprietary pH Balancing system for worry-free use of any negative medication.

Convenient pull tab starts therapy and turns on the Smart Light™.

Karaya gel return maximizes patient comfort.

*Actual conditions treated are dependent on medication selection.

Iontophoresis

Empower Rehabiliation

TRADITIONAL SYSTEMS

Traditional Iontophoresis Systems provide total control of medication dosage and delivery, with constant current technology that delivers dosage regardless of skin impedance.

Dupel® Dual-Channel Iontophoresis Device

Pause treatment without restarting a session.

2 channels for bi-lateral treatments.

Default setting maintains frequently used treatment parameters.

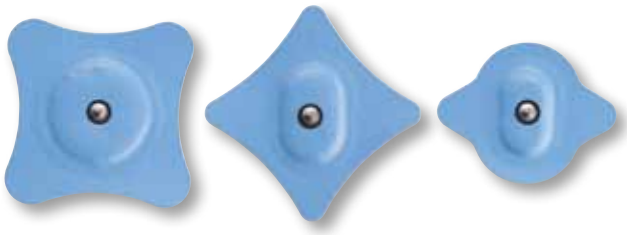
Adjust current from 0.5mA to 4mA.

Dupel Blue

pH Balancing

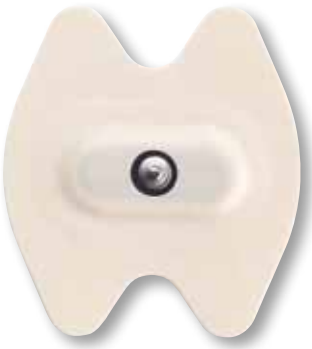
Adjusts medication pH to a safe level without decreasing medication delivery.

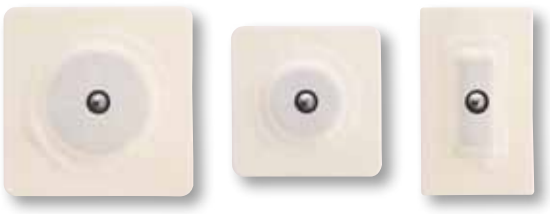
Used with positive or negative medications with any pH.



Dupel White

When premium electrodes aren't an option, Dupel White provides effective drug delivery without sacrificing patient safety.





Spine Bracing

Uncompromising Support

Through increased stability, enhanced motion control and optimal comfort, our complete line of spine braces provides patients with uncompromising support.

TLSO Posture Extension

A therapeutic Postural Extension Orthosis, ergonomically designed to comfortably control and relieve acute pain often associated with osteoporosis, compression fractures, spinal stenosis, strain and excessive kyphosis

SPINE Flex Plus

Providing support for mild lower back pain from L1 – S1. Dynamic panels comfortably contour and conform to patient's body structure. A single-hand adjustment controls support level and comfort for standing and sitting.

LSO Low Profile

Providing support for mild lower back pain from L1 – S1. A single-hand adjustment controls support level and comfort for standing and sitting providing unmatched comfort, control and support.

Tri-Mod Chairback LSO

Providing spinal support from T9-S1, the rigid unibody frame allows for superior posterior and lateral support and is open over the surgical site. The rigid anterior and posterior panels ensure patient comfort and intracavitary pressure.

Cyberspine TLSO

Compressive support from two independent pulley systems with a unique linear adjustment capability providing stabilization and restriction. They brace may be customized per patient without the use of tools or accessory parts.

Vista® TX

The Vista® TX from Aspen improves patient care while saving time, money and storage space. With its innovative height adjustment technology, the Vista® TX is really six collars in one. The correct size is always at hand, reducing storage and inventory costs while improving patient care.

Premium Plus LSO

Providing spinal support from T9-S1, the rigid unibody frame allows for superior posterior support and is open over the surgical site. The rigid anterior and posterior panels ensure patient comfort and intracavitary pressure.

SI Belt

Providing conservative treatment of sacroiliac strain and arthritis. The simple design allows for significant reduction in SI joint pain and is excellent for post partum symphysis pubis dysfunction

Traction

Get to the Root

Saunders® Cervical and Lumbar Traction
Saunders Home Traction provides effective treatment for pain associated with cervical and lumbar radiculopathy, complimenting in-clinic treatments.

Relieves pain associated with radiculopathy by decompressing nerve roots

- Mobilizes and stretches muscles, ligaments and joints
- Decreases muscle spasm
- Improves spinal nutrition by increasing blood flow
- Improve overall spinal function

Compliments In-Clinic Treatments

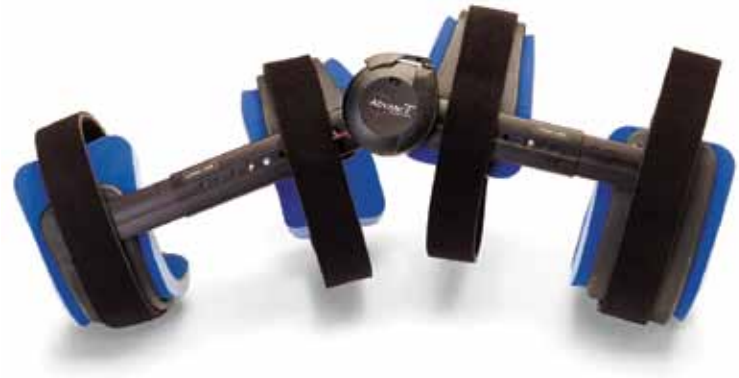
- Maintains clinical gains in between clinic traction treatments
- Patients benefit from daily treatments
- Ongoing management of chronic conditions
- Part of a back wellness home program

Large body of evidence supporting the clinical effectiveness makes traction a confident choice to treat:

- Degenerative Disc Disease
- Herniated Disc
- Sciatica
- Nerve Root Compression

Advanced Dynamic ROM® Splinting

Advance Dynamic Range of Motion (ROM) Orthoses are designed to stress scarred or shortened connective tissue with a low-load, prolonged stretch in a constant state of mild end-range tension to influence tissue remodeling.



Tissue Remodeling

Dynamic splinting may benefit patients with limited range of motion resulting from connective tissue changes secondary to orthopedic or neurological conditions:

- Stroke
- Post-surgery joint stiffness
- Spinal cord injury
- Ligament or tendon repairs
- Cerebral palsy
- Closed-head injury
- Post fractures

Application Versatility

- Constant tension across the patients' entire range of motion
- Adjunctive at home therapy: adjustable struts, cuffs and pads provide a comfortable fit, and enhances patient compliance
- Multiple applications: available in both extension and flexion models for knee, elbow, and wrist as well as an ankle dorsiflexion device, below the knee amputee and forearm supination

Electrotherapy Supplies

We also offer a full line of batteries, lead wires, skin care products and additional accessories to compliment our electrotherapy products.

Premium Electrodes

Carbon Foam Electrodes

Low Back Electrodes

Blue Gel Sensitive Skin Electrodes

Reusable Single Patient Electrodes

Premium electrodes provide the most comfortable stimulation and even current distribution, along with the ability to conform to various treatment sites.

Carbon Foam Electrodes: Flexible foam backing for maximum comfort.

Carbon Cloth Electrode: provide the needed flexibility to conform to body surfaces.

Specialty Electrodes:

Blue Gel Sensitive Skin Pads: Ideal for patients with sensitive skin.

Low Back Electrodes: Unique design for treating the lower back.

Conductive Wraps: Provides perfect electrode placement.

Breathable fabric backing maximizes patient comfort, while anchored pigtail prevents pullout.

Specialty Electrodes

Multi-Day Electrodes are ideal for active patients.

Post-operative Electrode for pain management after surgery.

NeuroAid®

Multi-Day Electrodes

Post-Operative Electrodes

Touchproof Lead Wire (Select, Epx VT)

Touchproof Lead Wire (IF 3Wave, ProMax, SportX)

Black Device Carrier with 2" Wide Belt and Pouch

NiMH Batteries

Coaxial Bifurcated Lead

Skin Care Products

Spinalogic

Indication for Use: SpinaLogic® is a portable, battery powered, microcontrolled, noninvasive bone growth stimulator indicated as an adjunct electrical treatment to primary lumbar spinal fusion surgery for one or two levels.

The use of this device is contraindicated in individuals having synovial pseudoarthrosis.

Warnings: The safety and effectiveness of the use of this device on individuals lacking skeletal maturity has not been established. Animal studies conducted to date do not suggest any long-term significant adverse effects from use of this device. However, long-term effects in humans are unknown. Teratological studies have not been performed with this device. The safety of the use of this device during pregnancy or nursing in humans has not been established.

Contraindications: Demand-type pacemaker and implantable cardiovertor defibrillator (ICD) operation may be adversely affected by exposure to combined static and dynamic magnetic fields. Physicians should not prescribe Bone Growth Stimulator for patients with such devices. The safety and effectiveness of SpinaLogic in pregnant women have not been studied, and the effects of the device on the mother or the developing fetus are unknown, thus, this device should not be used in pregnant women. If a woman becomes pregnant during treatment with SpinaLogic, treatment should be discontinued immediately.

Precautions

The safety and effectiveness of the use of this device on individuals lacking skeletal maturity have not been established.

- The safety and effectiveness of this device in treating patients with the following conditions have not been established and therefore the safety and effectiveness of the device in these individuals are unknown: osseous or ligamentous spinal trauma, spondylitis, Paget's disease, severe osteoporosis, metastatic cancer, renal disease, and uncontrolled diabetes mellitus.
- Animal studies conducted to date do not suggest any long-term adverse effects from use of this device. However, long-term effects in humans are unknown.
- Compliance with the treatment schedule, timely battery change and proper care of the device are essential. The device will not perform properly and treatment may be unnecessarily prolonged if the patient fails to adhere to the care routine.
- This device should not be used if there are mental or physical conditions which preclude patient compliance with the physician and device instructions.
- SpinaLogic was tested for electromagnetic compatibility and was found to comply with the limits for medical devices specified in EN 60601-1-1,2:2002. These limits are designed to provide reasonable protection against harmful interference in a typical medical or household setting. However, if SpinaLogic should appear to affect or be affected by other devices in the vicinity, please try to correct the interference by one or more of the following measures: increase the separation between the SpinaLogic device and other electrical equipment or magnetic (metal) structures or, call the local sales representative or Customer Care for help.
- It is not recommended that SpinaLogic be used while smoking or near excessive heat or an open flame.
- The following factors will be essential in allowing SpinaLogic® to be most effective in achieving a successful spinal fusion: compliance with physician instructions, compliance with daily treatment schedule, proper care of the device.
- Components in this system are to be used only with DJO's components. No attempt should be made to modify or repair this device. If the patient should experience any problems, he or she should contact Customer Care.

Adverse Effects: No known significant adverse effects have resulted from the use of this device. Clinical studies, animal studies, and tissue culture experiments conducted with the SpinaLogic Bone Growth Stimulator magnetic fields have not indicated any evidence of significant adverse effects

Caution: Federal law (U.S.A. and Canada) restricts this device to sale, distribution or use by or on the order of a physician.

OL1000

Indication for Use: The OL1000 BONE GROWTH STIMULATOR is indicated for the noninvasive treatment of an established nonunion acquired secondary to trauma, excluding vertebrae and all flat bones. A nonunion is considered to be established when the fracture site shows no visibly progressive signs of healing.

Contraindications: Demand-type pacemaker or implantable cardiovertor defibrillator (ICD) operation may be adversely affected by exposure to magnetic fields. Physicians should not prescribe Bone Growth Stimulator for applications which may place the treatment transducers in close proximity to the pacemaker or ICD. This would include fractures of the upper extremities (hand, wrist, clavicle, arm). Further screening by the attending cardiologist is recommended (such as with an electrocardiogram). The OL1000 SC1 should not be used in the presence of internal fixation devices (rods, plates, screws, wire) that are constructed from magnetic materials. However, almost all fracture fixation devices used today are made of non-magnetic materials.

Precautions

- Weightbearing is not advised in the presence of extreme motion at the nonunion site.
- In the presence of a malaligned nonunion, careful consideration of the use of this device must be undertaken on an individual basis, as treatment with this device is not intended to alter or affect the degree of malalignment.
- The safety and effectiveness of the use of this device on individuals with nonunion secondary to, or in conjunction with, a pathological condition has not been established.
- This device should not be used if there are mental or physical conditions which preclude patient compliance with the physician and device instructions.
- Compliance with the treatment schedule, timely battery change, and proper care of the device are essential. The device will not perform properly and treatment may be unnecessarily prolonged if the patient fails to adhere to the care routine.
- When conditions of atrophy are present or when fractures have remained unhealed for long periods of time, there may be less successful results.
- It is not recommended that the device be used while smoking or near excessive heat or an open flame.
- Components in this system are to be used only with DJO's parts. No attempt should be made to modify or repair this device by the physician or patient.

Adverse Effects: No known significant adverse effects have resulted from the use of this device. Clinical studies, animal studies, and tissue culture experiments conducted with the OL1000, which has the same treatment signal as the OL1000 SC1, have not indicated any evidence of significant adverse effects.

Caution: Federal law (U.S.A. and Canada) restricts this device to sale, distribution or use by or on the order of a physician

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Together in Motion™