

Post-op Cryotherapy



Facts about IceBand®

IceBand® is a cooling and compression wrap that is specifically developed for the relief of pain and swelling after surgery or injury.

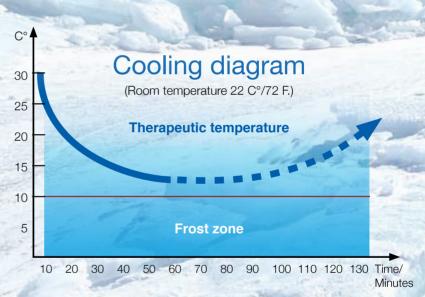
IceBand is safe and user friendly, with a very low risk of side effects and few contraindications. IceBand is ideal for cooling and compression therapy - two key elements of postoperative rehabilitation*. By using the PCETM technology (Phase Changing Element), IceBand obtains an active cooling phase within the therapeutic interval for at least 60 minutes (see graph).

The design of IceBand is based upon scientific criteria to give optimal cooling and compression.

* During the acute inflammatory phase, the first 72 hours, and during the reparative phase, 72 hours to 6 weeks after injury/surgery cooling has a positive effect (6).

5 reasons

- why to use IceBand®
- Safe
- Easy to handle
- Efficient
- Hygienic (single patient use)
- Cost effective



Why Cryotherapy

Cooling raises the pain threshold

- Reduced nociceptive nerve stimulation
- Reduces the speed of the nerve transmission
- Diminishes muscle spasms

General aspects of cooling treatment Cooling reduces swelling and inflammation

- Sympathetic vasoconstriction of the capillaries
- Increased blood viscosity, coagulation and haemostasis.
- Locally reduces cellular metabolism, reduces the inflammatory reaction through a reduction of the release of metabolites.

Advantages of cooling treatment

- Can reduce consumption of pharmaceutical pain killers
- Shorter rehabilitation
- Pain reduction



Features & Benefits

Efficient technology

- Uses PCE™ (Phase Changing Element)
 Technology ice is the most efficient cooling medium and the product uses the superior latent heat of fusion properties of pure water to provide a longer cooling effect (maintains an active cooling phase within the therapeutic interval for around 60 minutes).
- The need for painkillers may be reduced.

Easy to handle

- IceBand is designed to be easy to handle and use in the clinic and can be mounted and adjusted to each patient. IceBand is easy to secure with Velcro bands, which allow control over fit and compression.
- IceBand is safe and easy for the patient to use at home – can be used without assistance. Therefore it is more likely that the patient will comply with the rehabilitation regime and continue to use it.
- 4 elements allow the patient to keep two
 in the freezer whilst two are being used

 allows for continual cooling therapy if
 needed (nb: always rest the joint for 1 hour
 at least between applications).

Safe

 Side effects are minimized. The protective, non-woven fabric of the bandage will eliminate the risk of frostbite whilst allowing maximum cooling effect.

Hygienic and disposable

- Disposal: Consists of water, polyethylene, and polypropylene which makes it disposable more hygienic than reusable products and therefore less of an infection control issue. It can be disposed of at the end of the rehabilitation in household waste. When incinerated, it will turn into CO2 and water.
- Single patient use which means hygienic and also easy to handle (you do not have to administrate the product or rent out).
- Can be used 30 times allows the patient to keep the IceBand for the entire rehabilitation period from hospital to home.

IceBand®

by MD R.Ihrman Patent Pend.

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CAUTION!

All cooling products should be handled with care and only be used in accordance with instructions from a physician.

Should not be used if you suffer from cold allergy, Raynauds phenomenon or cryoglobulinaemia.

If you are uncertain, always ask your physician.

Patent Pend. CE MD Class 1 Non Sterile Manufacturer: IB Medical AB, Sweden