POST-OPERATIVE SOLUTIONS
Post-operative Treatment

**Why?**

**Össur® Rigid Dressing**

Össur Rigid Dressing (ORD) is a vacuum dressing that is used to control edema, prevent knee contracture and to protect the residual limb during the immediate time after a transtibial amputation.

**Iceross Post-Op Liner**

Iceross silicone liners have been used with documented good results since 1997 for early compression treatment of transtibial amputees. Iceross promotes effective and predictable prosthetic rehabilitation. It applied a controlled and proximally decreasing graded compression, regardless of who applies the liner.

**Modular Socket System**

The Modular Socket System (MSS) is a whole new concept in socket manufacturing. Össur’s Icecast Pressure casting system enables prosthetists to manufacture a total surface bearing socket with optimal results in a very short space of time.

**How?**

**Össur® Rigid Dressing**

Fitting instructions

The ORD is fitted and the air is evacuated with the help of a pump. Evacuating the air gives the dressing a good tight fit and guarantees that it remains rigid.

Adjustment

The valve is opened to let in air for reshaping the ORD. When the dressing has been reshaped, the air is pumped out again and the velcro straps are areadjusted to fit.

**Iceross Post-Op Liner**

If there are no special conditions (such as severe dementia or an uncontrolled infection), compression treatment starts directly after the ORD or after the plaster bandage has been removed 5-7 days post operatively. Starting early is important, since the biggest volume changes occur during the first few weeks after surgery. Treatment during these weeks makes rehabilitation significantly more efficient with early mobilization.

Treatment is introduced gradually according to a treatment plan. 2 x 4 h/day is considered full treatment, which continues until prosthesis fitting. The aim of gradually increasing the treatment periods is to give the patient, and the residual limb, time to get used to the new conditions and to function as guidelines for personal care.

**Modular Socket System**

Modular Sockets are created through a unique fabrication process with the Icecast Anatomy Pressure Bladder and the IceLock® 600 series of locking and attachment components. Integrated ContourCell™ shaping chambers are inflated to achieve an anatomically correct socket shape directly on the patient’s residual limb. Icecast Anatomy can also be used for conventional Plaster of Paris casting and for sockets that are laminated or thermoformed over a plaster-cast.
A rigid dressing that controls edema is the best way to quick and safe healing and recovery.

1. This study shows that Removable Rigid Dressings (RRD) reduce the healing time by two weeks compared to traditional dressings. The study also shows that RRDs protect the stump from fall injuries.

2. Rigid dressings and silicone liners give a significantly improved wound healing in patients with open wounds compared to traditional wrapping. The healing time was shortened by 26 days. The study shows significant positive effects with the use of silicone liners.

3. ORD shows at least the same good results as circular plaster for wound healing and time to casting of a prosthetic socket. ORD also has additional benefits such as easy handling, adjustment and a light weight.

4. Removable Rigid Dressings (RRD) shortened hospital stay directly after amputation by 7.2 days. The total rehabilitation time was reduced by 8 days. The time to prosthesis casting was also reduced by 8.8 days.

5. Rigid dressings speed up wound healing significantly after amputation. The study also shows that RRD significantly reduces knee contractures.

Compression treatment starts directly after the ORD or plaster bandage has been removed (5 - 7 days postoperatively).


Disclaimer
This brochure is not intended as a technical manual. The post-operative treatment protocol described here is only a guideline and circumstances may vary for each individual patient - practitioners should always exercise their discretion as licensed and qualified medical professionals. For more information on product technical protocol and patient post-operative treatment protocol, please do not hesitate to contact us.