

MedEfficiency, Inc.

MedEfficiency, Inc. is a medical products company that is focused on the development, manufacturing, and marketing of medical devices for treating chronic wounds and lower extremity fractures.

MedEfficiency specializes in total contact casting (TCC) products for off-loading diabetic foot ulcers. MedEfficiency has developed innovative new products using advanced technology to change the ways these conditions are treated and result in improved clinical outcomes and more cost-effective treatments.

Patient's Guide: Total Contact Casting



TCC-EZ™



**5161 Ward Road, Unit 7
Wheat Ridge, CO 80033**

Phone: 866.357.7755

Fax: 303.321.6081

Email: Help@MedEfficiency.com

www.MedEfficiency.com

MedE-Kast™

and

**MedE-Kast™
Ultra**



Total Contact Cast

What is a Total Contact Cast (TCC)?

A Total Contact Cast (TCC) is a cast used to off-load diabetic foot wounds by minimizing pressure and friction at the wound site. A TCC is in intimate “total contact” with the foot and lower leg to redistribute weight away from the wound. A TCC is also used in the initial treatment of the Charcot foot to control the movement of the foot and support its contours.



Cast Changes

The first cast change will take place 2-3 days after the first cast is applied. Afterwards cast changes will take place from 1 to 2 times per week up to every other week as determined by your doctor. You will need to wear a cast for 1 to 2 additional weeks after your wound has healed to ensure your skin has returned to normal thickness.

Why Use a TCC?

The Total Contact Cast is the gold standard for off-loading diabetic foot wounds. The published medical literature on TCC varies, but generally shows that 89% of patients with diabetic foot ulcers off-loaded in a TCC heal in approximately 43 days (6 weeks). The TCC will enable you to maintain an active lifestyle by allowing you to walk while being treated for your foot wound.



TCC Case Study: A 52 year old male presented with a foot wound on his right forefoot. A MedE-Kast was first applied on 10/31/06. Just 10 days later the wound was 70% healed. On the 11/22/06 cast change the wound was completely healed. The patient was kept in a MedE-Kast for 1 additional week.

Patient Instructions

1. If the cast is loose, rubbing, or causing pain, please call the doctor– it may need to be changed.
2. If you develop fever, chills, nausea, or vomiting, the cast must be removed to check the wound.
3. Keep your cast dry. If the cast gets wet it must be changed. Ask your doctor for recommendations on cast guards to keep it dry.
4. If the cast is removed in the hospital or emergency room, the cast technician must be notified that there is only padding on the front over the shin, on the ankles, and over the foot and toes. These are the only places they can cut with a saw to remove the cast.
5. Please keep the Emergency Removal Instructions with you in case someone other than your doctor must remove the cast.