

SUCCESSFUL IMPLEMENTATION AND TRAINING OF A ROLL ON TOTAL CONTACT CAST SYSTEM

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PURPOSE

The practice of advanced wound care requires meticulous skills and self-efficacy. We demonstrated the proper training of the adult learner and healthcare professional in Total Contact Casting (TCC). We recognize TCC as the gold standard for off-loading diabetic foot ulcers (DFUs) and wanted to start utilizing it in our new wound center, therefore we required proper training for the staff.

METHODOLOGY

As a corporate initiative at our wound center (WC), we engaged in a hands on TCC certification training program including live demonstrations, didactic instructions and exams provided by the company. All staff was required to both apply and remove the Roll on TCC System* to a fellow staff member as per product guidelines for use. After certification of staff, we were immediately able to demonstrate the clinical success of this educational program by comparing 2 cases, one that did not use TCC initially or early on in treatment and one that used the Roll on TCC System on the initial visit.

RESULTS

Using didactic and hands on instruction offered by the manufacturer** with doctors and nurse we were able to observe direct performance of the Roll on TCC System application. The TCC certification training clearly was the key to increasing the staff's competence and confidence allowing the gold-standard to be utilized. In our case studies you can see the benefits to offering TCC earlier and having confident and competent staff applying it.

CONCLUSION

As a WC offering advanced wound care we must offer the "gold standard" in off-loading. Providing a certificate program with hands on training is the best way to incorporate a new product and modality to your WC. Now in our WC we have well trained staff and there is a sense of urgency when starting a patient on the Roll on TCC System rather than hesitation. TCC is now a first line treatment rather than the last resort. This has improved patient outcomes and expedited wound healing.

References: 1. S Shah. Clinical and economic benefits of healing diabetic foot ulcers with a rigid total contact cast. Wounds. 2012; 24(6):157-159.

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*TCC-EZ® Total Contact Cast System, Derma Sciences Inc., Princeton NJ.

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THE TRAINING SESSION



The didactic instruction by the representative on indications, contraindications and application



Return demonstration of 3rd layer of cast



Our DPM's return the demonstration of applying the padding and protective white sock.



Vigorous rubbing of cast for 5 minutes

CASE 1

A 57 year old male with a Wagner 2 diabetic heel ulcer was treated with serial debridement, wedge shoe, and many advanced dressings with slow progress. After 6 months of treatment, our Wound Healing Center offered a class presented by the manufacturer on applying the Roll on TCC System. Once the Roll on TCC System was available and applied, wound closure was achieved in only 4 weeks.



10/23/13 – Wound previous to Roll on TCC System application



5/14/14

CASE 2

A 39 year old male with a Wagner 2 diabetic neuropathic plantar ulcer had been treated for 4 years with advanced wound care including; wedge shoe, cam walker and even had resorted to being wheelchair bound. However, the wound failed to heal. When the patient came to us on 4/17/14, his initial visit, we applied the Roll on TCC System and the wound healed in 5 weeks.



4/17/14



5/29/14