

MAXIOCEL - 100% CHITOSAN WOUND DRESSING ON VENOUS LEG ULCER

Center

- Rajalakshmi Clinic, Bangalore-India: Dr. Vivekananda

Patient details	61 years , Male
Diabetes	No
Nicotine Consumption	No
Localized Infection	Yes
Nutritional Status	Well - nourished
Co-morbidities	Immuno-compromised
Previous Medication	Immunotherapy
Wound History	Patient suffering from Multiple Foot Ulcers for more than 1 year (Chronic) Ulcers were on both foot which measured 60mm X 40mm X 5mm (length X width X depth) Patient was being treated with collagen dressings with high pain score

Initial wound bed evaluation

Infection (Local Factors)	Yes	No	Exudate	Dry	Low	Medium	High	
Exudate	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Levels	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Erythema	<input checked="" type="checkbox"/>	<input type="checkbox"/>						
Malodorous	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exudate	Watery	Cloudy	Thick	Purulent	Red
Pain	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Type	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Oedema	<input checked="" type="checkbox"/>	<input type="checkbox"/>						



Wound before using MaxioCel

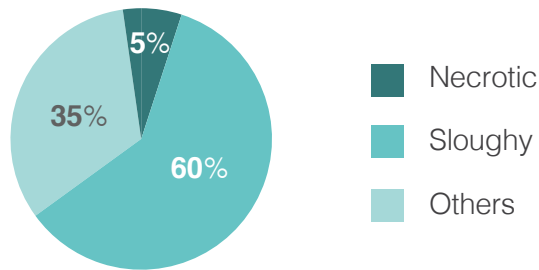


Using MaxioCel on the wounds



Wound improvement after 2 weeks

Tissue type



Wound management goals

Parameters	Yes	No
Debridement		
Infection Prevention		
Exudate Management		
Optimum Moisture Maintenance		
Protect granulation tissue / Epithelializing tissue		

End report

No of MaxioCel dressings done	3
Frequency of MaxioCel dressings	Alternate days
MaxioCel Variant used	10cm X 10cm
Final day wound condition	At the end of 2 weeks, the wound is granulated with closer edges and reduced size

Result

Patient Outcome with MaxioCel	Ease of Application / Removal	Anti-microbial barrier	Wound adherence	Conformability	Wound scar improvement	Pain management
Excellent						
Good						
Fair						
Poor						

Discussion

- Venous leg ulcers (VLUs) are defined as open lesions between the knee and ankle joint that occur in the presence of venous disease. They are the most common cause of leg ulcers, accounting for 60-80% of them. The prevalence of VLUs is between 0.18% and 1%. Over the age of 65, the prevalence increases to 4%. On an average 33-60% of these ulcers persist for more than 6 weeks and are therefore referred to as chronic VLUs. *
- MaxioCel is a non-woven microfibre dressing made up of 100% Chitosan, is highly absorbent antimicrobial dressing with pain reduction and scar improvement properties. It can be used for moderate to heavily exuding wounds of varied depth, shape and size.

In this study, the patient was suffering from multiple VLUs for 1 year and collagen dressings were used for the treatment. On using MaxioCel there was significant scar improvement and exudate management within 2 weeks. It also reduced pain score and the antimicrobial effect stimulated faster wound healing. MaxioCel offers a 360 degree wound management from haemostasis, pain management, exudate management, antimicrobial effect, stimulation of wound healing and scar improvement. It is easy to apply and remove

- Overall, MaxioCel was also found to be an excellent chitosan wound dressing in patients suffering from Venous Leg Ulcers

* Indian Dermatol Online J. 2014 Jul-Sep; 5(3): 366-370.