

MAXIOCEL - 100% CHITOSAN WOUND DRESSING ON ARTERIAL ULCERS

Center

- Safdarjung hospital, Delhi-India: Dr. Deepak

Patient details	37 years , Male
Diabetes	No
Nicotine Consumption	Yes
Localized Infection	Yes
Nutritional Status	Well - nourished
Co-morbidities	None
Previous Medication	None
Wound History	Patient suffering from Leg Ulcers (above ankle) for 5 months Ulcers were on the foot measured 2.5cm X 1.5cm X 0.5cm (length X width X depth) Patient was in extreme pain and did not accept any treatment

Initial wound bed evaluation

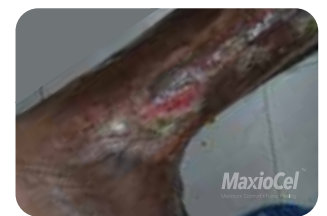
Infection (Local Factors)	Yes	No	Exudate	Dry	Low	Medium	High	
Exudate	■		Levels			■		
Erythema		■						
Malodorous	■		Exudate	Watery	Cloudy	Thick	Purulent	Red
Pain	■		Type			■		■
Oedema	■							



Wound before using MaxioCel

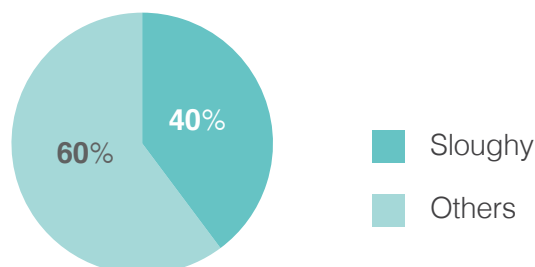


Using MaxioCel on the wounds



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	4
Frequency of MaxioCel dressings	Twice a week
MaxioCel Variant used	2.5cm X 30cm
Final day wound condition	At the end of 2 weeks, there was epithelization and scar improvement

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

- Arterial ulcers (AUs) 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 AUs 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 AUs.*
- 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.
- 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.