

# MAXIOCEL-100% CHITOSAN WOUND DRESSING ON C-SECTION INFECTED SUTURE LINE

**Center**

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<b>Patient details</b>	<b>28 years , Female</b>
Diabetes	No
Nicotine consumption	No
<b>Wound Perpetuation</b>	<b>1 Week</b>
<b>Nutritional status</b>	<b>Well Nourished</b>
Co-morbidities	No
Previous treatments	No
<b>Wound history</b>	One week old infected C-Section in a moderately obese woman. No previous treatment was done other than dressing with Povidone Iodine and Gauze.

**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 checked="" type="checkbox"/>	<input type="checkbox"/>
Erythema	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exudate	Watery	Cloudy	Thick	Purulent
Malodorous	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Type	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Red
Pain	<input checked="" type="checkbox"/>	<input type="checkbox"/>					
Oedema	<input type="checkbox"/>	<input checked="" type="checkbox"/>					

**Day-1**



**Day-3**



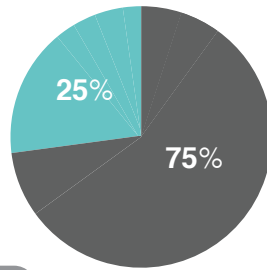
**Day-5**



**Day-7**



## Tissue type



- Necrotic
- Sloughy
- Granulating
- Epithelialising

## 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	MX1010
Final day wound condition	Quick healing was seen as the gaping site was restored as desloughing and granulation had taken place.Wound was not bleeding anymore on cleaning.Pain score was reduced as well

## 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

- Alow-transverse incision is used in 95 percent of C-sections today. That's because it's done across the lowest part of the uterus, which is thinner-resulting in less bleeding. The incision on the uterus is mostly closed with dissolvable stitches.
- Women whose C-section incisions are closed with stitches may be significantly less likely to develop wound complications than those whose incisions are closed with staples.
- The signs of infection in a C-Section are these-redness,swelling,fever higher than 100.4 F,oozing or drainage from the incision site,foul smell from the area,he wound becomes hard with increasing pain around the wound and in the worst case if the incision splits open.
- Factors to prevent infection after surgery include-keeping the wound clean,covering the wound with a suitable dressing for as long as the doctor advises and adhering to any prescribed courses of medication.
- In the said case,C-Section wound treatment was done using MaxioCel for a period of 7 days, 3 dressings were done on alternative days.The suture line was beginning to gap and was mildly bleeding during the initial dressing.
- Within 3 sets of dressings done over a period of 7 days by cleaning with Normal Saline and dressing with MaxioCel,significant wound healing and quick recovery was seen. Patient comfort was evident as there was a reduction in pain too.
- Overall, MaxioCel was found to be an excellent wound dressing in patients suffering from infected suture lines.