

AXIOSTAT – 100% CHITOSAN HAEMOSTATIC DRESSING ON BLEEDING DUE TO DEEP LACERATION WOUND

Center

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Patient details	73 years , Male
Patient history	Patient encountered side impact vehicular collision. Deep cuts on the left lateral and posterior head. There was profuse bleeding making it difficult for the doctors to proceed with any secondary procedures owing to the severity of the situation. 3 Axiostats were packed into the wounds to control bleeding and haemostasis was achieved
Axiostat variant used	M85
No of Axiostats used	3
Average time taken to achieve haemostasis	1 min



Bleeding from the deep cuts on the left head



Application of axiostat to control bleeding

Result

Patient outcome with Axiostat	Ease of application	Ease of removal	Adherence to wound	Conformability of dressing
Excellent				
Good				
Fair				
Poor				

Discussion

- Trauma in India is a significant issue, with alarming rates of road accidents contributing to at least 13 deaths an hour. Fatalities due to road accidents are expected to increase by 150% by 2020. A major cause of death in trauma injuries is uncontrolled haemorrhage. Using the haemostatic dressing as the first line of treatment.
- Axiostat offers good haemostasis in pre hospital scenario. This study shows Axiostat enables early haemostasis which prevents much blood loss and the wound becomes very clean on removal of dressing for later wound suturing when compared to cotton gauze
- In this study, the haemostasis time with Axiostat was 1 min. The hemostasis time was significantly shorter than the conventional method of applying manual compression with cotton gauze ,which usually requires around 20 min to achieve haemostasis.
- Further there was no incidence of Axiostat related bleeding complications post 5 days after the secondary procedure.
- Overall, Axiostat was also found to be an excellent hemostatic dressing in patients undergoing any intraoperative procedures