

AXIOSTAT – 100% CHITOSAN HAEMOSTATIC DRESSING ON PERMANENT PACEMAKER IMPLANTATION PROCEDURE

Center

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Patient details	44 years , female
Patient history	Diabetes & hypertension
Procedure	Permanent pacemaker implantation procedure
Axiostat variant	V55
Average time taken to achieve haemostasis	3 mins
Case description	During the procedure, when the pocket was created to implant the pacemaker, there was profuse bleeding. Axiostat V55 variant was then used to control the situation



Using Axiostat in pacemaker pocket incision



Removal of Axiostat by irrigating with saline



Closing up the pacemaker pocket without any bleeding

Result

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

Discussion

- The time taken to achieve haemostasis was 3 mins
- The hemostasis was significantly shorter than the conventional method of applying manual compression with cotton gauze, which usually requires around 20 mins to achieve haemostasis.
- No re-bleeding from puncture sites was observed , the site was clear and procedure was conducted without any disturbance. Similarly, the puncture site showed no re bleeding, skin irritation, swelling, vascular complication, allergy after the removal of Axiostat.
- Further there was no incidence of device related bleeding complications during 5 days after the surgery.
- Overall, Axiostat was also found to be an excellent haemostatic dressing in patients undergoing permanent pacemaker implantation procedures.