

## **Sutureless Mastectomy Using Monopolar Electrocautery Only - A Report of 100 Consequent Cases**

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### **Abstract**

**Background:** Electrocautery has been used worldwide for performing MRM as it is associated with less blood loss, rapid operative time and cost-effectiveness with conflicting results about increased seroma formation. Its use is combined with ligation of the medium sized blood vessels from internal mammary artery and axillary vein.

**Methods:** 100 mastectomies was performed from June 2015 to April 2019 using monopolar electrocautery only for skin flaps elevation, axillary dissection and control of all included blood vessels as well as hemostasis

**Results:** The mean operative time was 45 minutes and the mean discharge date was one day while 83 patients had no complications, 14 patients had minor complications (seroma, slipped drain and wound dehiscence) and three patients had major complications; pulmonary embolism, reactionary bleeding as well as secondary bleeding.

**Conclusions:** Sutureless mastectomy using monopolar electrocautery only is a safe, cost-effective and rapid technique which can be adopted for routine used in breast cancer operations.

**Key words:** breast neoplasms, axillary dissection, modified radical mastectomy