



IS IT TIME TO SAY GOODBYE TO DRAINAGE AFTER AXILLARY LYMPH NODE DISSECTION IN BREAST CANCER? A RANDOMIZED CLINICAL TRIAL OF SYSTEMIC TRANEXAMIC ACID COMBINED WITH TOPICAL EPINEPHRINE+XYLOCAINE VERSUS CONVENTIONAL DRAINAGE

Sanjay Kumar Yadav

MCh, FACS

Co-authors: Dhananjaya Sharma; Pawan Agarwal; M Imran; Arpan Mishra; Yogesh Tiwari



50th World Congress of the International Society of Surgery ISS/SIC

**International Surgical Week**

The World's Congress of Surgery

isw2024.org

**Kuala Lumpur, Malaysia**

25-29 August 2024

Jointly organized with the 51st Annual Scientific Congress of the College of Surgeons Academy of Medicine of Malaysia (CSAMM)



# Is it time to say goodbye to drainage after axillary lymph node dissection in breast cancer? A randomized clinical trial of systemic Tranexamic Acid combined with topical Epinephrine+Xylocaine versus conventional drainage

Drainage after ALND is a major cause of morbidity, source of discomfort to patients and increases the hospital stay.

In this randomized controlled trial we have compared impact of systemic Tranexamic Acid combined with topical Epinephrine+Xylocaine versus conventional drainage on seroma formation after axillary lymph node dissection.



## SINGLE CENTER RCT



No drainage group  
(n=21)



Topical epinephrine with xylocaine + Systemic Tranexamic Acid



Conventional drainage group  
(n=21)



No intervention

No of patients with seroma-  
28% vs 4.8%

No of patients requiring seroma aspiration -14.4% vs 4.8%

Use of systemic Tranexamic Acid combined with topical Epinephrine+Xylocaine makes drainless axillary lymph node dissection feasible



50th World Congress of the International Society of Surgery ISS/SIC

**International Surgical Week**

The World's Congress of Surgery

isw2024.org

Kuala Lumpur, Malaysia  
25-29 August 2024



Jointly organized with the 51st Annual Scientific Congress of the College of Surgeons  
Academy of Medicine of Malaysia (CSAMM)

## Disclosure

Commercial names of medical devices/software/equipment may appear in this content because they are linked to specific medical procedures, which are the focus of this training material. Other products in the market can be used to perform the aforementioned medical procedures. The educational provider does not endorse any particular product.



50th World Congress of the International Society of Surgery ISS/SIC

**International Surgical Week**

The World's Congress of **Surgery**

isw2024.org

**Kuala Lumpur, Malaysia**

25-29 August 2024



Jointly organized with the 51st Annual Scientific Congress of the College of Surgeons  
Academy of Medicine of Malaysia (CSAMM)