BioSpectrum
the business of Bi
24 years of leveraging the business of Bio
www.biospectrumindia.co

Esthetic Clinics unlocks new era for TXA in cosmetic surgery

20 June 2025 | News

A new meta-analysis highlights TXAâ??s efficacy in reducing blood loss, surgical time



The Esthetic Clinics, one of India's leading multi-speciality centres for cosmetic and reconstructive surgery, dermatology, and aesthetic medicine, has spearheaded a landmark systematic review and meta-analysis published in the Journal of Plastic, Reconstructive & Aesthetic Surgery (Impact Factor: 2.5), the official journal of the British Association of Plastic, Reconstructive and Aesthetic Surgeons (BAPRAS).

The study spotlights Tranexamic Acid (TXA) as a game-changing adjunct in facial aesthetic surgery, consolidating data from 22 high-quality studies with data from over 9,000 patients across a 20-year span, making it the most comprehensive review of TXA's role in aesthetic surgery to date.

Originally used in trauma care and orthopaedic surgeries — and more widely known for treating heavy menstrual bleeding — TXA has now shown significant promise in enhancing outcomes in facial cosmetic procedures such as rhinoplasty, rhytidectomy (facelift), and blepharoplasty (eyelid surgery).

The study revealed that TXA administration — whether intravenous, topical, oral, or through local infiltration — consistently resulted in reduced intraoperative blood loss; shorter surgical duration; lower postoperative swelling (oedema); decreased bruising (ecchymosis); and reduced drain output.

The study further highlights the synergistic benefits of combining TXA with local anaesthetic agents such as lidocaine and epinephrine. This combination was found to not only enhance hemostasis and reduce operative time but also prolong the duration of local anaesthesia.

While results were promising across all included studies, the authors have called for standardised dosing regimens and outcome grading systems to support consistent and safe implementation globally.