



2025

# Taipei International Breast Cancer Symposium

台北國際乳癌研討會

Topic:

**Suture Scaffold Technique in Breast-Conserving Surgery: Safety, Cosmetic Outcomes, and Lessons from Over 2,000 Cases**

Abstract

The Suture Scaffold Technique (SST) is a simple oncoplastic approach developed to maintain breast shape during breast-conserving surgery (BCS). By creating a supporting scaffold over the resection cavity, SST provides a reliable method to preserve cosmetic outcomes while minimizing technical complexity. Since its introduction, SST has been applied in over 2,000 cases at our institution, demonstrating reproducible cosmetic benefits compared with conventional techniques.

Overview:

This session will introduce the principles and practical aspects of SST, including its surgical concept, technical steps, and indications in daily practice. Clinical outcomes will be reviewed, focusing on cosmetic preservation, healing course, and complication profile. Comparative analyses with other oncoplastic techniques, such as the breast glandular flap technique (BGFT), will also be discussed.

Findings:

Evidence from our experience shows that SST achieves favorable aesthetic results without increasing complication risks. Postoperative imaging and elastography demonstrated the healing process after SST and confirmed its safety, with complication rates remaining low.

Conclusions:

SST is a safe, simple, and versatile oncoplastic method for BCS. With its ease of application and consistent outcomes, SST may serve as a valuable alternative to more complex reconstructive procedures, broadening the oncoplastic options available to breast surgeons worldwide.