

## **Trial of Resorbable versus Non-Resorbable Sutures for Traumatic Lacerations of the Face: A Demonstration of Maxillo-Facial Trainee Led Research**

**Authors :** R. Botrugno, S Basyuni, G. Nugent, I. Jenkyn, A. Ferro, H. Bennett, C. Hjalmarsson, J. Chu, V. Santhanam

**Abstract :** This trainee led randomised controlled trial (RCT) aims to assess various outcomes for resorbable versus non-resorbable sutures for traumatic lacerations to the face. Within this trial of resorbable versus non-resorbable sutures for traumatic lacerations of the face (TORNFace), patient recruitment was facilitated by trainees who were employed at an NHS University Teaching Hospital in the United Kingdom. The trainees received appropriate training prior to recruiting patients for the trial. This included the completion of a national research e-learning module and face-to-face training that was provided locally. The locally delivered training provided an understanding of the eligibility criteria for the trial and the consent process. Existing trainee skills were utilised involving clinical photography to record baseline data and delivering the intervention based on the treatment arm selected. Eligible patients who required primary closure of traumatic lacerations of the face were randomised into one of two treatment arms. These comprised of resorbable (vicryl rapide) or non-resorbable sutures (ethilon). Primarily the cosmetic outcome was assessed. Secondary outcomes included: complications rates, health care economics, and patient-reported outcomes. Remote follow-up of recruited patients utilised photographs of the facial laceration which had received the intervention. These took place at 1 week, 3 months and 6 months post-intervention. This study aims to demonstrate an example of trainee-led research within the specialty of oral and maxillofacial surgery. The available data for the randomised controlled trial will also be presented.

**Keywords :** laceration, suture, trauma, trial

**Conference Title :** ICDOMS 2022 : International Conference on Dentistry, Oral and Maxillofacial Surgery

**Conference Location :** Amsterdam, Netherlands

**Conference Dates :** December 02-03, 2022