

## A 3.5-year study of incisional hernia repair via ARTISS at a single UK Centre

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### Introduction

- Seroma is a common postoperative complication following open ventral hernia repair and is associated with repeated seroma aspiration.
- ARTISS is a thrombin fibrin sealant designed to decrease seroma incidence by enhancing skin flap adherence.
- ARTISS significantly decreased the incidence of seroma formation and wound morbidity in open ventral hernia repair (1).

### Aim

- To determine retrospectively whether ARTISS fibrin sealant decreased the incidence of postoperative complications and seroma formation in incisional hernia repair.

### Methods

- Electronic patient records review for all patients who underwent ARTISS incisional hernia repair due to previous midline laparotomies between 01/01/24 – 31/07/24.
- All patients had a Reeves-Stoppa incisional hernia repair with composite mesh, sutured in place with 2/0 prolene.

### Results

- 38 patients were analysed in the study.
- Means age was 53 years (range 37-69), and 23 patients were male.
- All patients were non-smokers, and mean BMI was 27 (range BMI <35).
- No postoperative complications.
- No ARTISS adverse effects.
- Patient's average length of hospital stay was 4 days (range 3-6).
- All patients had a routine outpatient follow-up at 8-10 weeks post-surgery.
- There was no re-operation within 30 days or additional outpatient department visits.

### Conclusions

- This study enabled assessment of collecting necessary data and provided insight into incisional hernia repair outcomes via ARTISS within a 3.5-year period at a single large centre.
- ARTISS fibrin sealant is an effective strategy to manage post-laparotomy incisional hernia repairs due to its low rates of post-operative complications and hernia recurrence.

### Reference

1. Prevention of subcutaneous seroma formation in open ventral hernia repair using a new low-thrombin fibrin sealant, 2014