

LONG-TERM OUTCOME OF ABSORBABLE SYNTHETIC MESH IN CLEAN VENTRAL HERNIA REPAIRS

Yu, et al.

LITERATURE SUMMARY

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Study Overview



Retrospective study¹
Open complex ventral hernia repair
CDC Class I wounds



49 patients¹
All with GORE® BIO-A® Tissue Reinforcement
in retrorectus position
Mean hernia defect size: 163 +/- 134 cm²



Mean follow-up time of 62.4 months (5.2 years)
and up to 105 months (8.8 years)¹
Kaplan-Meier (KM) survival analysis goes to six years



Total midline hernia recurrence: **14% (7/49)¹**
The mean recurrence time is 37.4 months (three years)
KM hernia recurrence rate:

Complication Rates	
Discharge to 30 days	12.2%
31 days to 12 months	2%
12-24 months	0%

12 months (1 year)	2%
24 months (2 years)	4.6%
36 months (3 years)	7.1%
48 months (4 years)	12%
60 months (5 years)	15%
72 months (6 years)	18%

Conclusion: “The use of absorbable synthetic mesh in clean wound ventral hernia repair resulted in favorable long-term recurrence rates. The recurrence rate of absorbable synthetic mesh is similar to that of permanent synthetic mesh, which gives a viable option for patients in whom permanent synthetic mesh is not an option.”¹


References

1. Yu JF, Goldblatt HE, Alter-Troilo K, Hetzel E, Goldblatt MI. Long-term outcome of absorbable synthetic mesh in clean ventral hernia repairs. *Surgical Endoscopy* 2022;36(7):5144-5148.

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