

Clinical Outcomes Of Right Thoracotomy Mini Incision Aorto Bifemoral Bypass In Peripheral Vascular Disease

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BACKGROUND

Peripheral vascular disease remains a major cause of morbidity requiring surgical intervention. Mini-incision aorto-bifemoral bypass via right thoracotomy may reduce surgical trauma while maintaining graft patency and survival.

METHODS

Retrospective observational study including 28 consecutive male patients undergoing mini aorto-bifemoral bypass between January 2023 and June 2025.

KEY OUTCOMES

Clinical Parameter	Value
Mean age	56.68 ± 11.16 years
Mean BMI	22.27 ± 2.58
Mean operative time	203.96 ± 69.79 min
ICU stay	5.18 ± 2.36 days
Hospital stay	15.68 ± 5.61 days
30-day mortality	7.14%
Follow-up mortality	10.71%
Triphasic graft flow at discharge	65.5%

CONCLUSION

Mini-incision aorto-bifemoral bypass demonstrated acceptable short-term graft patency and survival in patients with peripheral vascular disease. Diabetes mellitus was the strongest independent predictor of adverse outcomes.