

Comparative Cost-Effectiveness Analysis of Securacath vs. Stat-Lock in a Pediatric Oncology Case Series

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INTRODUCTION

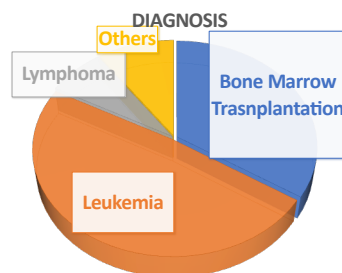
Securacath is an innovative fixation device. However, it is more expensive than Stat-Lock. This is a cost-effectiveness study, comparing these devices

METHODS

- oncology pediatric hospital that used CICC lines for chemotherapy
- Implementation Securacath (limited purchase)
- analyzed epidemiological data based on the Securacath catheter dwell time
 - we estimated the cost of using Stat-Lock
 - Stat-Lock: US\$7/week
 - Securacath US\$59 (one use)

RESULTS

- 41 patients
- CICC catheter implanted using Securacath
 - Brachiocephalic vein (USG guided)
 - Tunneled catheter
- December 2024 to December 2025.
- Age: 1 to 16 years (mean of 4.8 years)
- Weight averaged 20.9 kg
- Catheter duration: 104 days or 14 weeks (average)
- Total catheter-week: 611 weeks



Final catheter observation	n
In place	10
Elective removal	8
Removal for infection	14
Removal for granuloma	1
Accidental traction	4
Device extrusion	2
Death	2

Estimated costs		Calculation	Total
Securacath	41 patients	41* US\$59	US\$2419
Stat-lock	611 weeks	611* US\$7.3	US\$4460

CONCLUSION

The use of the anchoring device, despite its higher unit cost, has a lower estimated total cost than the Stat-lock.