Comparison of Surgical Approaches for ASD closure: Median Sternotomy vs Right Thoracotomy

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Background
- Median sternotomy is the standard approach for ASD closure in children.
- Right thoracotomy approach has been chosen mostly for cosmetic reason.

Object
- To compare the early outcomes of ASD closure in children based on surgical approach: Median sternotomy vs Right thoracotomy.

Methods
- Hypothesis: Median sternotomy (Group A) vs Right thoracotomy (Group B)
- Group A: Hospitalization time, length of ICU stay, complications, and cost.
- Group B: Hospitalization time, length of ICU stay, complications, and cost.

Results
- Median sternotomy (Group A): 14.6 ± 7.6 (n=15)
- Right thoracotomy (Group B): 21.3 ± 12.2 (n=15)

- No significant difference in hospitalization time and complications between the two groups.

Conclusion
- Median sternotomy is a safe and effective approach for ASD closure in children.

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