This poster was presented at the AVA Annual Scientific Meeting.

TUNNELING AS AN ADVANCED TECHNIQUE FOR PERIPHERALLY INSERTED CENTRAL CATHETER IN ADULTS: CLINICAL OUTCOMES OF A FIVE-YEAR COHORTTOPIC

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Purpose/Design

Advanced tunneling can validate the indication of thicker peripherally inserted catheters (PICC) with multiple lumens to a larger number of patients.

To describe the results of the tunneling technique of PICC in adult patients.

Methods

- A longitudinal study.
- Carried in a in a public hospital in southern Brazil.
  - From January 2019 to April 2024
  - Adult patients who underwent PICC line insertion by the tunneling technique were included



- Variables related to insertion, procedure, and device outcomes were collected.
- Data were analyzed using descriptive statistics. Approved by the Ethics Committee.

Limitations

- Noncomparative study.

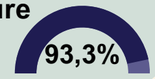
Results

A total of 460 catheters were evaluated

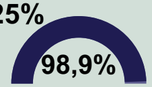
Predominantly indicated for:

- antibiotic therapy: 62.8%
- chemotherapy: 26.5%

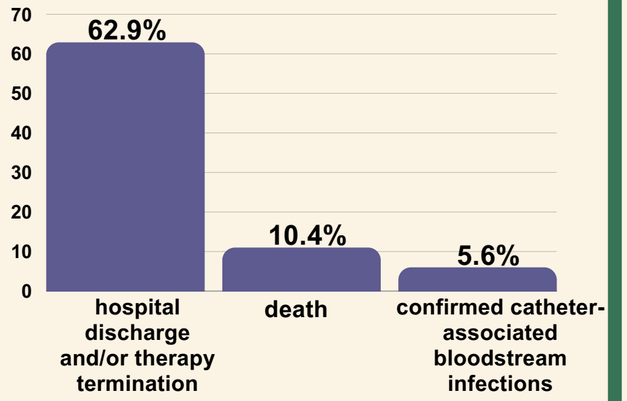
Successful first attempt puncture in 429.



Catheter occupancy rate in the vessel ≤25% in 455.



Main reasons for device removal in %:



Conclusion

Results indicate the benefits of implementing the assessed technique due:

- To the success of its first puncture attempt rates
- Reduced vessel occupancy rates;
- Adequate clinical results, especially with reduced thrombosis rates.