

# Clinical Audit of Midline Catheters: Safety and Adherence in a Swiss Hospital

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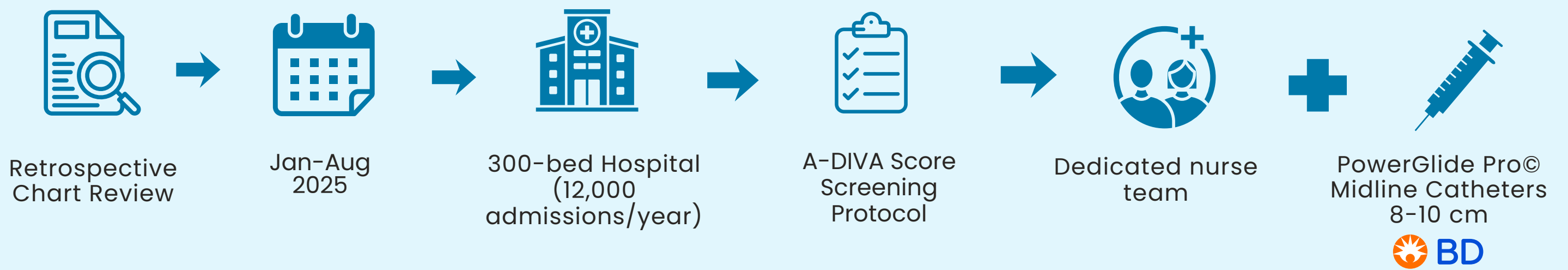
## BACKGROUND

- Midline catheters are increasingly used for prolonged IV therapy.<sup>1</sup>
- Easier use and less complications compared to PICC lines.<sup>2</sup>
- Limited data currently available from Swiss hospitals.

## OBJECTIVES

- To evaluate clinical indications for midlines catheter use.
- To assess adherence to the A-DIVA screening score protocol.
- To assess complication rates.

## METHODS



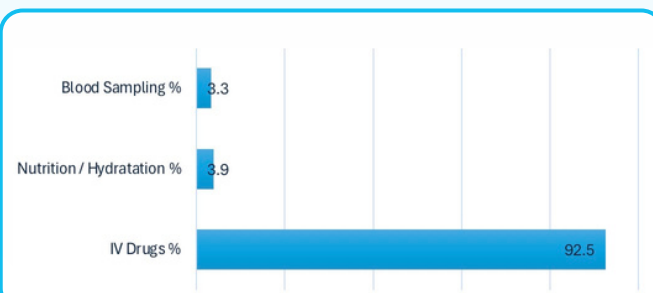
## RESULTS

**305 ADULT PATIENTS**  
45,6% FEMALE

**MEAN AGE 72.4 YEARS**

**68.9% MEDICAL**  
**31.1% SURGICAL**

**MEAN MIDLINE DURATION 9.8 DAYS**  
(Maximum 29 days)



**A-DIVA SCORE CALCULATED: 31.5% OF PATIENTS**

## COMPLICATIONS

- Catheter-related bloodstream infection: 1.43 per 1,000 catheter-day 4 cases (1.3%)**
- Extravasation: 8 cases (2.6%)**
- Accidental dislodgement: 12 cases (3.6%)**

## CONCLUSION

- Wide use of Midline catheters is facilitated by a dedicated nursing team.
- A-DIVA screening adherence is low (31.5%) therefore documentation should be improved to enable efficient tracking.
- Low rate of complications during the 8 months study period.
- Systematic monitoring of complications plays a crucial role in maintaining patient safety and quality of care.