

Women experienced higher rates of midline catheter failure than men. The proportion of patients with midline catheters receiving continuous infusions who experienced a failure was markedly higher than those receiving bolus doses” Dickson et al (2019).

Abstract:

A cluster of 11 midline catheter failures occurred during a 2-week period in a Hospital in the Home program in an urban tertiary hospital in Australia. These failures prompted a 4-month retrospective audit of patients receiving outpatient antimicrobial therapy between December 1, 2016 and March 1, 2017. Primary outcomes were dwell time and catheter failure. Peripherally inserted central catheters had significantly fewer failures and significantly longer dwell times compared with midline catheters. Women experienced higher rates of midline catheter failure than men. The proportion of patients with midline catheters receiving continuous infusions who experienced a failure was markedly higher than those receiving bolus doses. Suggestions for further related research are discussed.

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Reference:

Dickson, H.G., Flynn, O., West, D., Alexandrou, E., Mifflin, N. and Malone, M. (2019) A Cluster of Failures of Midline Catheters in a Hospital in the Home Program: A Retrospective Analysis. *Journal of Infusion Nursing*. 42(4), p.203-208. doi: 10.1097/NAN.0000000000000330.