Title: Needleless Access Devices on Central Lines: Guidelines and Risk of Infection

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Research question:
1. What is the evidence for risk of bacterial infection with the use of needleless access devices on central lines after drawing blood in paediatric patients?
2. What are the guidelines for flushing needleless access devices on central lines after drawing blood in paediatric patients?

Methods:
A limited literature search was conducted on key health technology assessment resources, including PubMed, the Cochrane Library (Issue 4, 2007), University of York Centre for Reviews and Dissemination (CRD) databases, ECRI, EuroScan, international HTA agencies, and a focused Internet search. Results include articles published between 2002 and the present, and are limited to English language publications only. No filters were applied to limit the retrieval by study type. Internet links are provided, where available.

Results:
No literature was identified on the use of needleless access devices in the paediatric patient population specifically. References on needless access devices in adults can be found in the Appendix.

Health technology assessments
No literature identified

Systematic reviews and meta-analyses
No literature identified
Randomized controlled trials

No literature identified

Guidelines and recommendations

No literature identified

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Appendix – Further information:

Systematic reviews and meta-analyses


Randomized controlled trials


Observational studies


Guidelines and recommendations


Review articles


Note: see Hubs and needleless connectors.
Additional references


