

CADTH RAPID RESPONSE REPORT: REFERENCE LIST

Precautionary Preparation of a Backup Intravenous Line for Patients Receiving Blood Products: Guidelines

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Research Question

What are the evidence-based guidelines regarding the preparation of a backup intravenous line to use in cases of adverse transfusion reactions for patients receiving blood products?

Key Findings

No relevant evidence-based guidelines were identified regarding the preparation of a backup intravenous line to use in cases of adverse transfusion reactions for patients receiving blood products.

Methods

A limited literature search was conducted by an information specialist on key resources including PubMed, CINAHL, the Cochrane Library, University of York Centre for Reviews and Dissemination (CRD) databases, Canadian and major international health technology agencies, as well as a focused Internet search. The search strategy was comprised of both controlled vocabulary, such as the National Library of Medicine’s MeSH (Medical Subject Headings), and keywords. The main search concepts were backup intravenous kits/lines and blood products delivery. No filters were applied to limit the retrieval by study type. Where possible, retrieval was limited to the human population. The search was also limited to English language documents published between January 1, 2009 and June 6, 2019. Internet links were provided, where available.

Selection Criteria

One reviewer screened citations and selected studies based on the inclusion criteria presented in Table 1.

Table 1: Selection Criteria

Population	Patients in any clinical setting who are receiving blood products
Intervention	Preparing a backup intravenous line prior to blood product administration to use in cases of adverse transfusion reactions
Comparator	No comparator
Outcomes	Guidelines
Study Designs	Evidence-based guidelines

Results

No relevant evidence-based guidelines were identified regarding the preparation of a backup intravenous line to use in cases of adverse transfusion reactions for patients receiving blood products.

References of potential interest are provided in the appendix.

Guidelines and Recommendations

No literature identified.

Appendix — Further Information

Clinical Practice Guidelines – Methodology Not Specified

1. BC Children's Hospital and BC Women's Hospital and Health Centre. Administration of blood products: transfusion practice standards. Vancouver (BC): Provincial Health Services Authority. 2017 Apr: <http://policyandorders.cw.bc.ca/resource-gallery/Documents/Transfusion%20Medicine/Transfusion%20Practice%20Standards%20Final-Apr-18-%202017.pdf> Accessed 2019 Jun 11.
See sections: 5.1 Dedicated Line and 8.0 Rescue Line