Extravasation Secondary to Contrast Media Administration: Clinical Effectiveness and Guidelines
**Summary of Abstracts**

**Extravasation Secondary to Contrast Media Administration**

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**About CADTH:** CADTH is an independent, not-for-profit organization responsible for providing Canada’s health care decision-makers with objective evidence to help make informed decisions about the optimal use of drugs, medical devices, diagnostics, and procedures in our health care system.
**Research Questions**

1. What is the clinical effectiveness of hyaluronidase in hospitalized patients who have had an extravasation secondary to contrast media administration?

2. What are the evidence-based guidelines for the treatment of extravasation secondary to contrast media administration in hospitalized patients?

**Key Findings**

No relevant literature was identified regarding hyaluronidase in hospitalized patients who have had an extravasation secondary to contrast media administration. In addition, no evidence-based guidelines were identified regarding the treatment of extravasation secondary to contrast media administration in hospitalized patients.

**Methods**

A limited literature search was conducted on key resources PubMed, 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. No methodological filters were applied to limit retrieval by publication type. The search was limited to English language documents published between January 1, 2013 and May 31, 2018. 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>
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<th>Table 1: Selection Criteria</th>
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<td><strong>Population</strong></td>
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| **Interventions**           | Q1: Hyaluronidase  
Q2: Treatment of extravasation |
| **Comparators**             | Q1: Any comparator;  
No comparator  
Q2: No comparator |
| **Outcomes**                | Q1: Clinical effectiveness, safety (benefits or harms)  
Q2: Guidelines |
| **Study Designs**           | Health technology assessments, systematic reviews, meta-analyses, randomized controlled trials, non-randomized studies, evidence-based guidelines |
Results

Rapid Response reports are organized so that the higher quality evidence is presented first. Therefore, health technology assessment reports, systematic reviews, and meta-analyses are presented first. These are followed by randomized controlled trials, non-randomized studies, and evidence-based guidelines.

No relevant health technology assessments, systematic reviews, meta-analyses, randomized controlled trials, or non-randomized studies were identified regarding hyaluronidase in hospitalized patients who have had an extravasation secondary to contrast media administration. In addition, no evidence-based guidelines were identified regarding the treatment of extravasation secondary to contrast media administration in hospitalized patients.

Additional references of potential interest are provided in the appendix.

Overall Summary of Findings

No relevant literature was identified regarding hyaluronidase in hospitalized patients who have had an extravasation secondary to contrast media administration. In addition, no evidence-based guidelines were identified regarding the treatment of extravasation secondary to contrast media administration in hospitalized patients; therefore, no summary can be provided.

References Summarized

Health Technology Assessments
No literature identified.

Systematic Reviews and Meta-analyses
No literature identified.

Randomized Controlled Trials
No literature identified.

Non-Randomized Studies
No literature identified.

Guidelines and Recommendations
No literature identified.
Appendix — Further Information

Systematic Reviews and Meta-Analyses – Hyaluronidase Not Specifically Mentioned in Abstract


Non-Randomized Studies - Contrast Media Not Specified


Clinical Practice Guidelines – Methodology Not Reported


Contrast Media Not Specifically Mentioned

Review Articles


Additional References


