(a) Randomized Controlled trials of Cryotherapy to Prevent Oral Mucositis in Adults and Children Receiving Treatment for Cancer or Undergoing Hematopoietic Stem Cell Transplantation: A total of 390 references were identified from the search strategy. After screening titles and abstracts, 28 were retrieved in full and 16 satisfied the eligibility criteria (14 primary and 2 companion papers).
(b) Randomized Controlled trials of Low Level Light Therapy to Prevent Oral Mucositis in Adults and Children Receiving Treatment for Cancer or Undergoing Hematopoietic Stem Cell Transplantation: A total of 2,446 references were identified from the search strategy. After screening titles and abstracts, 57 were retrieved in full and 18 satisfied the eligibility criteria (Details available in Oberoi et al.[1]).

(c) Randomized Controlled trials of Keratinocyte Growth Factor to Prevent Oral Mucositis in Adults and Children Receiving Treatment for Cancer or Undergoing Hematopoietic Stem Cell Transplantation: A total of 906 references were identified from the search strategy. After screening titles and abstracts, 25 were retrieved in full and 12 satisfied the eligibility criteria (11 primary and 1 companion paper).

1103 Citations Identified
- 197 Duplicates Removed
- 906 Titles and Abstracts Screened
- 882 Excluded
- 1 Paper Identified From Medline Alert
- 25 Full-text Screened
- 13 Excluded
  - 2 Not a fully published paper
  - 9 Not an RCT or quasi-RCT
  - 2 Does not evaluate the use of KGF for prevention of mucositis in patients (adults and/or children) with cancer or undergoing HSCT
- 12 Studies Included
  - 11 primary studies
  - 1 companion publication
Non-Randomized Controlled trials of Keratinocyte Growth Factor to Prevent Oral Mucositis in Children Receiving Treatment for Cancer or Undergoing Hematopoietic Stem Cell Transplantation: As the search for RCTs of keratinocyte growth factor did not use trial design as a filter, the same 906 references were evaluated. After screening titles and abstracts, 5 were retrieved in full and 4 satisfied the eligibility criteria.
(d) Randomized Controlled trials of Any Intervention to Prevent Oral Mucositis in Children Receiving Treatment for Cancer or Undergoing Hematopoietic Stem Cell Transplantation: A total of 3,873 references were identified from the search strategy. After screening titles and abstracts, 105 were retrieved in full and 24 satisfied the eligibility criteria (21 primary and 3 companion papers).

4555 Citations Identified

682 Duplicates Removed

3873 Titles/Abstracts Screened

3768 Excluded

105 Full-text Screened

81 Excluded

3 Not a fully published paper
22 Not an RCT or quasi-RCT
43 Study population includes one or more participants >25 years of age
11 Does not evaluate the use of an intervention for prevention of mucositis during cancer treatment and/or HSCT
2 Not retrievable

24 Studies Included
21 primary studies
3 companion publications

Abbreviations: RCT – randomized controlled trial; HSCT – hematopoietic stem cell transplantation
REFERENCES