Growth factors and cytokines for the management of oral mucositis in cancer patients

Citation


KGF (IV) — Hematologic cancer — HSCT — prevention
   • Guideline: Recommendation (LoE I)
   • Guideline statement: The use of KGF-1 intravenously is recommended for prevention of OM in patients with hematological cancer undergoing autologous HSCT with a conditioning regimen that includes high dose chemotherapy and TBI.

KGF (IV) — Hematologic cancer — CT — prevention
   • Guideline: No guideline possible

KGF (IV) — H&N cancers — RT-CT — prevention
   • Guideline: No guideline possible

KGF (IV) — Solid cancers — CT — prevention
Guideline: No guideline possible

GM-CSF (topical) — Solid/hematological cancer — HSCT — prevention
- Guideline: Suggestion against topical use in HSCT (LoE II)
- Guideline statement: The evidence suggests that topical GM-CSF should not be used for the prevention of OM in patients undergoing HSCT.

GM-CSF (SC) — H&N cancers — RT or RT-CT — prevention
- Guideline: No guideline possible

GM-CSF (SC) — H&N cancers — RT — treatment
GM-CSF (SC) — H&N cancers — CT — prevention
GM-CSF (SC) — H&N cancers — CT — treatment
GM-CSF (SC) — Hematological cancers — HSCT — prevention
GM-CSF (topical) — H&N cancers — RT — prevention
GM-CSF (topical) — H&N cancers — CT or RT-CT — prevention
GM-CSF (topical) — Hematological cancers — HSCT — treatment
GM-CSF (topical) — Breast cancer — CT — prevention
GM-CSF (topical) — Solid cancer — CT — treatment
- Guideline: No guideline possible

G-CSF subcutaneous (SC) — H&N cancers — CT — prevention
- Guideline: No guideline possible

G-CSF SC — Solid cancers — CT — prevention
- Guideline: No guideline possible

G-CSF (topical or systemic) — Hematological cancers — CT — prevention
- Guideline: No guideline possible

G-CSF (topical) — Solid cancers — CT — treatment
- Guideline: No guideline possible

rhEGF (topical) — Hematological cancers — HSCT — prevention
- Guideline: No guideline possible

rhEGF (topical) — H&N cancers — RT-CT — prevention
- Guideline: No guideline possible

rhEGF (topical) — Solid cancer — CT — prevention
- Guideline: No guideline possible

EPO (topical) — Hematological cancers — HSCT — prevention
- Guideline: No guideline possible

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Abbreviations
CT — Chemotherapy
EPO – Erythropoietin
H&N — Head & neck
HSCT — Hematopoietic stem cell transplantation
G-CSF – Granulocyte colony stimulating factor
GM-CSF – Granulocyte–macrophage colony stimulating factor
KGF – Keratinocyte growth factor
LoE — Level of evidence
OM – Oral mucositis
rhEGF – Recombinant human epidermal growth factor
RT — Radiotherapy
RT-CT — Radiochemotherapy
SC – Subcutaneous
IV – Intravenous