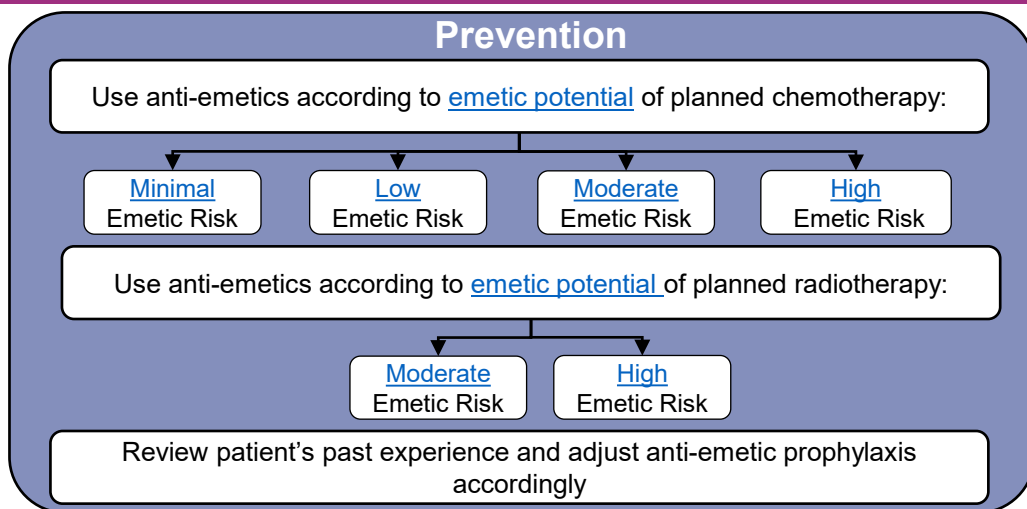
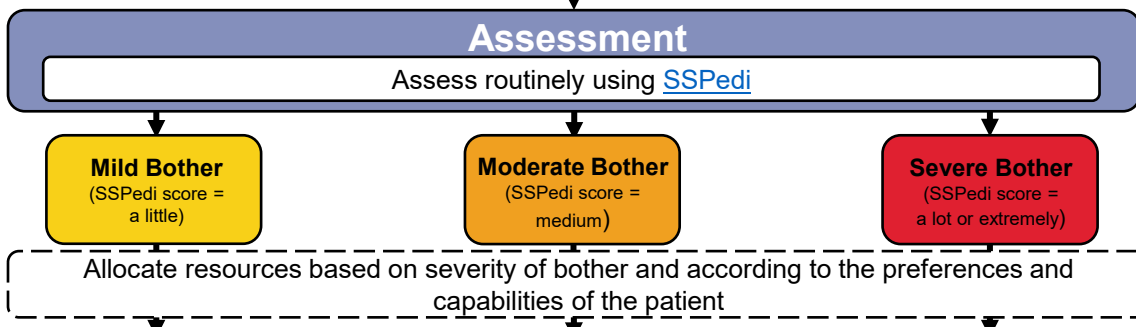


Nausea and Vomiting Care Pathway

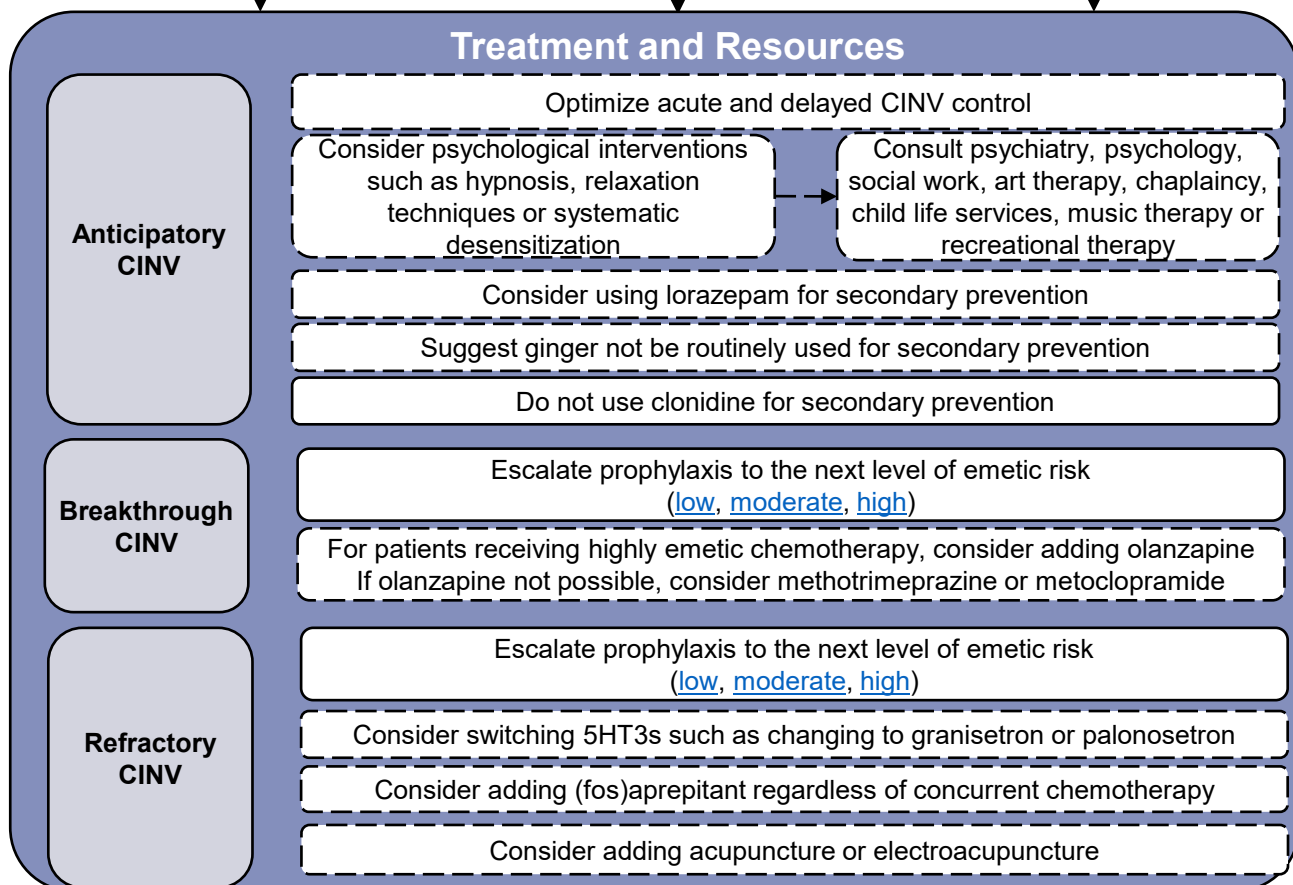
Prevention



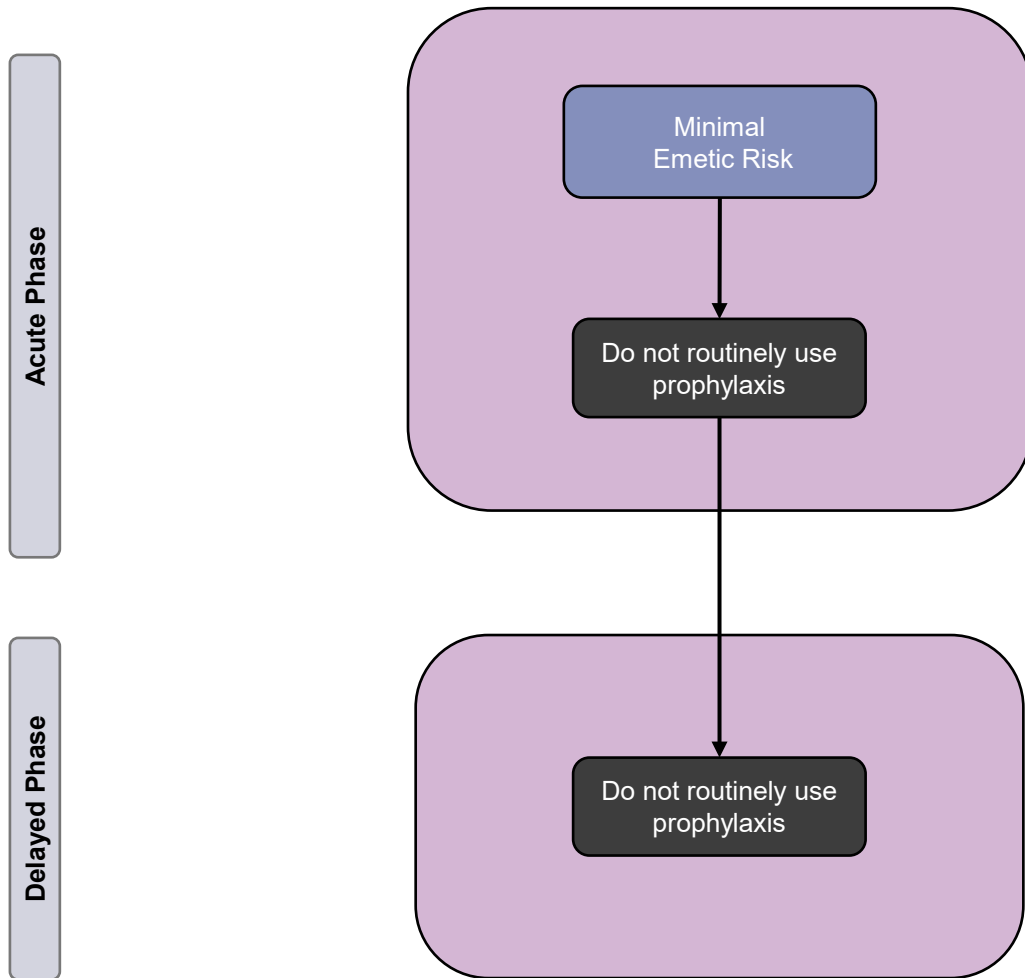
Assessment



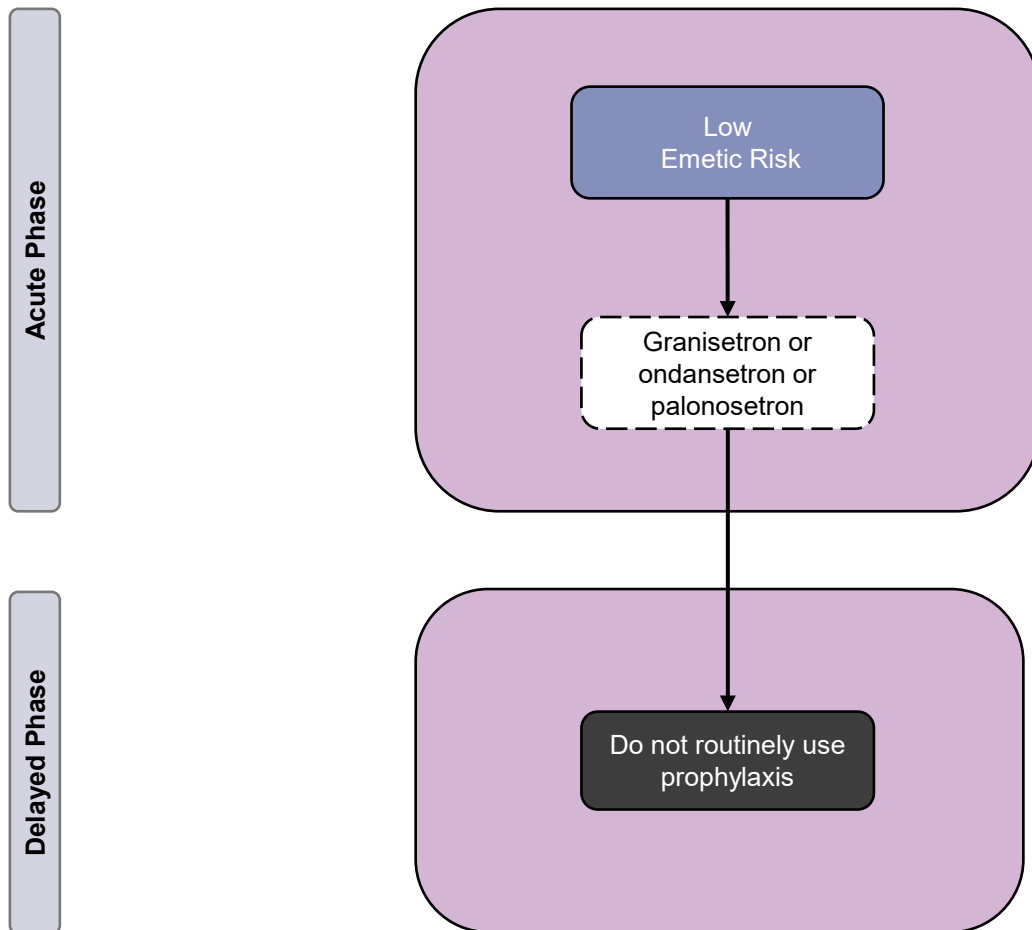
Treatment



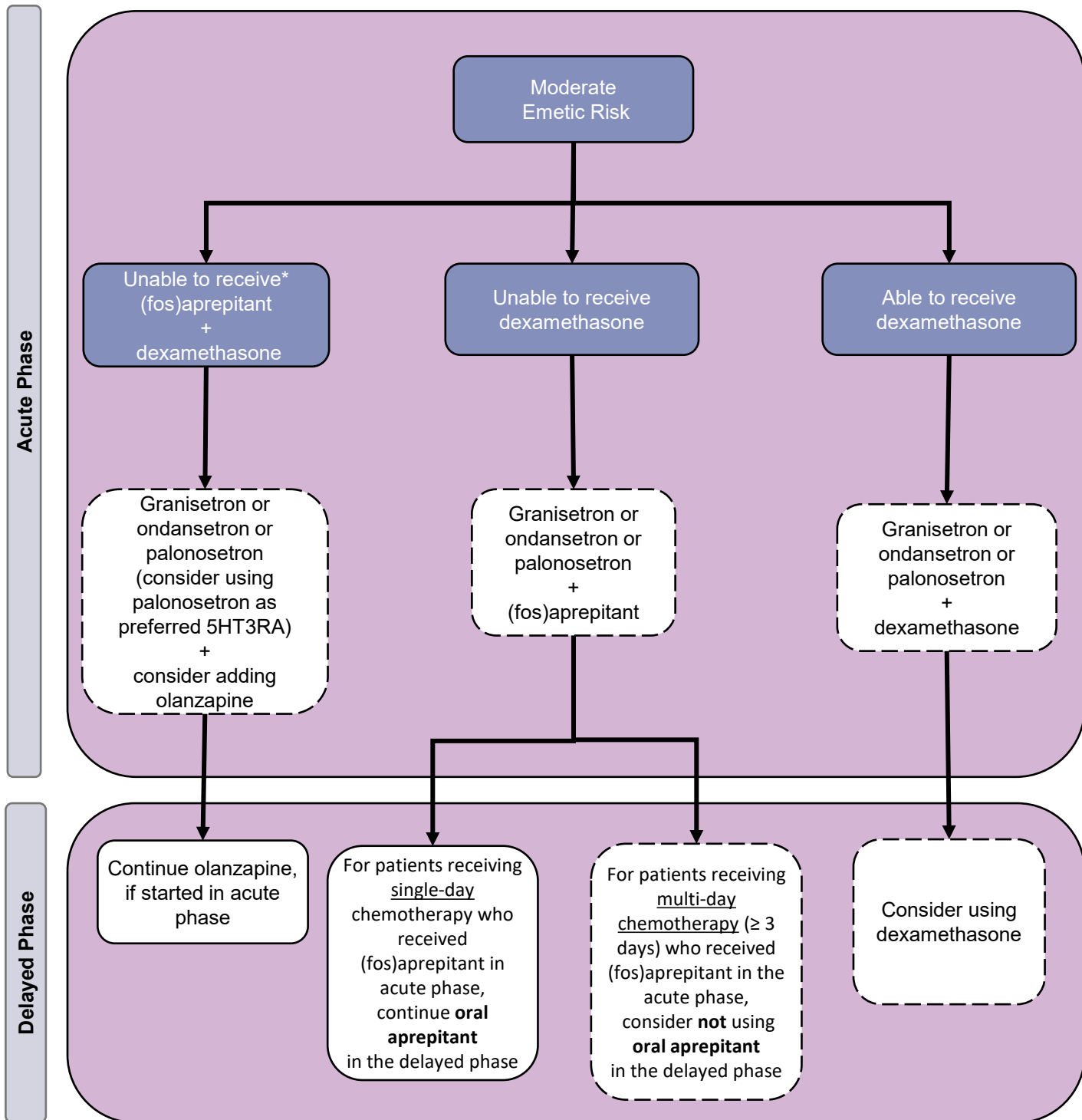
Nausea and Vomiting Care Pathway



Nausea and Vomiting Care Pathway

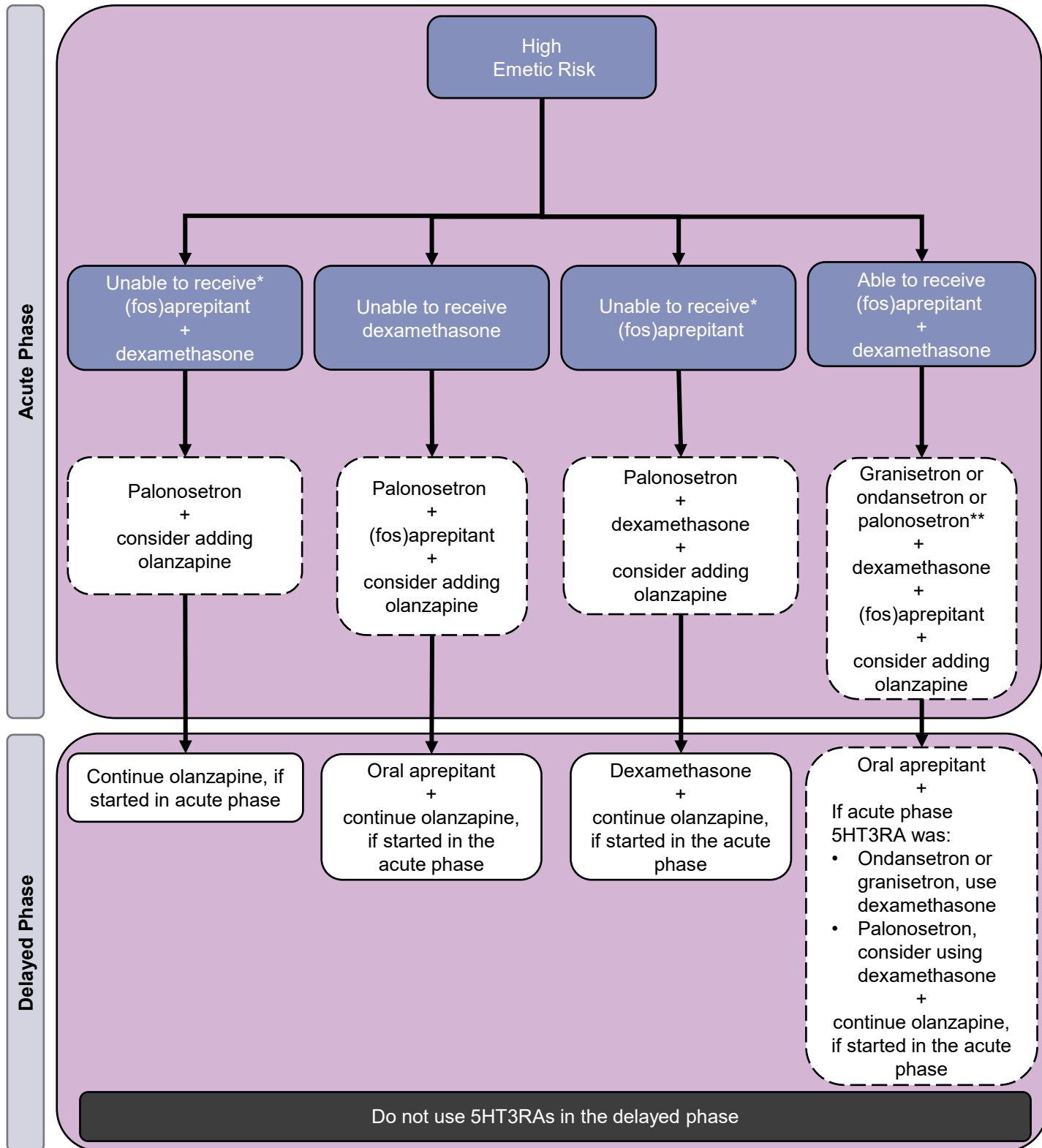


Nausea and Vomiting Care Pathway



* child <6 months old or receiving chemotherapy known or suspected to interact with (fos)aprepitant

Nausea and Vomiting Care Pathway

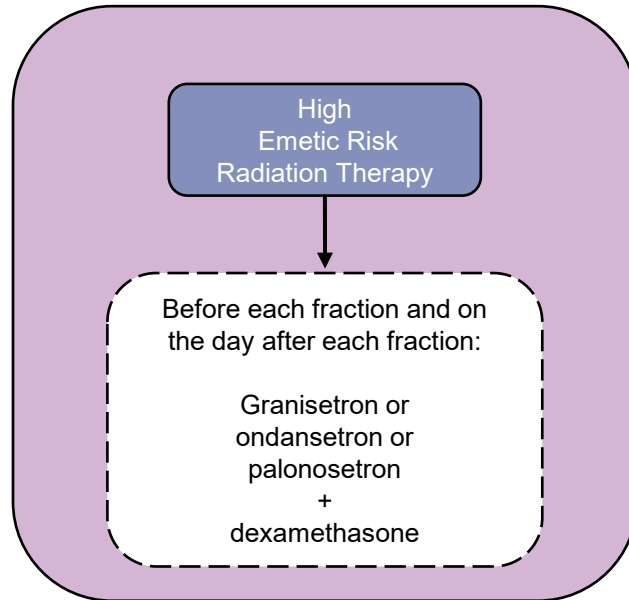


Acute Phase

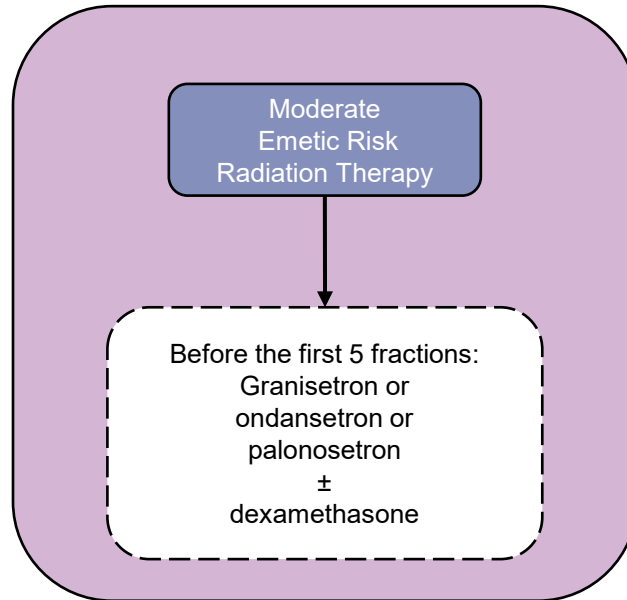
Delayed Phase

*child <6 months old or receiving chemotherapy known or suspected to interact with (fos)aprepitant
 **Use palonosetron in the acute phase as the preferred 5HT3RA in patients at high risk of delayed phase CIN7

Nausea and Vomiting Care Pathway



Nausea and Vomiting Care Pathway



Nausea and Vomiting Care Pathway

Minimal Emetic Risk

Single-agent regimens:

Asparaginase (*E. coli*) IM ≤ 6000 IU/m²/dose
 Asparaginase (*Erwinia*) IM $\leq 25\,000$ IU/m²/dose
 Chlorambucil ≤ 0.2 mg/kg/day PO
 Doxorubicin IV 10 mg/m²/dose
 Liposomal doxorubicin IV ≤ 50 mg/m²/dose
 Mercaptopurine PO ≤ 4.2 mg/kg/dose
 Methotrexate PO/SC ≤ 10 mg/m²/dose
 Pracinostat PO 25–45 mg/m²/dose
 Vincristine IV ≤ 1.5 mg/m²/dose

Multiple-agent regimens:

Cisplatin ≤ 60 mg/m²/dose intra-arterially +
 doxorubicin ≤ 30 mg/m²/dose intra-
 arterially
 Cisplatin ≤ 60 mg/m²/dose intra-arterially +
 pirarubicin ≤ 30 mg/m²/dose intra-arterially
 Mercaptopurine PO ≤ 2.5 mg/kg/dose +
 methotrexate PO ≤ 0.1 mg/kg/day

Low Emetic Risk

Single-agent regimens:

Cyclophosphamide IV 500 mg/m²/dose
 Cyclophosphamide PO 2–3 mg/kg/dose
 Dasatinib PO 60–120 mg/m²/dose
 Erlotinib PO 35–150 mg/m²/day
 Everolimus PO 0.8–9mg/m²/day
 Gefitinib PO 150–500 mg/m²/day
 Imatinib PO 260 mg/m²/day
 Mafosfamide IT 1–6.5 mg/dose
 Melphalan PO 0.2 mg/kg/dose
 Mercaptopurine PO ≤ 4.2 mg/kg/dose
 Methotrexate 38–83 mg/m²/dose IV
 Mitoxantrone IV ≤ 33 mg/m²/dose
 Procarbazine PO 50–100 mg/m²/day
 Ruxolitinib PO 15–21 mg/m²/dose
 Selumetinib PO 20–30 mg/m²/dose
 Sorafenib PO 150–325 mg/m²/dose
 Temozolomide PO 200 mg/m²/dose

Multiple-agent regimens:

Cytarabine IV 60 mg/m²/dose +
 methotrexate IV 90 mg/m²/dose

Moderate Emetic Risk

Single-agent regimens:

Cyclophosphamide IV 1000 mg/m²/dose
 Cytarabine IV 75 mg/m²/dose
 Dactinomycin IV 10 µg/kg/dose
 Doxorubicin IV 25 mg/m²/dose
 Gemtuzumab IV 3–9mg/m²/dose
 Imatinib PO > 260 mg/m²/day
 Interferon alpha IV 15–30 million U/m²/day
 Ixabepilone IV 3–10 mg/m²/dose
 Methotrexate IV 5 g/m²/dose
 Methotrexate IT
 Topotecan PO 0.4–2.3 mg/m²/day

Multiple-agent regimens:

Cytarabine IV 100 mg/m²/dose +
 daunorubicin IV 45 mg/m²/dose +
 etoposide IV 100 mg/m²/dose +
 prednisolone PO + thioguanine PO 80mg/m²/dose
 Cytarabine 60 or 90 mg/m²/dose +
 methotrexate 120 mg/m²/dose
 Liposomal doxorubicin IV 20–50 mg/m²/dose +
 topotecan PO 0.6mg/m²/day

High Emetic Risk

Single-agent regimens:

Asparaginase (*Erwinia*) IV $\geq 20,000$ IU/m²/dose
 Busulfan IV ≥ 0.8 mg/kg/dose
 Busulfan PO ≥ 1 mg/kg/dose
 Carboplatin IV ≥ 175 mg/m²/dose
 Cisplatin IV ≥ 12 mg/m²/dose
 Cyclophosphamide IV $\geq 1,200$ mg/m²/dose
 Cytarabine IV ≥ 3 g/m²/day
 Dactinomycin IV ≥ 1.35 mg/m²/dose
 Doxorubicin IV ≥ 30 mg/m²/dose
 Idarubicin PO ≥ 30 mg/m²/dose
 Melphalan IV
 Methotrexate IV ≥ 12 g/m²/dose

Multiple-agent regimens:

Cyclophosphamide ≥ 600 mg/m²/dose +
 dactinomycin ≥ 1 mg/m²/dose
 Cyclophosphamide ≥ 400 mg/m²/dose +
 doxorubicin ≥ 40 mg/m²/dose
 Cytarabine IV ≥ 90 mg/m²/dose +
 methotrexate IV ≥ 150 mg/m²/dose
 Cytarabine IV + teniposide IV
 Dacarbazine IV ≥ 250 mg/m²/dose +
 doxorubicin IV ≥ 60 mg/m²/dose
 Dactinomycin IV ≥ 900 µg/m²/dose + ifosfamide
 IV ≥ 3 g/m²/dose
 Etoposide IV ≥ 60 mg/m²/dose + ifosfamide IV \geq
 1.2 g/m²/dose
 Etoposide IV ≥ 250 mg/m²/dose + thiotepa IV \geq
 300 mg/m²/dose

Nausea and Vomiting Care Pathway

Emetic Risk of Planned Radiotherapy

Risk Level	Site
High (> 90%)	Total body irradiation
Moderate (30%-90%)	Upper abdomen, craniospinal irradiation
Low (10%-30%)	Brain, head and neck, thorax, pelvis
Minimal (< 10%)	Extremities, breast