

Complication in Cancer Treatment

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Complication

	Acute (4 wks)	Late (> 4 wks)
SURGERY	Anastomosis leakage	Deformity
	Bleeding	Malnutrition
	Flap necrosis	Incision hernia
	Wound infection	Gut obstruction
	Medical complication	Recurrent or Metastasis

Monitor & Evaluation

- ABC Management
- Specific management : wound / catheter / nutrition
- Multidisciplinary team round

Complications of Chemotherapy

- **SHORT TERM**

Anaphylaxis

Fever/Neutropenia

Nausea

Infusional reactions

Oral complications

Diarrhea

Anemia

Neuropathy

Alopecia

Rash, Extravasation

Emotional : Depression , Anxiety

Complications of Chemotherapy

- **Longterm**
 - Cardiac
 - Secondary Malignancies
 - Fatigue
 - Neuropathy
 - Arthropathy

FEBRILE NEUTROPENIA

- On Chemotherapy, 7 to 14 days post chemo
- Temperature great than or equal to 38.3 degrees centigrade
- Absolute Neutrophil count (ANC) less than 1.0

NAUSEA

- Worst offenders:
 - Cisplatin
 - High dose cyclophosphamide
 - Doxorubicin, epirubicin, carboplatin also have a high incidence of nausea

NAUSEA TREATMENT

Medications:

Prochlorperazine (stemetil)

Metoclopramide (maxeran)

Ondansetron (Zofran)—5HT₃ antagonists

Dexamethasone

Lorazepam, Haloperidol

Oral Complications

- loss of taste
- mucositis
- Oral hygiene important-soft tooth brushes, floss?
 - SALT WATER GARGLES
 - TOPICAL ANALGESIA ie Xylocaine viscous

Secondary Malignancies

- Skin cancers
- Breast cancers
- Hematologic Malignancies

Radiologic Complication

- Acute : less than 3 months : complete recovery to normal when stop radiation
- Subacute : 3-6 months : may be recovery
- Late : more than 6 months : usually permanent

Head-Neck-Breast Radiation

Acute

- Otitis media
- Brain edema
- Skin desquamation
- Oral mucositis
- Pneumonitis
- Neutropenia/Bone marrow suppression

Subacute/Chronic

- Brain necrosis/Encephalopathy
- Mental retardation
- Hearing loss / Impair vision
- Pneumonitis
- Pericarditis
- Arm edema
- Shoulder stiffness
- Neutropenia/Bone marrow suppression

GI-Pelvic Radiation

Acute

- Nausea/vomitting
- Diarrhea
- Anemia
- Skin desquamation
- GI/GU Bleeding
- Neutropenia/Bone marrow suppression

Subacute/Chronic

- Bowel perforation
- Fistula
- Hollow organ stricture
- Vaginal/anal stricture
- GI/GU Bleeding
- Neutropenia/Bone marrow suppression

THANK YOU