Cheatography

Oncology Cheat Sheet by Michellephillipso2 via cheatography.com/214485/cs/46727/

Guidelines & References

ESPEN expert group recommendations for action against cancer-related malnutrition

ESPEN practical guide: Clinical nutrition in cancer

Clinical Oncology Society of Australia. Position statement: Cancer-related malnutrition and sarcopenia

Grading

Uses tumour biopsy

X to 4

Higher grade = undifferentiated = more intense treatment

Staging

TNM. Higher number = more severe

T = tumour size

N = number of lymph nodes which contain cancer

M = Distant metastasised

T4N3M1 = large tumour which has spread significantly to lympth nodes and has metastasised – will continue to grow & spread rapidly

Terminology

Benign (nonmalignant) = not cancer

Malignant = cancer

Metastasis = spread of cancer cells

Neoadjuvant: Treatment given as a first step to shrink a tumour before the main treatment (usually surgery). Includes chemo, radiation or hormone therapy

Adjuvant: Additional treatment given after the primary treatment to lower the risk of the cancer coming back. Includes chemo, radiation, hormones, biological or targeted therapy

Cancer cachexia: unintentional weight and muscle loss in people with cancer, not fully reversible by eating more



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Types of cancers

| Carcinomas | Most common. Arise from epithelia cells. Breast, prostate, lung, colorectal, melanoma. | |
|---------------------|---|--|
| Lymphoma | Cancer of the lymphatic system (hodgkin lymphoma and non- Hodgkin lymphoma) | |
| Leukemia | Cancer of white blood cells, often starting in bone marrow | |
| Multiple myeloma | A cancer of plasma cells in the bone marrow. | |
| Sarcomas | From bone, muscle, fat. Osteosarcoma (bone), Leiomyosarcoma (smooth muscle tissue) | |
| Gliobl- astoma | An aggressive brain tumor. | |
| | | |
| Types of cancers | | |
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Treatmen

| Treatment | | | |
|--|---|--|--|
| Chemo | Oral, IV or injection | | |
| | Given in cycles – gives the healthy cells a chance to grow back. C3D8 = cycle 3 (of 8), Day 8 (of the 14 day cycle) | | |
| | S/E: V&D, constipation, dysphagia, fatigue, altered taste, oral thrush, thickened saliva, reflux, dry mouth, mucositis | | |
| Immuno- therapy | Helps the patients own immune system to fight cancer Eg. immune checkpoint inhibitors or monoclonal antibodies | | |
| | Not as big effect on nutrition | | |
| Radiation (XRT) | Kills or slows the growth of cells by damaging the DNA. In a big machine, similar to a CT scan. Measured in "grey" and given in "fractions" | | |
| | S/S occur after 2 weeks of treatment & accumulate | | |
| | S/E: Fatigue, dysphagia, diarrhea, vomiting, thick salvia, pain, taste changes, damage to bowels (eg bleeding) | | |
| Intervention | n | | |
| Malnutrition (for chemo | n assessment: SGA, PG-SGA SF) | | |
| Malnutrition screening – MST, MUST | | | |
| Sarcopenia | Sarcopenia screening (SARC-F) | | |
| HPHE - ON | HPHE - ONS/Fortification/EN | | |
| Educate: Food safety & hygiene – Immuno- compromised. Avoid illness | | | |
| Depending on the person/prognosis: low-in- flammatory foods – more so in people In remission | | | |

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astoma

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Consider: site of cancer, refeeding risk, tube position (is it in the right place?)

Energy ~125kJ

Chemo & Radiation: >125kJ/kg Cancer cachexia: >125kJ/kg Malnutrition = repletion (125-145kJ) Protein ~1.2-1.5g Chemo & Radiation: >1.2g/kg Older/chronically ill/repletion: 1.2-1.5g/day Renal failure: 1.0-1.2g/kg Cancer cachexia: > 1.4g/kg

Inadequate oral intake related to loss of appetite and nausea 2 to chemotherapy, as evidenced by pt consuming ~__% of EER and ___% of EPR*

Food and nutrition knowledge deficit

Inadequate protein-energy intake

Nutrition Strategies - based on S/S

CTCAE Grading 1 to 5. 1 = mild, intervention not indicated. 5 = death related to S/S.

Taste Changes

↓ taste: add salt or seasoning, ginger, pickles, honey, adding herbs/spices, pickles, marinades, sauces etc

1 taste: use straw. No added sugar products. Low salt alternatives. Avoid fizzy drinks/mints/chewing gum

Too salty: Roast meats over deli meats. Add sugar or honey to food.

Too sweet: Avoid added sugars/fruit etc. Plain breakfast cereals. Add salt or lemon juice.

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| | Metallic: ginger, small sips of flavoured drinks. Non-metallic cutlery. Suck on boiled lollies | | |
|---------------|---|--|--|
| | Feel like "sand", "straw" "cardb- oard" – Change the consistency of the food, soft, moist foods, add sauces/gravies, soups & smoothies, drink lots of water, medications to replace saliva | | |
| | <i>pink lady</i> – Gaviscon + a numbing agent – pharmacist | | |
| Smell changes | | | |
| | Ask friends/family to cook for you | | |
| | Cook in bulk and freeze | | |
| | Bland foods. | | |
| | Cold or room temp (avoid hot) | | |
| | Avoid strong flavours: garlic, onion etc | | |
| Anorexia | Loss of appetite or desire to eat = ↓ food intake | | |
| | Educate on malnutrition & importance in treatment | | |
| | Using smaller plates | | |
| | More frequent small meals | | |
| | EN/ONS | | |
| N/V | | | |
| | Medications – pharmacist | | |
| | Cold food – usually better tolerated. sandwiches, salads, jelly, custard and yoghurt (NEMO) | | |
| | | | |

Sn

N/\

Smaller frequent meals - avoid having an empty stomach Peppermint or ginger

Salty snacks/dry crackers, biscuits, noodles, cereal, toast, pretzels, crackers

Avoid alcohol and high volumes of coffee

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| sucking on ice blocks | |
|---|----|
| regular small sips of water or cold clear fluids – cordial, lemonade, ginger ale, juid | ce |
| Mucositis & pain when swallowing | |
| Artificial sweeteners | |
| Sugar free gum | |
| Avoiding hot food | |
| Avoiding sources of trauma – hard toothb rush, crispy foods |)- |
| Diarrhoea | |
| Medical management – consult medical team/Pharmacist | |
| Monitor dehydration & electrolyte losses | |
| Consider non-treatment causes – Fibre, lactose, intolerances, sugar-free products | 5 |
| Adequate hydration - electrolyte solution | s |
| Limiting fatty/greasy dishes, high fibre foods and fizzy drinks | |
| Bland foods | |
| Avoid caffein | |
| Try low lactose alternatives | |
| Loss of appetite | |
| Meds: Appetite stimulants | |
| Early satiety: prokinetics (stimulates GI movement) – consider constipation | |
| HPHE & ONS – Sustagen, up & go, milkshakes etc | |
| 6 smaller meals/day | |
| Encourage to eat by the clock – avoid waiting until they are hungry | |
| Eat when appetite is better – commonly morning | |

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Nutrition Strategies - based on S/S (cont)

Encourage favourite foods – discuss with family

Social eating

Softer foods that don't require chewing

Cook in bulk and freeze – less exposure to food smells

Have ready-prepared meals/snacks

Encourage gentle exercise

Oral Health

Regular sips of water to keep mouth hydrated & stimulates saliva

Gum, sucking on lollies

Sodium bicarb mouth wash



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