

Client Details

- Female, 45 years of ageChordoma (bone cancer)
- Lesion on forehead, but throughout body

- Chemotherapy: Vincristine
 Contemplation stage of change
 Used to do swimming when she was younger

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The Clients Treatment

The Type of Treatment:

-Chemotherapy (through the form of Vincristine).

-Vincristine is in a class of medications called vinca alkaloids and works by slowing or stopping the growth of cancer cells in your body. (Stopping the cancer cells from splitting in 2).



The Clients Treatment



How The Treatment Is Administered:

-Vincristine is administered into the bloodstream through a intravenous injection into the vein (usually in the forearm or hand).

-Using a gravity drip and an IV bag the vincristine is administered down the rubber tubing through a cannula (a small tube placed into the vein) and into

the bloodstream. -There is no pill form for this type of medication.



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The Client Treatment

Side Effects of this Treatment/Medication:

-Risk of infection. The treatment can lower the amount of white blood cells in the blood which increases the risk of infection due to the lack of white blood cells to fight off infections.

-Fatigue, which can lead to tiredness and lack of readiness to exercise. -Nervous system problems, for example numbness in fingers and toes.

-Muscle or bone pain. -Swelling and pain at the drip site

-Lesion of the skin. This is something that our client has suffered with having lesions appear in the forehead due to a reaction with the medication. This therefore leads to loss in self confidence and low mood proving that not all side effects are physical and can cause physiological damage.

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IMPLICATIONS OF SIDE EFFECTS TO EXERCISE PROGRAMMING

Picc line - in the arm, adequately protected at all times

Allergic reaction/Extravasation - (If recurrence of an allergic reaction see next slide). Lesions are visual and sore, quiet spaces, keep cool & dry, loose & natural fibre clothing

Increased risk of getting an infection - Additional Hygiene measures, bring own towel, water, sanitiser. As above quiet spaces or smaller group environs, consider ventilation, surfaces etc



Implications of side effects on exercise programming cont.....

ng bleeding - Appropriate Rax, Space & time for client

Fatigue - Piper Fatigue Scale, observation and monitoring, do a little if cant' do alot, effective comm nication for dis

Ausania, Parcheel kumbares, & Timping, Contal Nervour Sofekting Aprunction - Weld for balance lasure & include a proprioregoio avoir in add Contal Way, ceg use of male & spoce, avoir add spectra program and the spoce of the spectra program bands & body weight, more emphasis on mobility and movement, may reduce ability to grip, watch for colour changes, reduction in response levels and in attention

Constipation, Diarrhoea, nausea, - Housekeeping, locations, vicinity, hygiene, breaking up sessions

Loss of Appetite - Is client eating/drinking, may have to postpone or change exercise

Skin issues, sore mouth & nose, Hair loss, Soreness/pain in muscles and joints, Pain in jaw - comfort, privacy, positivity, work within pain and ROM, could affect speech/ability to est & drink as above, bring own room temp water, effective breathing & relaxation

Less common - watch out for breathlessness, vision changes, hearing changes - Use of RPE/OBs/Talk Consider breaking up sessions, appropriate rest & active recovery phases, communication skills, Rax, Lighting, Effective preparation

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POTENTIAL CONTRAINDICATIONS

Any worsening of symptoms associated with Vincristine such as: Acute Allergic reaction Extravasation

Difficulty passing urine

Anything new

Fever > 37.5 Infection and accompanying symptoms Acute Anaemia



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Client specific exercise session

Aims and objectives:

- Reduce fatigue Reduce pain Improve well being
- Design:

- g-Grcuit training session to allow adaptations to each exercise (green, amber, red) Low to moderate intensity (due to faitgue from Chernotherapy) 23 sessions per week (mindful of lein's recovery) Exercises including both resistance training and CV (from evidence of reducing fatigue with research studies) 6 exercises to allow both resistance and CV (allowing leithy of resp forcids) 15 minute warm up including mobility, pulse raiser and dynamic stretching end unconstition
- Safe and appropriate:
- Appropriate use to equipment to avoid bruising (side effects from treatment) e.g.rubber dumbbells or bands Includes adaptations for low intensity Includes plenty of breaks Low impact

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Dietary Requirements



Dietory Guidelines Good nutrition is key in life and even more so when flybling bone cancer. During treatment (chemotherspy) your appetite may be affected and will o iment (che pints are:

Throughout treatment partials a high-protein, high-calor & dait to provide energy for your body.
 Kong (your weight steady).
 Load up on high-calor the finding weak to underweight. If World fluctions these a supplement of Vitamin D may be needed.
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Diet Before Treatment

ent you must try to maintain a healthy diet. In preparation for bone cancer t

- A healthy diet will help the client go into treatment with reserves to help maintain strength, rebuild and protect body tissues, and boost immune system against infection Diet should include:
- Hold presentiated labels the functional weather with a field of the State State

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