Nutrition and Physical Activity for the Management of Cervical Cancer

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**"Thanks to** radiothera I had a fair chance against cancer" **Together in the Fight against Cervical Cancer** Friday, 7 February 2020

Vienna International Centre

# Why is nutrition and physical activity important during cervical cancer treatment?

Poor nutrition status is associated with...

Decreased treatment tolerance	Longer hospital stays
Higher rates of hospital admissions	Increased treatment delays
Delayed recovery from infections	Lower quality of life
Increased side effects	Higher mortality rates



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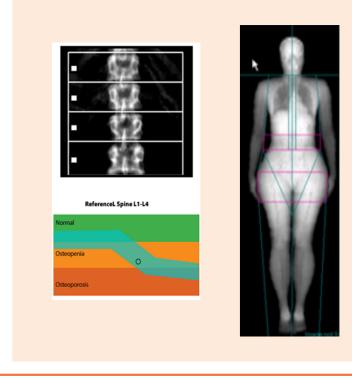
# **Medical Nutrition Therapy**

### 1. Diet history

- Low intake of fruits and vegetables
- 2. Dual Energy X-ray Absorptiometry
  - 28% fat Healthy
  - -1.8 SD Bone density Low bone mass

## 3. Consideration of treatment protocol

- Nutrition related side effects
  - $\rightarrow$  Diarrhea, Nausea and fatigue

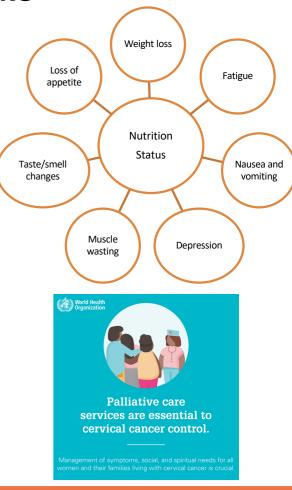




## **Medical Nutrition Therapy Goals**

• To manage the short term nutrition related side effects of treatment to promote recovery

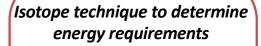
 To develop healthy nutrition and physical activity habits to improve health and quality of life in survivorship

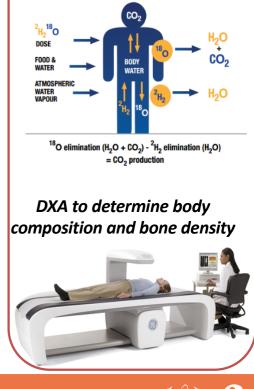




## **Nutrition and Physical Activity during Treatment**

- ↑ energy requirements & ↓ nutrient absorption
  - Increase protein intake (1.2 to 2 g/kg/day)
  - Balanced diet
- Nausea and lack of appetite
  - Eat 6-8 small meals
  - Stay hydrated
- Muscle wasting
  - Participate in whole-body exercise 3 x week
  - Monitor body composition every 6 months







#### **Annual Surveillance**

- PAP test
- Pelvic exam

#### **Monitor for late effects**

- Colonoscopy
- Bone Health
- Radiation side effects

#### **Risk Reduction**

- Lifestyle risk assessment
- Cancer screening
- CVD risk reduction

#### **Psychosocial Functional**

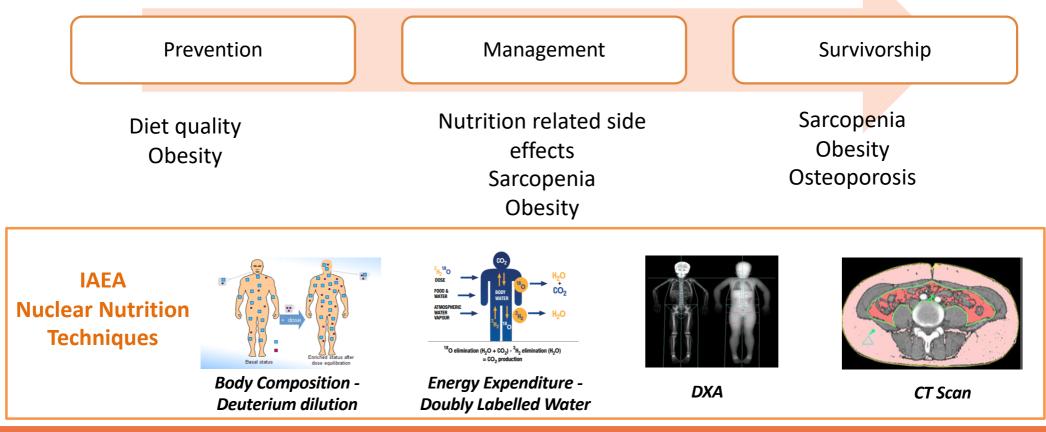
- Social support
- Financial stressor

# Nutrition and Physical Activity in Survivorship

- 1. Maintain a healthy body composition
- 2. Eat plant based diet
- 3. Be physically active as part of daily activities
- 4. Limit red and processed meats
- 5. Limit alcohol
- 6. Limit salt intake
- 7. Avoid sugary drink and energy dense foods



## **IAEA Nutrition – Cancer**





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