Nutrition to improve patients outcomes

Dietary Counselling: a Simple but Effective way to improve Cancer Outcomes

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Dietary Counselling

INEVER SIMPLE

Effective

The diet is the only factor that the patient feels he/she can control

Food intake is recognised by the patient as essential to maintain activity, energy & function

Quality in Nutrition

Nutrition professionals



Training Skills

Expertise

Differentiation Clinical Nutrition

- ✓ Empathy
- ✓ Values dimensions determinant for patients
- ✓ Only timely, adequate & sustained / reinforced intervention is effective

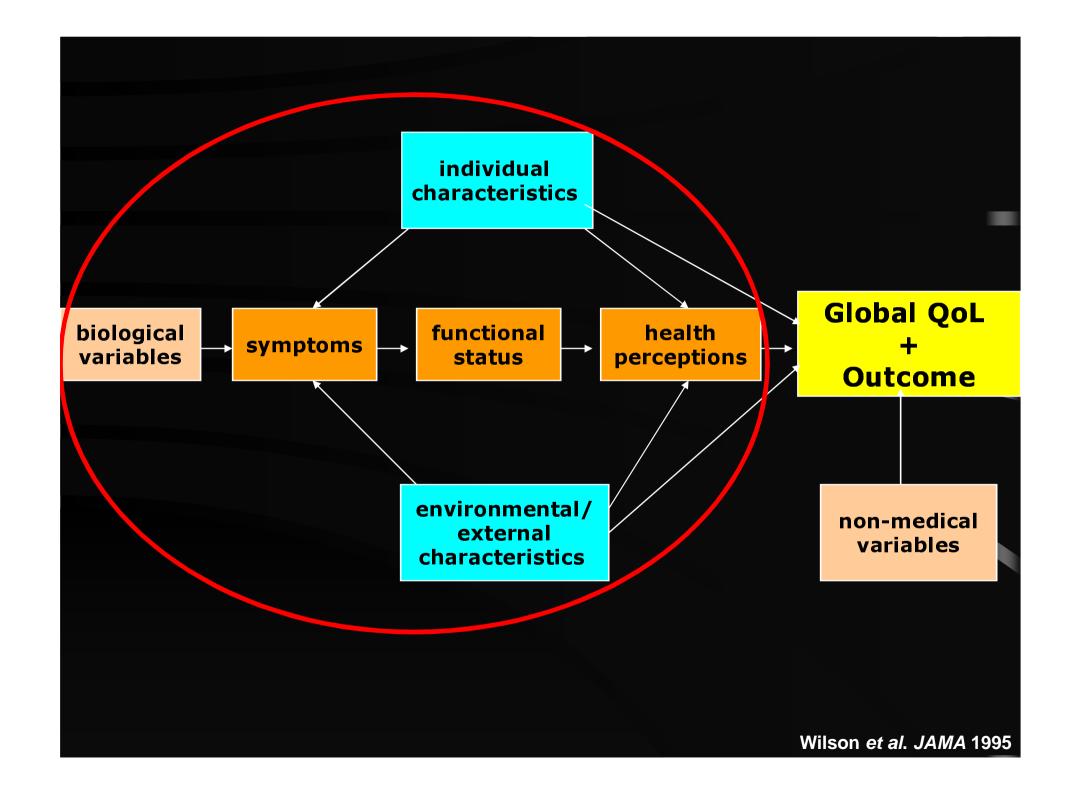
Patient is the priority

Criteria
Quality / Accreditation



Council of Europe

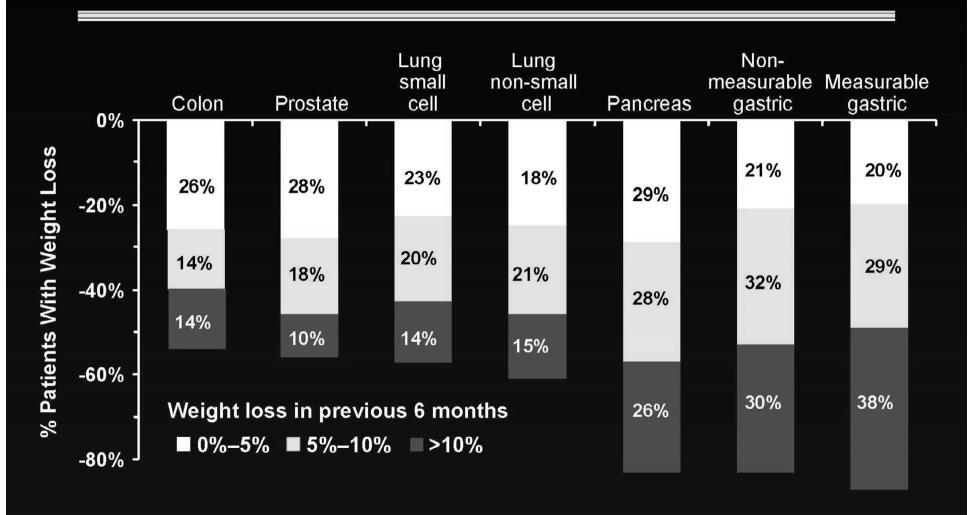
Resolution ResAP(2003)3 on food and nutritional care in hospitals 2003





- Always the preferred route
- Patient's daily routine
- Autonomy
- Pleasure
- Family
- Psychological modulation
- Improve QoL + acute / late morbidity

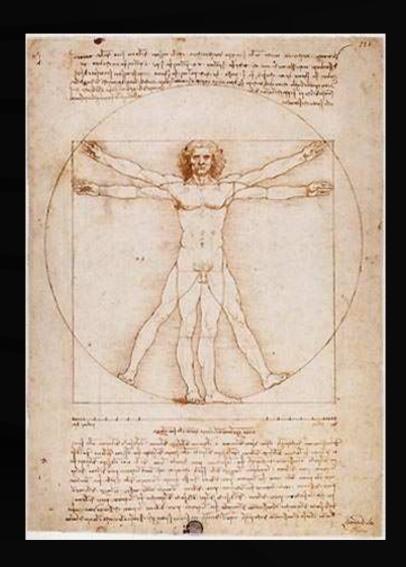
Frequency/Severity of Weight Loss Associated With Cancer



Undernutrition in cancer ↓ influences patients' clinical course ↓ indicator of poor prognosis

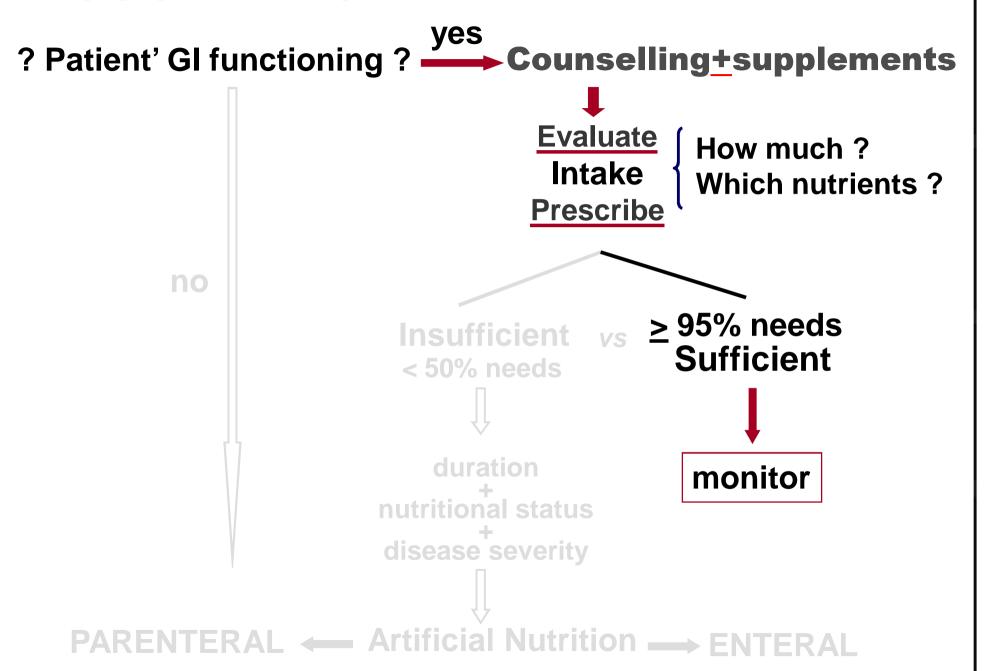
- ! morbidity and mortality !
- Reduces Quality of Life (QoL)
- Impairs functional capacity and physical activity
- Impairs immune function
- Increases treatment related morbidity & reduces tolerance to treatment(s)
- May reduce treatment(s) response/efficacy
- May reduce survival

Nutrition



Patient-centred outcomes

DECISION-MAKING



Evidence based nutritional counselling

- Assessment nutritional status &
 - NUTRITIONAL INTAKE

- Structured Questionnaire
- Dietary preferences / habits / intolerances
- Diary meal distribution
- Psychological status, autonomy (cooperative? needs support?)
- Symptom' assessment (GI, dysphagia, anorexia, pain, ...)

INDIVIDUALISED DIET

- Inform the patient / family importance of the diet / food types / amounts
- Intake ≈ requirements energy/macro/micronutrients

Individualised counselling

- Therapeutic diets modified to fulfill specific requirements:
 - digestion / absorption
 - disease stage and progression
 - psychological factors
 - symptom modulation

- Mantain (as possible) the usual dietary pattern

- Prescription type amounts

frequency

Patient
Disease
Therapeutic goals

1st intervention trials of nutritional therapy regular foods / therapeutic diets outcomes





Radiotherapy and Oncology 67 (2003) 213-220

www.elsevier.com/locate/radonline

Does nutrition influence quality of life in cancer patients undergoing radiotherapy?

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Head & Neck 2005; 27: 659-668

IMPACT OF NUTRITION ON OUTCOME: A PROSPECTIVE RANDOMIZED CONTROLLED TRIAL IN PATIENTS WITH HEAD AND NECK CANCER UNDERGOING RADIOTHERAPY

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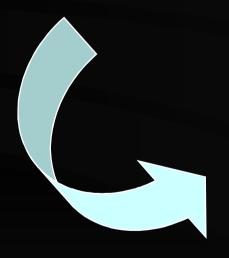
JOURNAL OF CLINICAL ONCOLOGY

ORIGINAL REPORT

Dietary Counseling Improves Patient Outcomes: A Prospective, Randomized, Controlled Trial in Colorectal Cancer Patients Undergoing Radiotherapy

Paula Ravasco, Isabel Monteiro-Grillo, Pedro Marques Vidal, and Maria Ermelinda Camilo

Individualised nutritional counselling and education were, per se, major determinants to improve outcomes



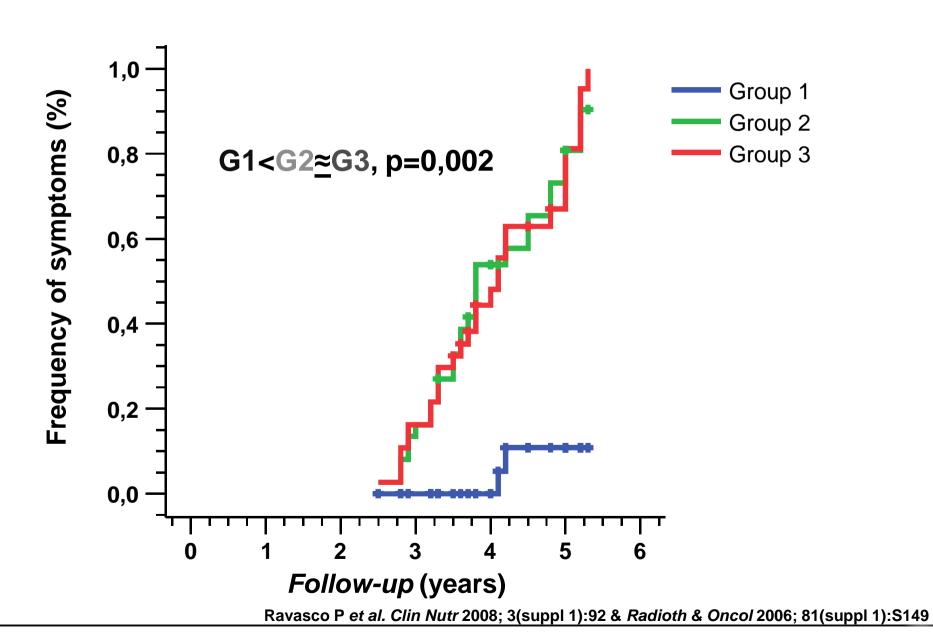
nutritional

clinical

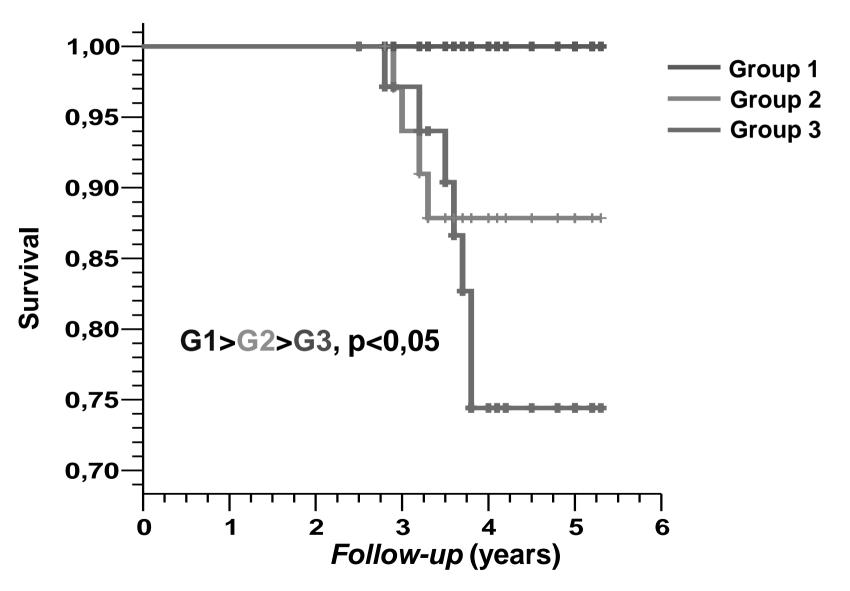
functional

QoL

Late RT toxicityDiarrhoea, abdominal distention, flatulence



Survival



Ravasco P et al. Clin Nutr 2008; 3(suppl 1):92 & Radioth & Oncol 2006; 81(suppl 1):S149

Quality of Life

G1

<u>highest QoL scores</u> similar to those at 3-mts follow-up QoL ← adequate nutritional intake + status p<0.05

G2+G3

<u>all QoL scores worsened</u> vs 3 mts follow-up p<0.05

Worse QoL deterioration nutritional intake+status
p<0.01

G1>G2~G3 p<0.002

First results of a long term *follow-up*, designed to evaluate the <u>possible efficacy</u> of <u>adjuvant therapeutic diets</u>

Early & timely individualised nutritional counselling and education had a sustained effect on *outcomes*



nutritional clinical functional QoL

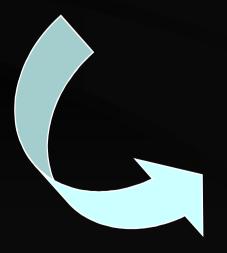
and probably prognosis

JAm Diet Assoc 2007

Nutrition Support Using the American Dietetic Association Medical Nutrition Therapy Protocol for Radiation Oncology Patients Improves Dietary Intake Compared with Standard Practice

ELISABETH A. ISENRING, PhD, AdvAPD(Aus); JUDITH D. BAUER, PhD, MHSc, AdvAPD(Aus); SANDRA CAPRA, PhD, MSocSc, FDAA(Aus)

In patients with GI tract cancer submitted to RT, individualised nutritional counselling *vs* standard practice, improved *outcomes*



nutritional functional QoL

Evidence grade A

Intensive dietary counselling

with regular foods + oral nutritional supplements

↑ diet intake,

prevents therapy-associated weight loss, prevents treatment interruption

in GI or head-neck cancer patients undergoing RT + CT

Specific

nutrients

"*New era in cancer management*" Nutrition and outcomes

Symptoms Intake GI Disease modulation

Functional capacity
QoL
Prognosis

Cancer + Treatments



Global outcome





Adjuvant to the anti-neoplastic treatment goal

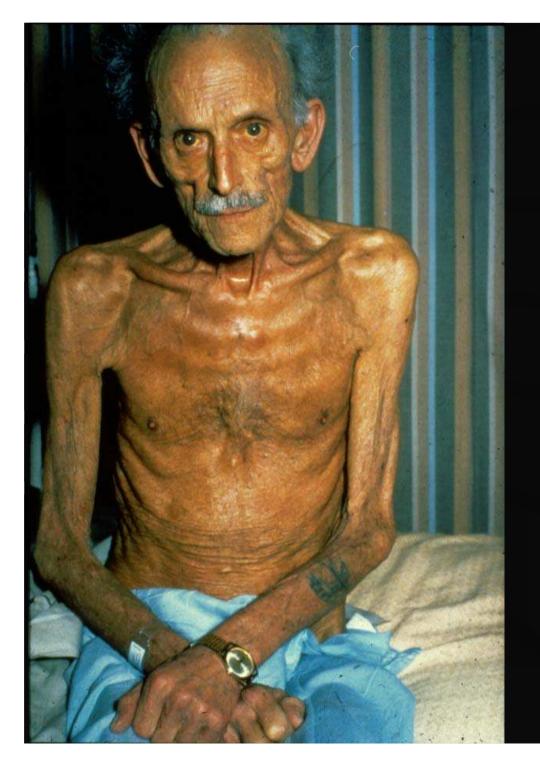
Proactive nutritional intervention can modulate weight loss & morbidity

Early nutritional intervention paramount to prevent nutritional & physiological deficits



Stabilize or improve global clinical status &
number potential for favorable response to therapy, recovery & prognosis

Maintain adequate nutritional status, body composition, performance status, immune function & Quality of Life



It is our obligation to provide and integrate Nutrition in the overall treatment, mandatory to sustain life throughout the patient's disease journey...

John Hunter, 1794

and to significantly improve Outcomes!