## II. Nourishment

### **Nutrition**

### What we eat matters!

 >1000 different phytonutrients identified to have potential chemopreventive activities<sup>1</sup>



- the foods we eat can change genetic expression<sup>2</sup>
- synergy of some phytonutrients with chemotherapy and radiation<sup>3,4</sup>

### What to Eat?

"Eat food. Not too much. Mostly plants."
- Michael Pollen



Whole Foods, Plant-Based Diet

### **Nutrition**

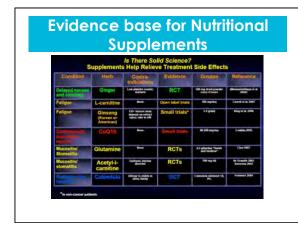
Diet hitervention	Cancer		Design	Outcomes	Results	Reference
Low-lat diet - lat otals - 20%	Breast early stage, postmeno	2437	RCT	Relapse events, all: ER-subjects only: -24% reduction in recurrence	0.76 0.63	Chlebowski, 2005 (WINS)
Low-tat, high fiber. fruit/vegetable	Breast early	3088	RCT	Broast cancer event Mortality:	0.96 0.91	Pierce, 2007 (WHEL)
Support group low-fat diet, exercise	Breast, regional	227	RCT	Récurrence. Cancer mortality. All-cause mortality:	0.55 0.44 0.51	Andersen, 2006
Diel to support 10-kg weight loss	Breast stage unclear	54	RCT	Cancer mortality: All-cause mortality	0.38	de Waard, 1993
Diet to support 10-kg weight loss	Breast stage undear	46	RCT	Career mortality: All-cause mortality:	0.40	de Waard, 1993.
Lower Real, low-fait	Breast stage unclear	110	RCT	Requirence	0.20	Sopotimskaya, 1992

### **Nutrition references**

- Priyadarsini, RV and S. Nagini. Cancer chemoprevention by dietary phytochemicals: promises and pitfalls. Curr Pharm Biotechnol 2012;13:125-36.
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- Lev-Ar, S, Strier, L, Kazanov, D, Madar-Shapiro, L, Dvory-Sobol, H, et al. Celecoxib and curcumin synergistically inhibit the growth of colorectal cancer cells. Clin Cancer Res 2005;11(18):6738-44.
- Sharma, G, Tyagi, AK, Singh, RP, Chan, D, and R Agarwal. Synergistic anticancer effects of grape seed extract and conventional cytotoxic agent doxorubicin against human breast carcinoma cells. Breast Cancer Res Treat 2004;85:1-12.

# AICR Patient Education on Nutrition and Physical Activity







Bringing Nourishment to Life Through Culinary Translation

### **Eight Principles of Food Selection**

· Whole

• Local

Fresh

• In harmony with tradition

Natural

· Balanced

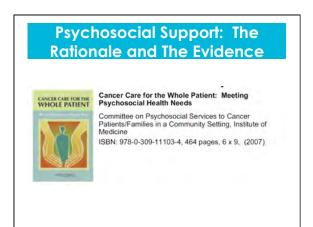
· Seasonal

· Delicious

### **Steps to Delicious**

- Start with good quality ingredients—choose from whole foods
- Build the Flavor with the right amount of:
  - Fat
  - Acid
  - **S**alt
  - Sweet
- Add herbs and spices to give a "personality" and flavor signature (i.e. Mediterranean, Mexican, Asian)

III. Psychosocial Support





...dinding the body: Psychotherapy and cancer survival.

Spiegel D.

Department of Psychiatry & Behavioral Sciences, Stanford University School of Medicine, Stanford, California, USA.

Abstract

OBJECTIVES: This article reviews evidence regarding effects of psychotherapy on overall cancer survival time. Special emphasis is given to research on adverse effects of depression on cancer survival, breast cancer, and medicating psychophysiological pathways linking psychosocial support to longer survival.

DESIGN: It reviews all published clinical trials addressing effects of psychotherapy on cancer survival, emphasizing depression, breast cancer, and psychophysiological evidence linking stress, depression, and support to cancer survival.

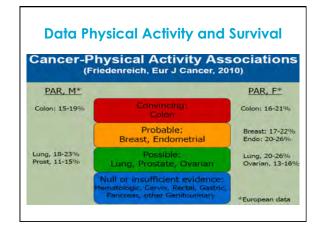
METHODS: Systematic literature review and synthesis.

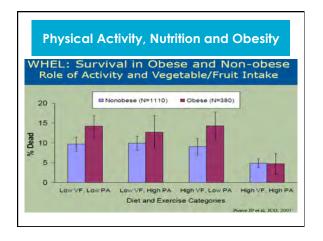
RESULTS: Eight of 15 published trials indicate that psychotherapy enhances cancer survival time. No studies show an adverse effect of psychotherapy on cancer survival. Potential psychophysiological mechanisms Inking stress to shorter survival include dysregulation of diumal cortisol, increased pro-inflammatory cytokines, reduced natural killer cell activity, shorter telomeres and lower telomerase activity, glucocorticoid-mediated suppression of p53 and BrCA1 gene expression, and sympathetic nervous system activation of vascular endothetial growth factor.

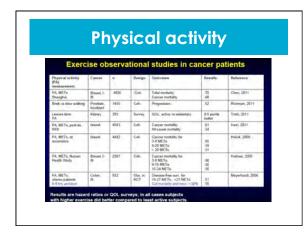
CONCLUSIONS: Stress and support affect the course of cancer progression.

Source: Br. J. Health Psychol., 2013, August 26.

IV. Physical Activity









V. Spiritual Care

### **Research Findings**

- •Religion and spirituality is important to 78% cancer patients. (Alcom et al,
- •Spiritual needs and spiritual seeking found in majority of patients with advanced cancer.
  (Winkelman et al, 2010; Pearce et al, 2012)

- -Spirituality/spiritual wellbeing associated with improved Q of L and psychosocial functioning. (Petit and Balboni, 2013)
- •Health care providers supporting patients' spiritual needs correlated with better satisfaction with care, improved Q of L and psychological/spiritual adjustment and less aggressive care at end of life.

### **Spiritual Assessment Tool**

F: Faith or Beliefs

I: Importance and Influence

C: Community

A: Address

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### Lectio Divina

Listen Reflect Respond Rest



### **Spiritual Exploration**



- Readings
- Journaling
- · Guidance
- Faith Traditions
- Retreats
- Chanting/ Meditative practice

Case Study: Revisited

### **Case presentation**

- 46 year old mother of 2 grade school aged boys diagnosed with stage IV triple negative breast cancer metastatic to a single bone site.
  - Conventional Interventions

    - CONVENTIONAL INTERVENTIONS

      Screening mammogram, ultrasound biopsy, MRI breasts. PET CT scan. Bone biopsy. MRI brain.

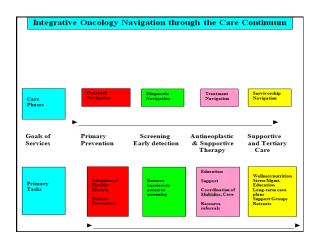
      IV chemotherapy for close to 6 months. Bilateral mastectomy. Radiation to bone met. Continued IV Zometa therapy.

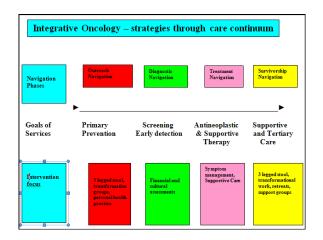
      Continued monitoring of blood work and physical examinations in long term follow up.

      Took high dose antioxidants and herbs during chema and RT and did not tell MD. Missed multiple appointments due to social, family concerns. Did not complete all therapy. Continued Standard American Diet.

      When fatigue set in, slept more often. Developed arm lymphedema. Lost to follow up. Went to faith healer who prescribed home made herbal supplements.







# Guidelines SOCIETY FOR INTEGRATIVE ONCOLOGY Evidence-Based Clinical Practice Guidelines for Integrative Oncology: Complementary Therapies and Botanicals Available at: http://www.integrativeonc.org/index.php/sio-publishes-2009-practice-guidelines

Practical Matters

### **Navigating Responsibly**

Guiding patients through options to make safe, effective choices.

### **Navigating Responsibly**

- STOP: Define Priorities, Boundaries
- LOOK: Investigate Your Options

### **Navigating Responsibly**

- Accessing Information
- Assessing Information

Who

What

When

Why

How

# Guidelines For Advising Patients: Based on Evidence and Efficacy Therapies that may be eccepted: Evidence supports efficacy is inconclusive Evidence indicates inefficacy

# How Does Integrative Oncology Function?

Relationship Centered

in addition to being

Provider and Procedure Centered

# Navigating Responsibly Who, When, Where?

- · Concept of a "Match"
  - Vital to find credible providers
  - Even when credible, may not be a "Match" between provider and patient. Especially important in supportive care intent approaches.



### **Navigating Responsibly**

- STOP: Define Priorities, Boundaries
- LOOK: Investigate Your Options
- · LISTEN: Share selections with your team and trusted individuals

### **Getting Started**

**Envisioning Integration Into Your Navigation Practice** 

### How?

- "I naively believed that if we created the best integrative medicine center within our five hospital centers, that integrative medicine would move laterally through the system. I learned that creating an isolated system is not the way to go. It needs to be a whole cultural transformation. It needs to come from the top, and be propagated through the whole system through education on all fronts.
  - -- Dr. Erminia Guarneri, Founding Director of the Scripps Center for Integrative Medicine

### **Vision and Reality**

#### Challenges

- · Identity Issues
- Resistance
- · Work Setting
- Funding
- Burnout

### Solutions

- Raise Visibility
- Be Reliable Source for CAM
- Cultivate Relationships
  - Referral Sources
  - HealersOther Navigators
- · Live Your Work
  - Setting Intention Self care

### **Becoming a Model for Your Patients**

Integrating wellness practices into your self-care.

### How?

Do you have 10 seconds? Stop. Calm. Rest. Heal.

Begin a daily health practice yourself, with cultivating awareness as the foundation.

Embrace a transformational approach with the support of a group with similar experience (Navigator with Navigator, RN with RN, etc.) led by a facilitator creating safe space.

Develop your practice as a part of a diverse community with similar goals and focus.

Define success as a group and measure it on all levels.

# Sculpting A Vision of Integrative Navigation

### A PRAYER FOR HEALTH

Rabbi Menachem Creditor

God, may my work feel redemptive even when an ocean of need feels like it will pull me down. May I feel supported when I feel alone in my work.

 ${\bf Q}$  God, remind me when I fail that I can learn, and that my life is more than my work.

 $\rm O~God,\,remind~me$  when I succeed that I can learn, and that deep success requires the efforts of many.

May I remember that going home is a crucial part of the dream.

God, help me to remember that I am one of the people I am called by you to serve.

May I feel undivided as I transition from sphere to sphere, a whole person within Your world.



### **THANKS**

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• Carole O'Toole: <a href="mailto:carole@smithcenter.org">carole@smithcenter.org</a>

• Laura Pole: <a href="mailto:lpchef@earthlink.net">lpchef@earthlink.net</a>







## **Access the Handouts**

www.smithcenter.org/pnt

Click on link to Patient Navigation Training

Handouts on far right side bar