

#### Learning Objectives

- 1)Differentiate between integrative medicine and alternative medicine for cancer patients.
- 2) Describe three evidence-based strategies that may help improve quality of life for individuals affected by cancer.
- 3)Identify appropriate cancer patients/survivors who may benefit from an integrative and lifestyle medicine consultation.
- 4)State the process for making a referral through the Comprehensive Cancer Support Program (CCSP).

2



What is the difference between integrative medicine for oncology patients and alternative medicine?





#### INTEGRATIVE ONCOLOGY DEFINED

"Integrative oncology is a patient-centered, evidence-informed field of cancer care that utilizes mind and body practices, natural products, and/or lifestyle modifications from different traditions alongside conventional cancer treatments. Integrative oncology aims to optimize health, quality of life, and clinical outcomes across the cancer care continuum and to empower people to prevent cancer and become active participants before, during, and beyond cancer treatment."

5

## CANCER SURVIVORS AND CAM USE

- Studies vary widely in reports of CAM use among cancer survivors. One study reported up to 91% used at least one modality during treatment. Another reported up to 75% among those who were posttreatment.
- Most studies have been among individuals with breast and prostate cancers.
- Approximately 30% of patients don't share their use of CAM with their providers.
- Characteristics of individuals most frequently reporting use of CAM: females, younger vs. older adults, individuals with bigher income and bigher adults.

## COMMON REASONS FOR CAM USE AMONG CANCER SURVIVORS

- 1. To improve general well-being
- 2. To treat side effects of the cancer or cancer treatments
- 3. Prevent recurrence or spread of cancer
- 4. Increase the body's ability to fight cance
- 5. Prevent other non-cancer diseases

7

### ► Acupuncture

- Energy Modalities
- Mind-Body Therapies
- ►Movement Therapies
- Nutrition and Supplements
- ▶ Spirituality

INTEGRATIVE MEDICINE APPROACHES





Two Medical Acupuncturists:

- Wunian Chen, MD Appointments can be made through the UNC Family Medicine Department at 984-974-0210.
- Paul Thananopavarn, MD Appointments can be made through the UNC Department of Physical Medicine and Rehabilitation at 984-974-9747.
  Cost: \$105 first visit and \$80 for return visits

11









# Study Pesu

- Fleisher et al., (2014) found that among 213 cancer patients receiving Reiki, there was a greater than 50% reduction in selfreported distress, anxiety, depression, pain, and fatigue.
- An RCT of 110 presurgical breast cancer patients found a decreast in anxiety and improvements in mood in the Reiki group (Chirco et al. 2017).





# STRESS AND CANCE

- Both positive and negative thoughts affect our health.
- Chronic stress is associated with worse cancer outcomes.
- Approximately 10-15% of cancer survivors suffer from some type of clinical mood disorder such as depression and/or anxiety during or following treatment.
- Addressing stress through mental health counseling, meditation, and/or exercise such as yoga could be vital to well-being and longevity.



# 16

## MIND-BODY THERAPIES

- Guided Imagery the use of a mental picture, thought or feeling of some desired outcome or of a place that typically provides a sense of calm and relaxation.
- Hypnosis –mental imagery and suggestive words are used to help create a state of deep relaxation.
- Meditation involves very focused concentration on an image, a word, the breath, or an external object to distract the mind leading to a relaxed state.
- Relaxation/breathing Techniques the use of abdominal breathing, muscle relaxation, and simple imagery.









In a systematic review and metaanalysis by Hall et al. (2018),19 studies, which were focused on fear of recurrence, found that many different forms of mind-body interventions significantly reduced distress among a wide range of cancer patient populations.



















## MOVEMENT THERAPIES

Exercise – Review of 66 studies, conducted both during and post treatment **Results**: The majority revealed significant improvements in cardiorespiratory function, body strength, body weight, functional quality of life, anxiety, mood, selfesteem, and on general symptoms and side effects, such as pain and lymphedema.

seistance training – Review of 15 studies during and osof-treatment. **Results**: Large improvements were ound for muscular strength and endurance, physical unction, falique and on other quality of life measures maller improvements seen in body composition



26





## YOGA

- A recent review (2021) of 7 studies focused on yaga in women with breast cancer undergoing chemotherapy found improvements in QoL, sleep, anxiety, depression and fatigue.
- provements in GoL, sleep, anxiety, depression and fatigue. nother review (2012) of 13 studies addressing yoga and quality filfe outcomes found that 11 reported some significant change a either physical or psychological functioning. Limitations: small ample sizes and only 6 were randomized clinical trials with omparison groups. Averall conclusion, studies suggest that yoga can be beneficial or fatigue and other symptoms, but further research in needed vith more rigorous studies and in more diverse samples.











# NUTRITION AND CANCER



#### FOOD AS MEDICINE predominantly plant-based diet been associated with lower sof some cancers, such as sast and endometrial cancers. The study of a Mediteraneenle diet, high in fruits, vegetables, d whole grains, found a 40% such on in the rick for a certain sof breast cancer among immen who achered to a Med t compared to those who rid t.









# SPIRITURLITY

Labyrinth walking

Interacting with natur



35

# Spirituality and Health Outcomes

- While there may be a lack of scientific evidence indicating that religion or spirituality impacts cancer progression or remission it has been shown to significantly improve adjustment to a cancer diagnosis, symptoms related to the disease and/or treatment, and to overall quality of life.
- Interestingly, one large review of 29 studies (2012) did reveal that individuals with cancer who scored higher on measures of spiritual/religious involvement compared to those with lower scores had higher odds of surviving their cancer.



Presented on May 12, 2021

# INTEGRATIVE AND LIFESTYLE MEDICINE CONSULTATIONS AT LINEBERGER COMPREHENSIVE CANCER CENTER

37

CONSULTATIONS 38

- during active treatments and/or following
- > Consultative visits are typically one hour and are covered by insurance as a medical visit. > For appointments, providers and patients can
- contact Robin Haring 919 966 3494.













"The health of my body, mind, and spirit are related...

...and whomever cares for my health should take that into account."

Astin, J. A, (1998). Why patients use alternative medicine: Results of a national study. *Journal of the American Medical Association*, 279, 1548, 553.

40



41



# **UNC Linebgerger Cancer Network**

- Married, husband with Stage IV cancer; Two children 12 and 15 years of age; financial and marital stress.
- Requested referral for symptom management and overall health and wellness.
- Presented with several symptoms, such as fatigue, bone and joint pain, hot flashes, insomnia, weight gain, depression, cognitive changes, constipation, neuropathy, etc.

43

- 6) Continued counseling through CCSP for depression. Recommended counseling for typik well. Consider an in-person or anline breast cancer support group. Additional suggestions were guided imagery, etc. For spiritual health journaling, especially a gratitude journal, meditation, prayer.





>RT on a randomized clinical trial (RCT) with two monoclonal antibodies.

- ≻Requested a consult to discuss how he could improve his overall health and well-being through diet and supplements.
- >Through the assessment it was also discovered that he was experiencing significant sleep disruption, as well as stress/anxiety around new diagnosis.

46

### Recommendations:

- A predominantly plant-based, anti-inflammatory diet, as opposed to some of the dietary supplements. Okay to drink 1-2 cups of green tea/day.
- 2) Continue with multivitamin, but avoid use of other high dose supplements as they had the potential to interact with his treatment, which could cause an increase in drug levels. Recommended obtaining a Vitamin D level with next blood draw.
- Regular exercise routine with progressive walking and some strengthening exercises
  2-3 times/week to help prevent/reduce treatment-related fatigue.
- hygiene strategies.
- Mindful Moments to learn stress management techniques









