Breast Cancer Survivorship and Lifestyle Medicine

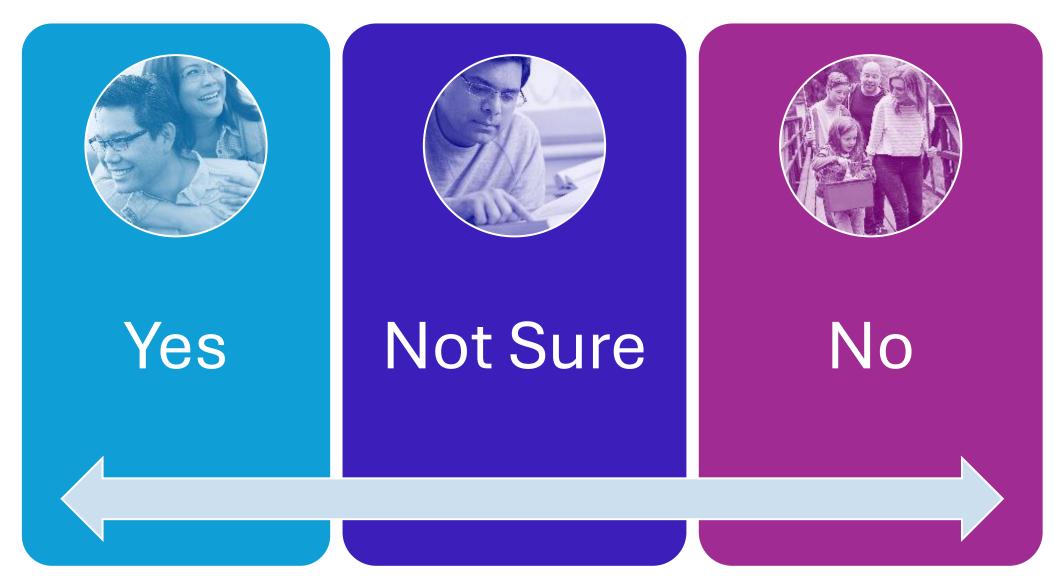
Dr Robin Zwerling Baltrushes

Your Presenter



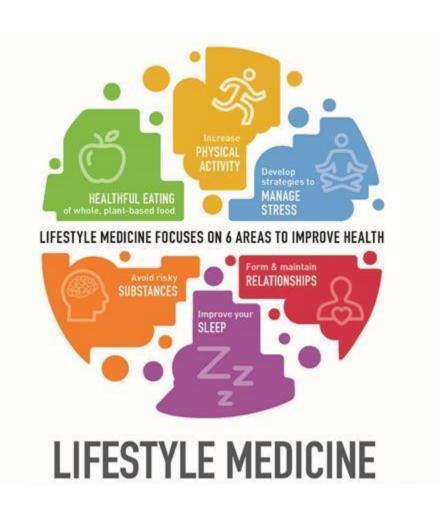
Dr. Robin Zwerling Baltrushes
Breast Surgery Clinic Kaiser East Bay
Breast Cancer Survivorship Provider
Chief of Health Education East Bay
Lifestyle Medicine Medical Director East Bay

Have you heard of Lifestyle Medicine?





Lifestyle Medicine - Definition



Lifestyle medicine is an evidence-based approach to preventing, treating, and even reversing diseases by replacing unhealthy behaviors with positive ones— such as eating healthfully, being physically active, managing stress, avoiding risky substances, adequate sleep, and having a strong support system.



Lifestyle Medicine

- >80% of chronic conditions can be prevented or treated by healthy lifestyle!
 - Diabetes, heart disease (i.e. heart attacks), strokes, high blood pressure, cancer
- Habits start early and can profoundly affect health
- Focus on healthy habits as a family: Everyone can benefit!

Prescription for lifestyle change today versus medication/medical visits tomorrow!

Lifestyle Medicine treats the root cause of disease



Quick Start for Healthy Habits! Set an implementation intention!



When situation X arises, I will Perform Response Y.



For Example: If I get hungry after Dinner, I will take 5 deep breaths and if I am still feeling hungry eat an apple



To activate the habit-forming mechanism, you need a new alternative response rather than a non-response. Then repeat it day after day!

Source: Verplanken B, Wood W. Interventions to break and create consumer habits. J Pub Policy Marketing. 2006;25:90–103.

The Six Pillars of Lifestyle Medicine







Physical Activity

Engaging in regular and consistent physical activity.

Interesting facts



- Only half of adults get the physical activity they need to help reduce and prevent chronic diseases.
- Getting enough physical activity could prevent 1 in 10 premature deaths.

https://www.cdc.gov/physicalactivity/about-physical-activity/why-it-matters.html

- Being active decreases risk for breast cancer.
- Regular physical activity helps regulate hormone levels.
- Reduced risk of disease
- Improved mental health
- Improved fitness and mobility

- Healthier aging
- Stronger bones and muscles

Feel better!





Manage Stress

Incorporating stress-reducing behaviors may be difficult in modern society but is essential for whole-person health.

- Decreases the risk for many types of physical health problems
 Stroke, Type 2 Diabetes, and Heart Disease
- Reduces the risk for mental illness
- Improves sleep
- Supports healthy weight
- Improves resilience





Healthful Eating

Consuming a fiber-filled, nutrient-dense, antioxidant-rich eating pattern based predominantly on a variety of minimally processed vegetables, fruits, whole grains, legumes, nuts and seeds.

Interesting Fact

What percentage of adults meet the daily fruit or vegetable recommendation?



DIETARY SPECTRUM





THE AMERICAN COLLEGE OF LIFESTYLE MEDICINE DIETARY POSITION STATEMENT

ACLM recommends an eating plan based predominantly on a variety of minimally processed vegetables, fruits, whole grains, legumes, nuts and seeds.

WHOLE FOOD PLANT-BASED EATING PLAN

WHAT AMERICA EATS



Increase whole plant foods, fruits, vegetables, whole grains, beans, legumes, nuts, seeds, water

Decrease sweets and snacks, fast food, fried foods, refined grains, refined sugar, meat, dairy, eggs, poultry, high sodium foods

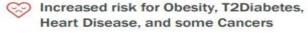


@!

Decreased risk for Obesity, T2Diabetes, Heart Disease, and some Cancers

0

Chronic disease treatment and potential reversal





Poor nutrition is the leading cause of death globally.

What We Eat in America (WWEIA) Food Category analyses for the 2015 Dietary Guidelines Advisory Committee. Estimates based on day 1 dietary recalls from WWEIA, NHANES 2009 2010.

Tuso PJ, Ismail MH, Ha BP, Bartolotto C. Nutritional update for physicians: plant-based diets. Perm J. 2013;17(2):61-66.

Food Planet Health. Eatforum.org. Published 2020. Accessed June 4, 2020



TIPS FOR IMPROVED NUTRITION AND HEALTH

- Any movement toward WFPB eating is positive
- More movement toward a WFPB eating plan increases impact
- Tailored and sustainable approaches are recommended

- Reduces risk for chronic diseases
- Increases the ability to fight diseases
- Helps achieve a healthy weight
- Reduces risk for cancer including breast cancer and breast cancer recurrence
- Prevents nutrient deficiencies
- Improves energy and wellbeing







Avoid Risky Substances

Reducing or eliminating the consumption of or exposure to any substances that cause harm through toxicity, addiction, physical damage, or adverse side effects.

Interesting Fact

16 million Americans

People living with a disease caused by smoking

1 in 10 Deaths

• Drinking is responsible for 1 in 10 deaths among working-age adults

When you quit smoking:

- Your lungs, heart, and circulatory system will begin to function better.
- Less likely to have a heart attack or stroke
- Less likely to develop cancer
- Breathe more easily

When you quit drinking:

- Less likely to hurt yourself or someone else by driving after drinking
- Less likely to injure yourself in a fall
- Less likely to develop cancer, liver damage, immune system disorders and brain damage
- More clear-headed





Relationships

Strengthening and maintaining relationships and connections with others that bring meaning and purpose to life.

Interesting Fact

The lack of strong relationships increases the risk of premature death from all causes by...

50%

- Positive social interactions and relationships reduce the risk of depression and anxiety
- When we feel supported, we can better manage blood pressure and other health conditions







Sleep

Striving for 7-9 hours of highality sleep, allowing the body to reset and recover.

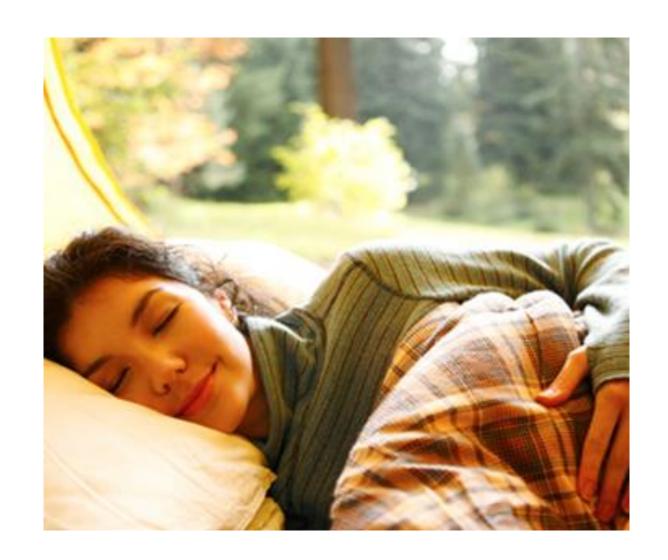
Interesting Facts

Adults who sleep <7 hour/night...

 are more likely to report more chronic conditions compared to those who get 7+ hours of sleep.

 are more likely to report being obese, physically inactive, and current smokers compared to people who get enough sleep.

- More energy
- Better focus and attention
- Better mood
- More resilience
- Better metabolism
- Healthy weight



American Institute for Cancer Research (AICR) Recommendations for Cancer Prevention that overlap directly with Lifestyle Medicine pillars

Eat a Diet Rich in Whole Grains, Vegetables, Fruits and Beans	Limit consumption of sugar- sweetened drinks
Limit consumption of red and processed meat	Limit alcohol consumption
Limit consumption of "fast foods" and other processed foods high in fat/starches/sugars	Be Physically Active



Lifestyle medicine program for patients with breast cancer at Kaiser Permanente Oakland

ASCO Quality Care Symposium San Francisco, CA September 27th, 2024

Abstract ID# 359

Isaac J. Ergas PhD, MPH¹, Robin Zwerling Baltrushes MD,² Jessica M. Dzubnar MD,³ Parastoo Farhady MD⁴ and Veronica Shim MD²

Division of Research, Kaiser Permanente Northern California, 2Kaiser Permanente Oakland Medical Center, 3University of California San Francisco - East Bay, 4Kaiser Permanente Pinole Medical Offices

BACKGROUND

- · Over 4 million breast cancer (BC) survivors live in the United States today1
- · Women with BC are at significantly higher risk of developing cardiometabolic risk factors (obesity, hypertension, and diabetes) and cardiovascular disease compared to women without BC2,3
- Kaiser Permanente East Bay (KPEB) diagnoses between 350-400 patients with BC each year with no clear survivorship program.

OBJECTIVE: To test the feasibility and acceptability of an online group-based lifestyle medicine program in women diagnosed with BC.

METHODS

Design: Quasi-Experimental (Pre-Post) Pilot Study Eligibility: Female patient at KPEB, age ≤ 60, stage I-III BC, completed BC treatment (except endocrine therapy)

Program description (Sep. 29-Nov. 17, 2022):

- 1.8 x 90 min. weekly online group sessions
- 2. Individual counseling sessions

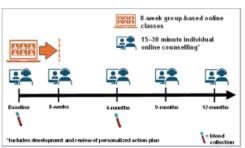


Figure 1. Overview of lifestyle medicine program

Program goals:

- 1. Help BC patients build healthy lifestyle behaviors
- 2. Improvement of overall health

Evidence-based classes were primarily aligned with the American College of Lifestyle Medicine (ACLM) six pillars: whole-food plantbased diet, physical activity, substance use, stress management, social connections and sleep. 4

Additional BC related content: side effects from anti-estrogen medications, sexual and menopausal health.



Figure 2. ACLM six pillars

Table 1. Lifestyle medicine program topicsa,b Week Topic Introduction and building community Goal Setting and physical activity 3 Whole-food plant-based diets Sexual and menopausal health Mindfulness and stress management 5 6 Integrative medicine and substance use 7 Side effects of treatment

aLed by multidisciplinary team (Educators. physicians, nutritionists)

bYoga/cooking classes were offered and participants formed personal groups outside class.

WHAT OUR PATIENTS ARE SAYING

"I am currently on Arimidex and without the support of this class I would have second thoughts about continuing it. With the right support the side effects are manageable but if you only rely on online group chats for support you will think its not worth it. This class gave me the tools I need to stay on the medication and keep hope that the cancer won't come back again."

Restorative sleep

ACKNOWLEDGMENTS: The authors acknowledge Dawn Preisendorf MA, CNC CHWC, Leslie A Dougherty, Gretta C. Corig RD, Susan Wansing, Wendy Beckerman, Benjamin Maring MD, and Lee Hoff NP for their contributions

RESULTS

- 17 of 18 total patients consistently participated in the virtual classes with 90% overall attendance over 8 weeks
- · 90% of attendees were extremely satisfied with the course overall (highest satisfaction on the topic of sexual health/menopause and managing side effects of antiestrogen medications)
- 80% of attendees reported an increased confidence in their ability to apply what they've learned from the course
- On average, patients were metabolically healthy upon entry. LDL improved at 6-month follow-up

Table 2. Blood test results		
Blood Test	Baseline	6-months
	Mean (SD)	Mean (SD)
LDL (mg/dL)	112.7 (32.7)	84.2 (26.1)
Hgba1c (%)	5.8 (0.4)	5.6 (0.4)

CONCLUSION

The KPEB lifestyle medicine pilot program was well-attended, addressed the needs of patients with BC, and demonstrated encouraging results for heart health.

Further research will explore broader and more rigorous application in oncology care.

NIH Grant Submission 10/2024

Clinical application of lifestyle medicine to improve heart health in breast cancer survivors

Breast cancer survivors have an elevated risk of cardiovascular disease, yet scalable interventions to mitigate this risk are limited.

This study aims to evaluate an online group-based Lifestyle Medicine program, focusing on improving cardiometabolic health in women with invasive breast cancer (stages I-III).

We hypothesize that the lifestyle medicine program, which integrates six key lifestyle pillars endorsed by the American College of Lifestyle Medicine —diet, physical activity, avoidance of risky substances, stress management, social connections, and sleep—will lead to significant improvements in cardiovascular health compared to usual care.

Using a randomized controlled trial (RCT), 2,000 participants from Kaiser Permanente Northern California (KPNC) will be enrolled, with assessments at baseline, 3, 6, and 12 months. The study leverages telehealth to enhance accessibility and aligns with the NIH's Telehealth Research in Cancer Care initiative (NOT-CA-24-033). If successful, this LM program could be adopted widely, reducing CVD-related morbidity and mortality in BC survivors.

THANK YOU FOR JOINING US!