

Navigating the changing landscape of early-stage breast cancer

How treatment for early-stage breast cancer has changed



Disclosures

• Consulting activity: Gilead, AstraZeneca, Daichi-Sanko, Novartis, Lily, Beyer, Menarini

Agenda

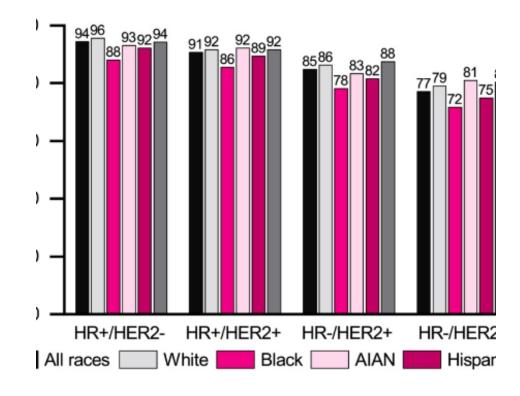
- Overview of new trends in early stage breast cancer
- Hormone receptor positive breast cancer
- Her2 positive breast cancer
- Triple negative breast cancer
- What about Her2 low?
- New approaches in supportive care and symptom management



Overview of new trends in early-stage breast cancer

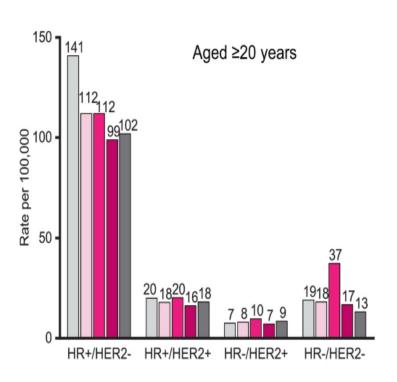
Eary stage /non metastatic breast cancer

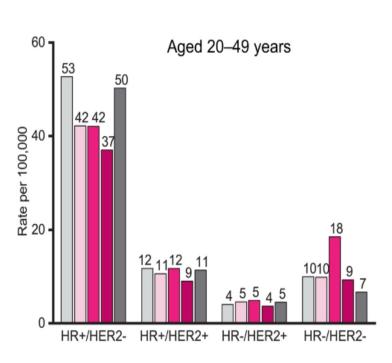
- Stages I-III
- Majority of breast cancers are diagnosed in these stages
- Advances in screening and treatment have improved outcomes

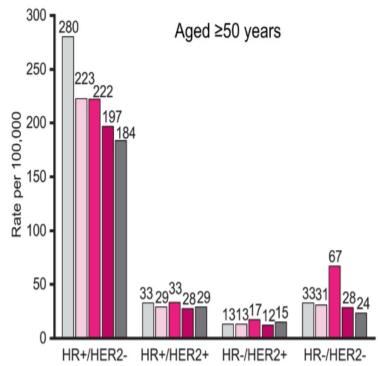


Breast Cancer Statistics, CA: A Cancer Journal for Clinicians, 202

Female breast cancer incidence rates by subtype and race/ethnicity and age

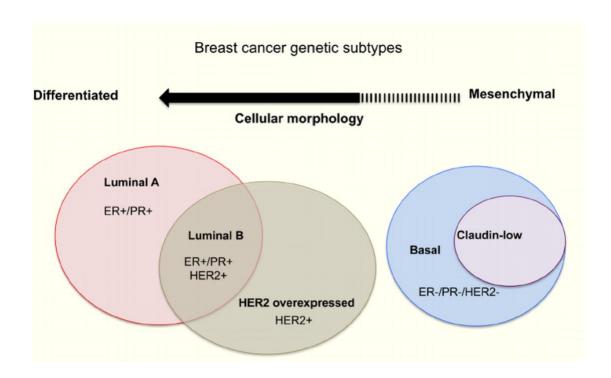








Breast cancer is not one cancer





Hormone receptor positive breast cancer

New trends:



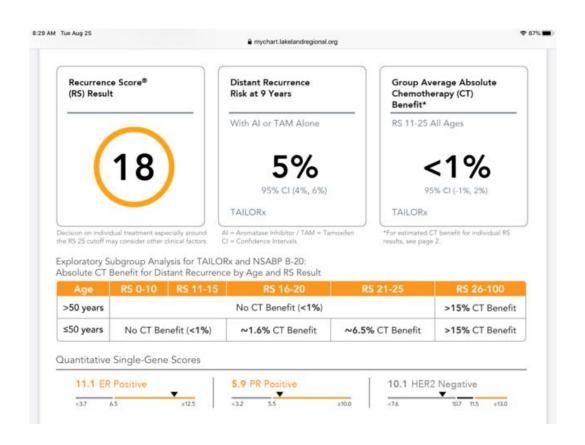






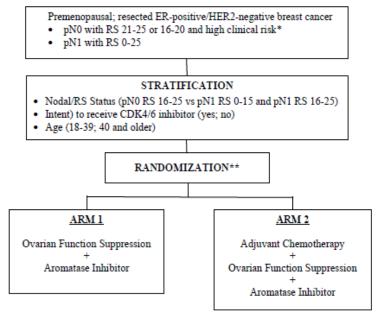
ctDNA/late recurrence studies

Less chemo /no chemo when not needed



- Use of personalized medicine to determine who might not need chemo.
- Oncotype DX or MammaPrint are used to test tumor tissue
- Higher risk tumors are given chemo while lower risk tumors are treated with endocrine therapy plus targeted therapy.
- Has expanded to node positive disease
- Ongoing trial looking at this question in younger women (NRG Ofset study)

Less chemo for premenopausal patient with favorable biology

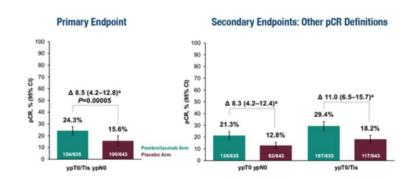


- High clinical risk defined as:
 - 1) low histologic grade with primary tumor size > 3 cm, OR
 - 2) intermediate histologic grade with primary tumor size > 2 cm, OR
 - 3) high histologic grade with primary tumor size > 1 cm
- ** Randomization is 1:1.

Immunotherapy for some HR positive tumors?



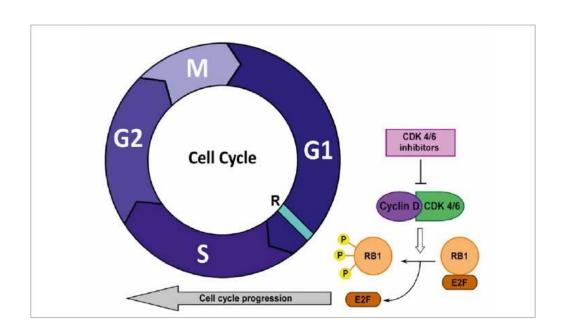
Pathological Complete Response at IA1



- In clinical trials only so far
- In general, many hormonally driven tumors are not responsive to immunotherapy
- But some maybe be more immunogenic (about a third)
- We can use the <u>MammaPrint assay</u> to find High 2 (H2) tumors

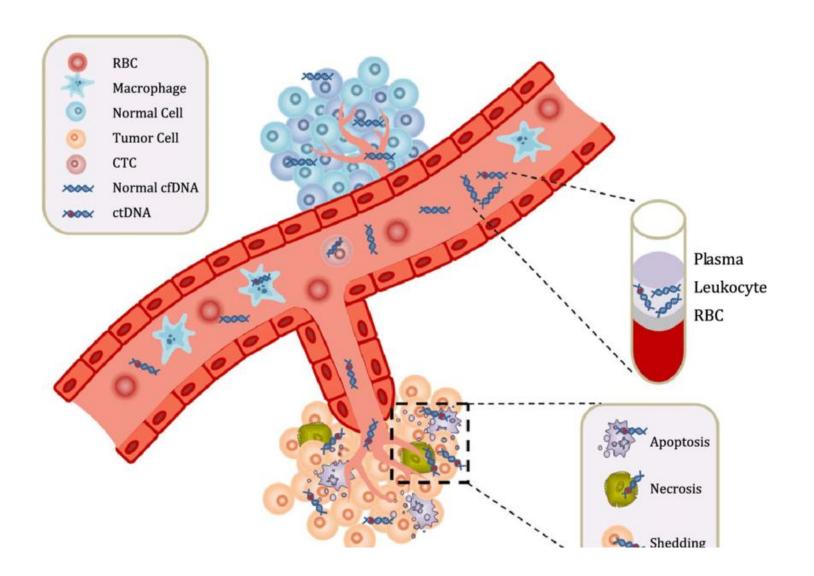
KN 756 study

Helpers of endocrine therapy: CDK 4/6 inhibitors



Verzenio (abemaciclib)

Kisqali
(ribociclib)



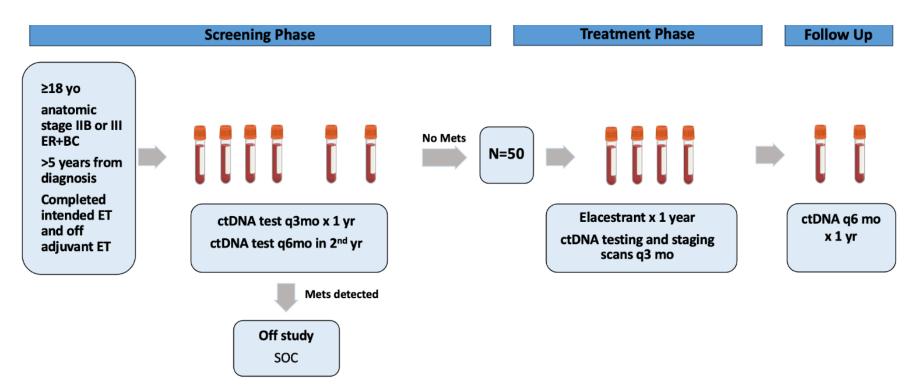
ctDNA/late recurrence studies

- Many patients with early stage breast cancer do well
- However, some can have recurrences years later
- We are trying to understand better way to reduce the risk of this happening.
- Many studies are looking for clues in the blood

TBCRC 068: A single arm phase II trial of <u>circulating tumor DNA-guided adjuvant therapy with elacestrant in ER+HER2-breast cancers at risk for late recurrence (CATE)</u>

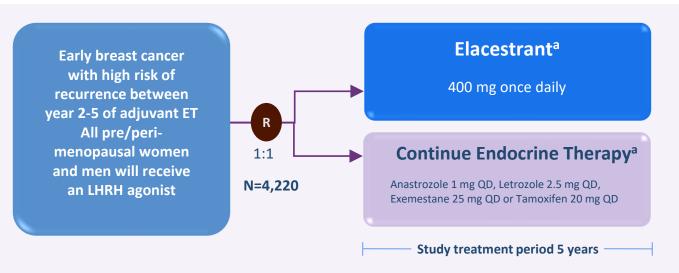
Investigator Team:

Mariya Rozenblit MD, Wei Wei MD PhD, Ian Krop MD PhD, Eric Winer MD, Maryam Lustberg MD MPH Yale University





ELEGANT – A Randomized Phase 3 Study of Elacestrant vs Standard Endocrine Therapy in Patients with Node-positive, Estrogen Receptor-Positive, HER2-Negative, Early Breast Cancer with a High Risk of Recurrence



PHASE 3 OBJECTIVES

Primary objective: Evaluate IBCFS (Invasive breast cancer-free survival)

Secondary objectives: Evaluate DRFS, OS, safety, and PROs-QoL

Stratification Factors:

- Menopausal status: Post-menopausal vs. pre- or perimenopausal
- Prior vs. No prior CDK4/6i in the adjuvant setting
- Time since curative surgery (≤48 mo vs >48 mo)

^aChange in endocrine therapy after randomization in the control arm from an AI to another AI or to tamoxifen is allowed as per investigator's judgment

Long-term follow-up:

- Yearly for safety, survival, and recurrence
- Until end of study (approximately 5 years after last participant randomized)
- Primary objective is to evaluate IBCFS (Invasive breast cancer-free survival) with elacestrant versus SOC endocrine therapy
- · Secondary Objectives are DRFS (distant relapse-free survival), IDFS, OS (overall survival), safety, and PROs-QoL

Comparison of ongoing adjuvant oral SERD trials

			ELEGANT	CAMBRIA-1	EMBER-4	lidERA	CAMBRIA-2	
N			4220	4300	6000	4100	5500	
Intervention			elacestrant	camizestrant	imlunestrant	giredestrant	camizestrant	
Trial design			Switch treatment after 2-5 years of adjuvant ET			Upfront adjuv	Upfront adjuvant treatment	
Prior CDK4/6i exposure allowed			YES	YES	YES	NO	NO	
Disease Stage		T0N1	If grade 3	NO	If grade 3			
	IIA	T1N1	If grade 3	If Grade 3 or genomic high risk or Ki-67 >20% by central lab (includes N1mi)	If grade 3			
		T2N0	NO	NO	If grade 3			
	IIB	T2N1	If grade 3	If ≥2 lymph nodes positive	If tumor size 5.0cm or grade 2			
		T3N0	NO	YES	YES			
	IIIA		YES	YES	YES			
	IIIB	T4N0	NO	YES	If tumor size ≥5cm or 2.1-4.9cm and grade 3			
		T4N1	lf tumor size ≥5cm or grade 3	YES	If tumor size ≥5cm or grade 3 or 2.1-4.9cm and grade 2			
		T4N2	YES	YES	YES			
	IIIC		YES	YES	YES			



Triple negative breast cancer

New trends





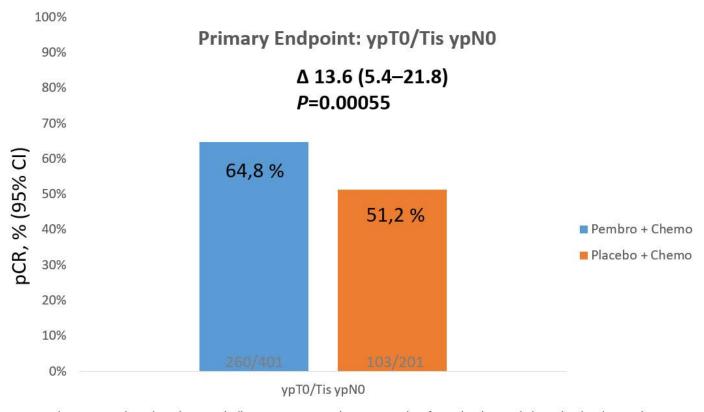




Immunotherapy (Keytruda/pembrolizumab:

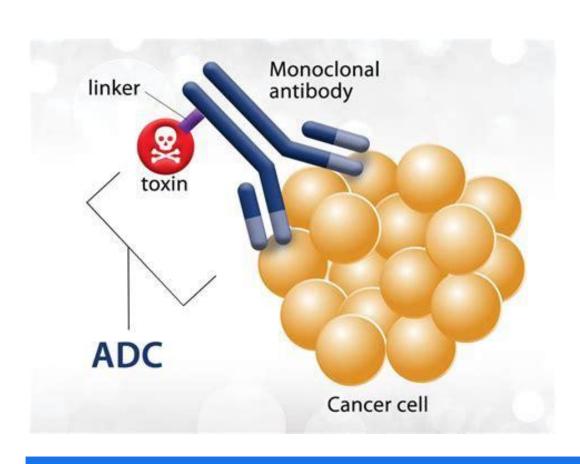
first approvals in breast cancer were in triple negative tumors

Pathological Complete Response at IA1



Adaptiert nach: Schmid, P. et al., "KEYNOTE-522: Phase III study of pembrolizumab (pembro)+ chemotherapy (chemo) vs placebo+ chemo as neoadjuvant therapy followed by pembro vs placebo as adjuvant therapy for triplenegative breast cancer (TNBC)." (2018): TPS602-TPS602.

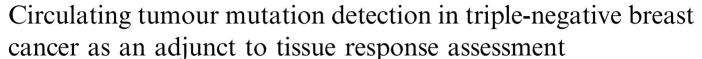
Better drugs: antibody drug conjugates (ADCs)



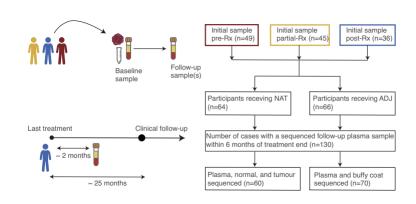
- Using more targeted therapies in patients who do not have a complete response after neoadjuvant chemotherapy
- Several ADCs are being tested in clinical trials for this indications including Trodelvy (Sacituzumab), Sacituzumab-TMT and others

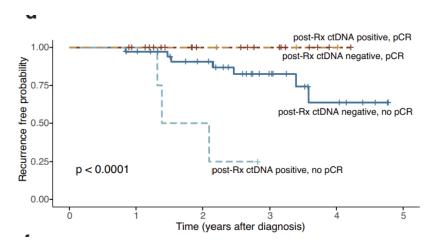
Circulating tumor DNA (CT DNA)

ARTICLE OPEN



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Check for updates

Smarter less harsh treatments

Tumor infiltrating lymphocytes

Anthracycline sparing regimens

Avoiding chemo in very small tumors

Targeted therapies in patients with germline alterations.



Her2 positive breast cancer

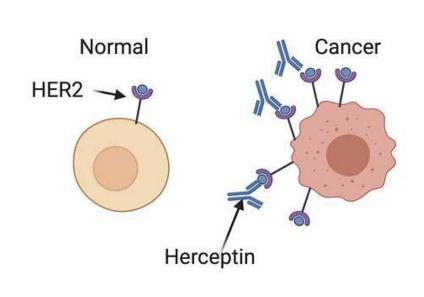
New trends

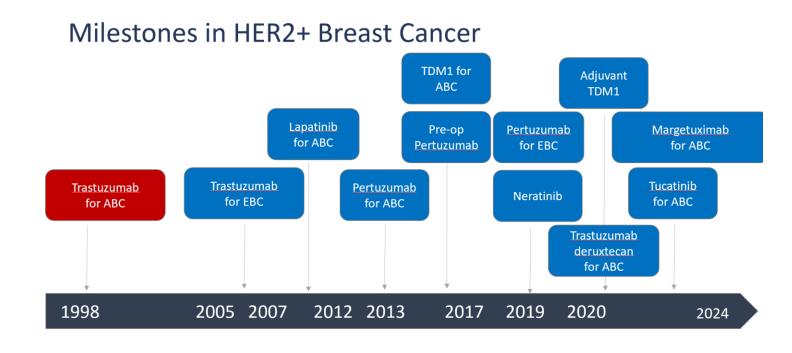
Less is more

Smarter drugs

Protection of brain

Her2 positive breast cancer: a remarkable story of scientific discovery and personalized medicine





Less is more

01

Less anthracyclines

02

Shorter regimens (Taxol plus Hercepin) for stage I 03

Less carbo (Taxane plus Herceptin/Perjeta)

More is more (when needed)

If not a complete response, Kadcyla (TDM-1)

On clinical trial, addition of Tukysa (tucatinib)-COMPASS-RD

New targeted ADC therapies are on the way

DESTINY-Breast11 Trial Shows Enhertu Plus THP Significantly Improves Response Rates in High-Risk HER2-Positive Early Breast Cancer

May 7, 2025 By Davy James



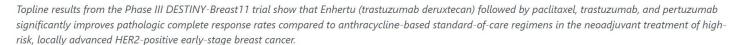






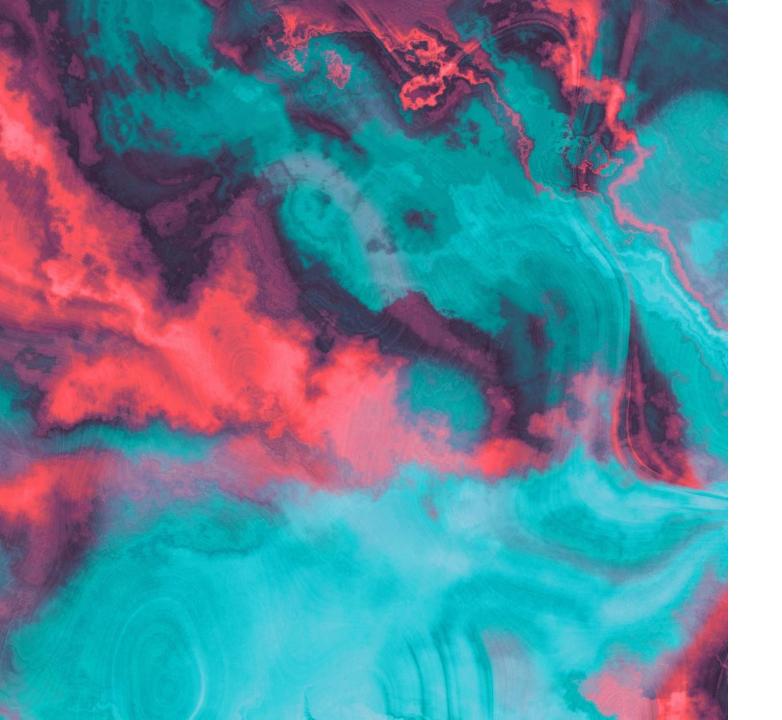






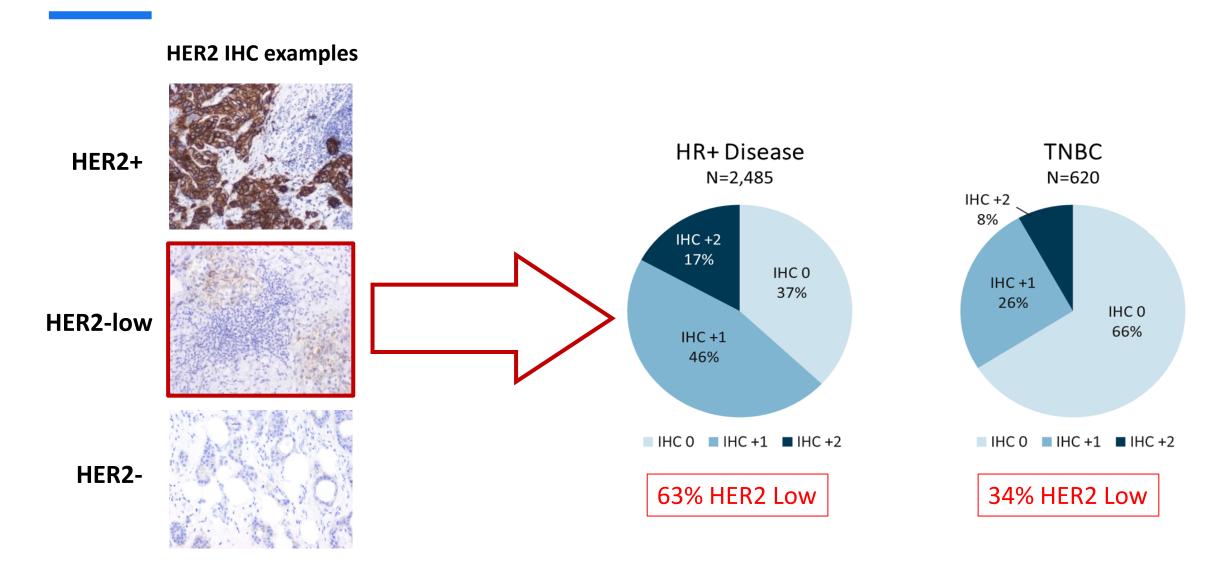
Topline results from the Phase III DESTINY-Breast11 trial (NCT05113251) show that Enhertu (trastuzumab deruxtecan; AstraZeneca and Daiichi Sankyo) followed by standard human epidermal growth factor receptor 2 (HER2)-targeted therapy produced a significant improvement in pathologic complete response (pCR) rates compared to current standard-of-care chemotherapy in patients with high-risk, locally advanced HER2-positive early-stage breast cancer.





What about Her2 low?

Prevalence of HER2-low by HR-status



Her2 low status in early stage breast cancer

- The field is changing
- As of now, Her2 low is not used in routine care for early stage breast cancer
- Important biomarker in metastatic disease
- There are several small clinical trials investigating role of ADCs in Her2 low early stage breast cancer



New approaches in supportive care and symptom management

Newer approaches

Cooling/compression

Mind and body

Acupuncture

Movement/exercise

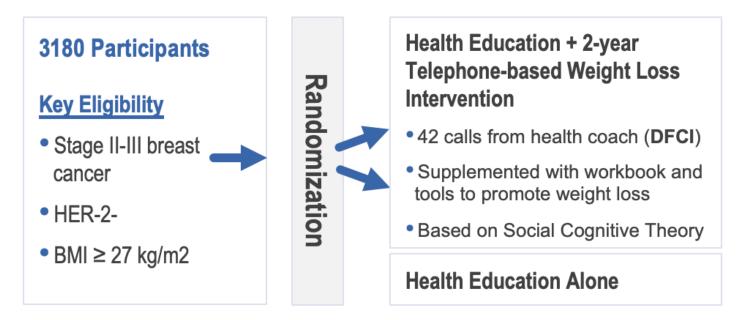
Whole person care



The Breast Cancer Weight Loss Trial



NCT02750826



Primary Outcome: Invasive Disease-Free Survival

MIND-BC

STUDY OF FOOD AND BRAIN HEALTH IN WOMEN BEING TREATED FOR BREAST CANCER

Researchers at Ohio State University are seeking volunteers for a <u>REMOTE</u> study of nutrition and brain health

What Will Happen

- Randomly assigned to virtual 12-week personalized nutrition counseling or health coaching
- · 8 virtual visits over 12-weeks
- · Remote data collection at study start, 3 months, and 9 months
- · Estimated total time commitment of 12 hours over 9 months



Who Can Participate

- · Women newly diagnosed with Breast Cancer
- Age 45 75, postmenopausal
- English Speaking
- · Access to internet connected device

Benefits

- · Free nutrition counseling by registered dietitian nutritionist
- · Free select foods during 12-week nutrition intervention
- Free Fitbit
- · Fully Remote Study (No Travel Required)
- Up to \$60 in gift cards



*Open camera on your phone and aim at the QR code. A box should pop up taking you to the site.

Contact Information:

(614)-247-9270 OrchardResearch@osu.edu





FOOD FOR THOUGHT

STUDY OF FOOD AND BRAIN HEALTH IN WOMEN
BEING TREATED FOR TRIPLE NEGATIVE BREAST CANCER

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ORIGINAL ARTICLE

Smilow Cancer Hospital

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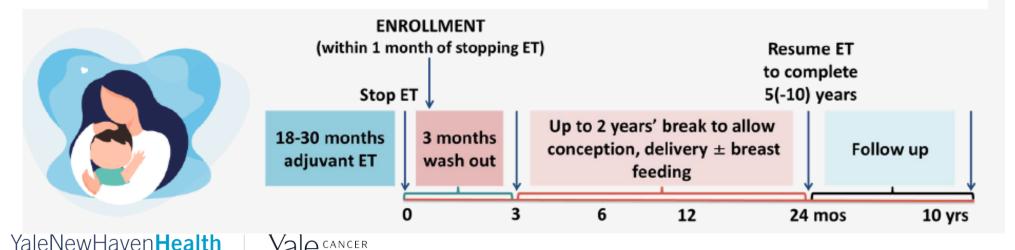
Interrupting Endocrine Therapy to Attempt Pregnancy after Breast Cancer

Authors: Ann H. Partridge, M.D., M.P.H., Samuel M. Niman, M.S., Monica Ruggeri, Fedro A. Peccatori, M.D., Ph.D.

Hatem A. Azim, Jr., M.D., Ph.D., Marco Colleoni, M.D., Cristina Saura, M.D., Ph.D.,

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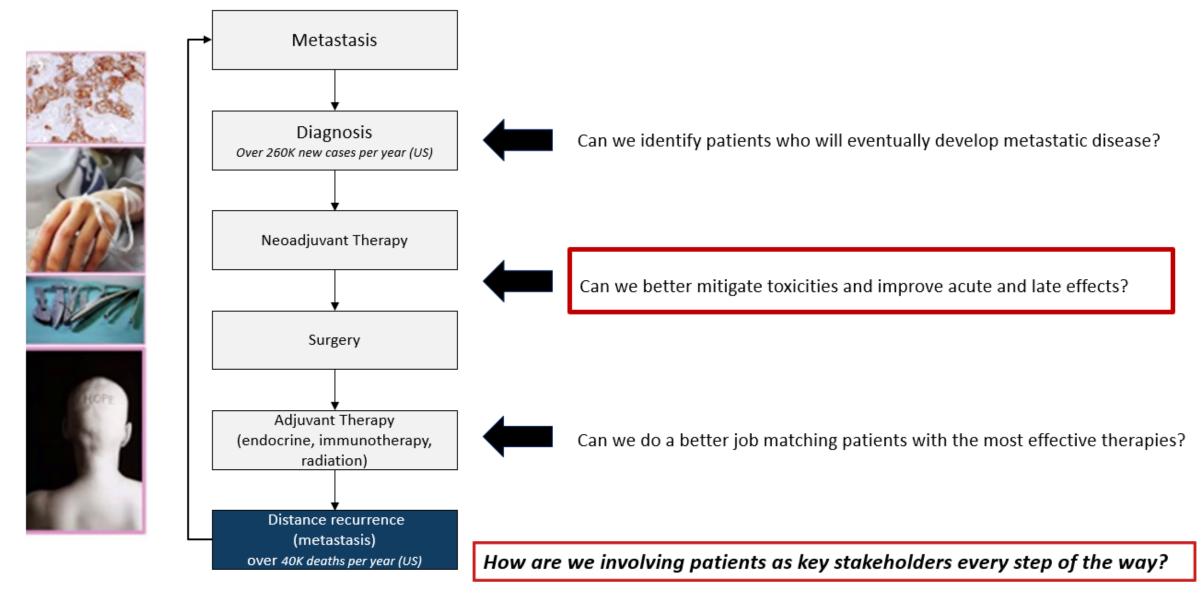


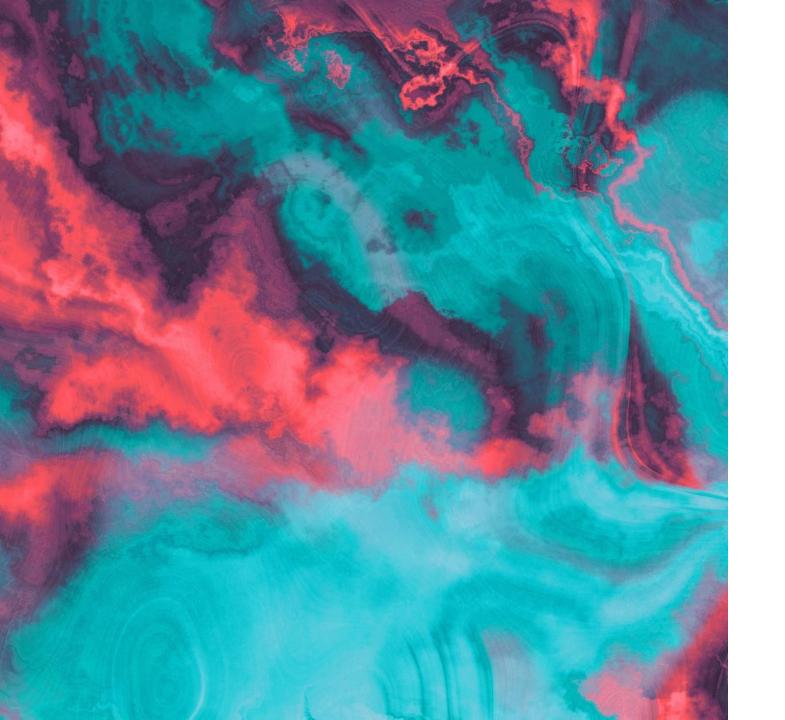


Concluding thoughts

Q&A

Breast Cancer Care: Personalizing Therapies





Thank you!

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