# Meet The Professor Optimizing the Selection and Sequencing of Therapy for Patients with HER2-Positive Breast Cancer

#### Sara M Tolaney, MD, MPH

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Director of Clinical Trials, Breast Oncology
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#### Dr Love — Disclosures

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Planners, scientific staff and independent reviewers for Research To Practice have no relevant conflicts of interest to disclose.



#### **Dr Tolaney — Disclosures**

Consulting Agreements	4D pharma plc, AstraZeneca Pharmaceuticals LP, Athenex, Bristol-Myers Squibb Company, Certara, Chugai Pharmaceutical Co Ltd, CytomX Therapeutics, Daiichi Sankyo Inc, Eisai Inc, Ellipses Pharma, G1 Therapeutics, Genentech, a member of the Roche Group, Gilead Sciences Inc, Immunomedics Inc, Infinity Pharmaceuticals Inc, Kyowa Kirin Co Ltd, Lilly, Merck, Mersana Therapeutics, NanoString Technologies, Nektar, Novartis, Odonate Therapeutics, OncoPep, OncoSec Medical, Pfizer Inc, Puma Biotechnology Inc, Samsung Bioepis, Sanofi Genzyme, Seagen Inc
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Data and Safety Monitoring Board/Committee	Odonate Therapeutics



#### We Encourage Clinicians in Practice to Submit Questions

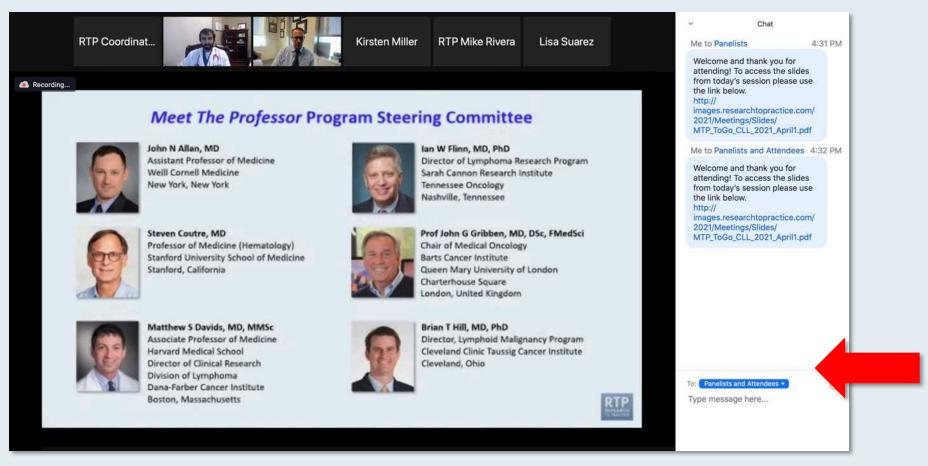


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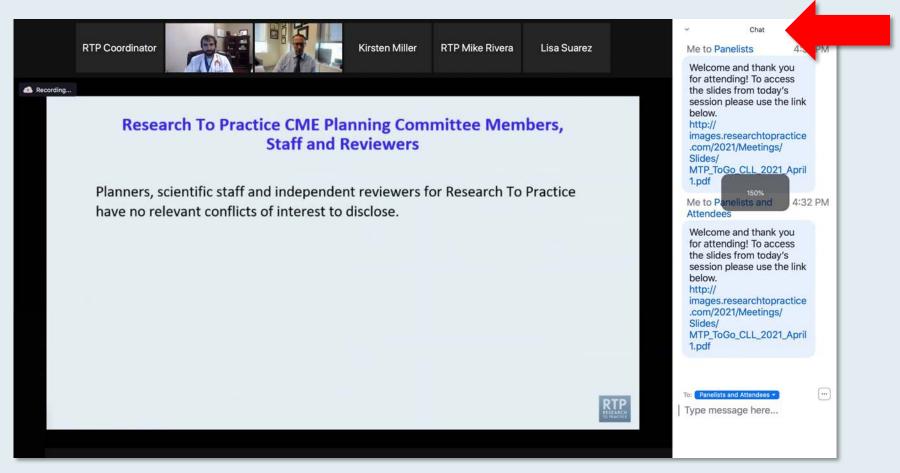


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#### ONCOLOGY TODAY

WITH DR NEIL LOVE

### Key Presentations on Breast Cancer from the 2021 ASCO Annual Meeting



DR SARA TOLANEY
DANA-FARBER CANCER INSTITUTE









#### **Fall Oncology Nursing Series**

A Complimentary NCPD-Accredited Virtual Curriculum

#### **Hodgkin and Non-Hodgkin Lymphomas**

Thursday, September 23, 2021 5:00 PM - 6:00 PM ET

**Faculty** 

John P Leonard, MD Amy Goodrich, CRNP



## Meet The Professor Immunotherapy and Novel Agents in Gynecologic Cancers

Friday, September 24, 2021 12:00 PM – 1:00 PM ET

**Faculty** 

Martee L Hensley, MD, MSc



## Meet The Professor Optimizing the Selection and Sequencing of Therapy for Patients with Advanced Gastrointestinal Cancers

Monday, September 27, 2021 5:00 PM - 6:00 PM ET

**Faculty** 

Zev Wainberg, MD, MSc



# Meet The Professor Optimizing the Selection and Sequencing of Therapy for Patients with Triple-Negative Breast Cancer

Tuesday, September 28, 2021 5:00 PM - 6:00 PM ET

Faculty
Professor Peter Schmid, MD, PhD



## Meet The Professor Optimizing the Clinical Management of Hodgkin and Non-Hodgkin Lymphomas

Wednesday, September 29, 2021 5:00 PM – 6:00 PM ET

Faculty
Brad S Kahl, MD



## Meet The Professor Optimizing the Selection and Sequencing of Therapy for Patients with Renal Cell Carcinoma

Friday, October 1, 2021 12:00 PM – 1:00 PM ET

Faculty
Hans Hammers, MD, PhD



### Identifying, Managing and Mitigating Therapy-Related Adverse Events in Patients with Chronic Lymphocytic Leukemia and Mantle Cell Lymphoma

A CME/MOC-Accredited Virtual Event

Monday, October 4, 2021 5:00 PM – 6:00 PM ET

Faculty
Richard R Furman, MD
Lindsey Roeker, MD

**Consulting Cardiologist Daniel J Lenihan, MD** 



#### Meet The Professor

### Optimizing the Selection and Sequencing of Therapy for Patients with ER-Positive Breast Cancer

Wednesday, October 6, 2021 5:00 PM - 6:00 PM ET

Faculty
Virginia Kaklamani, MD, DSc



#### Thank you for joining us!

CME and MOC credit information will be emailed to each participant within 5 business days.



# Meet The Professor Optimizing the Selection and Sequencing of Therapy for Patients with HER2-Positive Breast Cancer

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Professor of Medicine
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Professor of Medicine
David Geffen School of Medicine at UCLA
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Co-Director, Santa Monica-UCLA Outpatient
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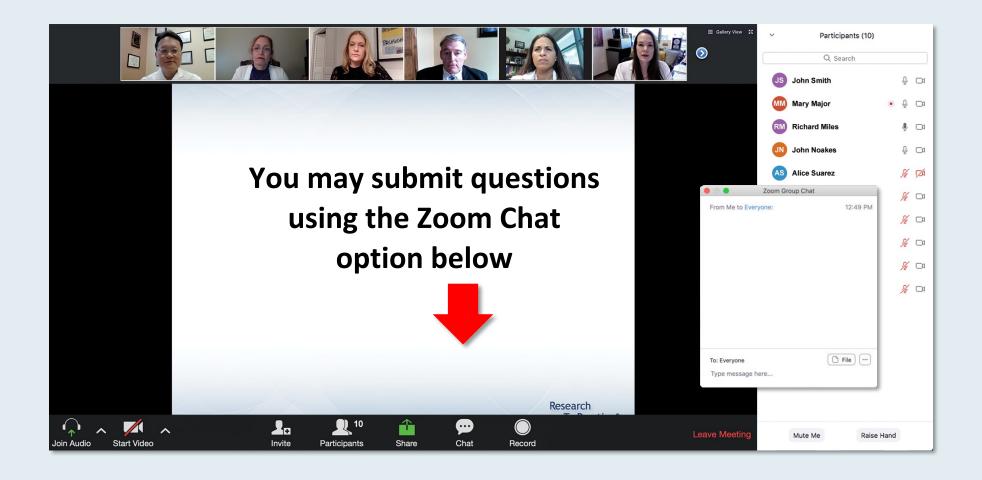
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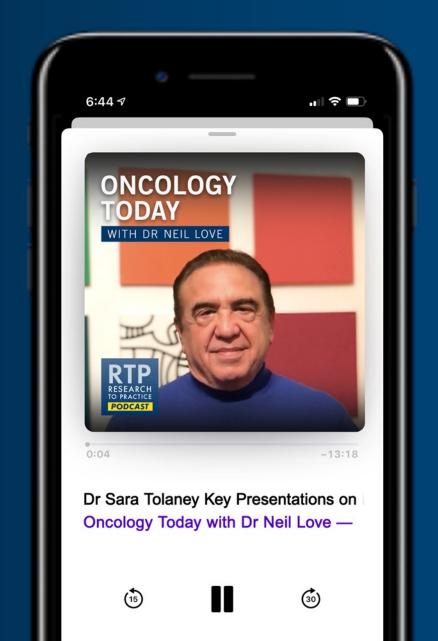


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Kelly Yap, MD
Assistant Clinical Professor
City of Hope
Arcadia, California



#### **Meet The Professor with Dr Tolaney**

**Introduction: DESTINY-Breast03** 

**MODULE 1: Case Presentations** 

- Dr Favaro: A 52-year-old woman with ER/PR-negative, HER2-positive breast cancer with bone, lung, liver and brain metastases
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**MODULE 4: Key Data Sets** 



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### Trastuzumab Deruxtecan Significantly Improved PFS Over T-DM1 for HER2-Positive Metastatic Breast Cancer Press Release – August 9, 2021

"Trastuzumab deruxtecan demonstrated superior progression-free survival (PFS) outcomes over trastuzumab emtansine (T-DM1) in patients with HER2-positive metastatic breast cancer, based on the phase 3 DESTINY-Breast03 trial (NCT03529110). The study's planned interim analysis identified a statistically significant and clinically meaningful improvement in the primary end point of PFS as assessed by an Independent Data Monitoring Committee (IDMC) for patients with HER2-positive, unresectable and/or metastatic breast cancer who received prior treatment with trastuzumab and a taxane.

Approximately 500 patients were enrolled in the DESTINY-Breast03 trial, who were randomized to either the experimental trastuzumab deruxtecan arm or the comparator T-DM1 arm. The primary end point was PFS assessed by IDMC, with secondary end points including overall survival (OS), objective response rate (ORR), duration of response, and PFS based on investigator assessment.

While patients treated with trastuzumab deruxtecan trended toward OS improvement, the data were immature. Furthermore, the safety profile was consistent with previously reported data regarding trastuzumab deruxtecan, with no new safety signals or grade 4/5 treatment-related interstitial lung disease events observed."





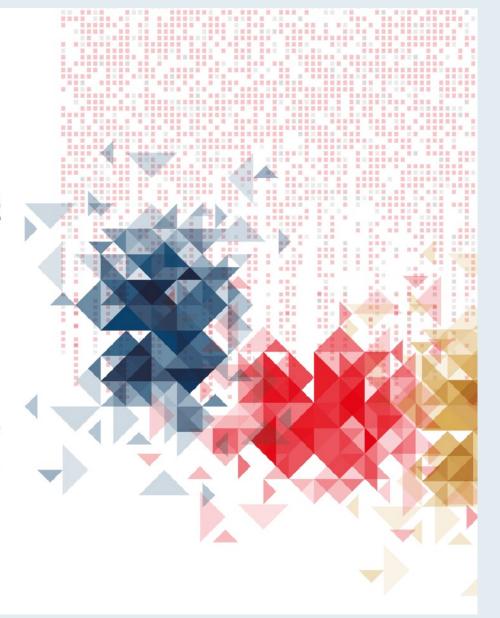




### Trastuzumab Deruxtecan (T-DXd) vs Trastuzumab Emtansine (T-DM1) in Patients With HER2+ Metastatic Breast Cancer: Results of the Randomized, Phase 3 Study DESTINY-Breast03

Javier Cortés, MD<sup>a</sup>, Sung-Bae Kim, Wei-Pang Chung, Seock-Ah Im, Yeon Hee Park, Roberto Hegg, Min-Hwan Kim, Ling-Ming Tseng, Vanessa Petry, Chi-Feng Chung, Hiroji Iwata, Erika Hamilton, Giuseppe Curigliano, Binghe Xu, Caleb Lee, Yali Liu, Jillian Cathcart, Emarjola Bako, Sunil Verma, Sara Hurvitz On behalf of the DESTINY-Breast03 investigators

<sup>a</sup>Medical Oncology, International Breast Cancer Center (IBCC), Quironsalud Group, and Vall d'Hebron Institute of Oncology (VHIO), Barcelona, Spain; Universidad Europea de Madrid, Faculty of Biomedical and Health Sciences, Department of Medicine, Madrid, Spain.







### **DESTINY-Breast03 Phase III Trial Schema**

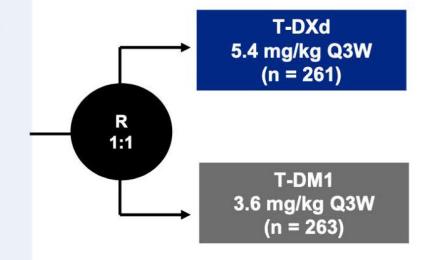
### An open-label, multicenter study (NCT03529110)

#### **Patients**

- Unresectable or metastatic HER2-positive<sup>a</sup> breast cancer
- Previously treated with trastuzumab and taxane in advanced/metastatic setting<sup>b</sup>
- Could have clinically stable, treated brain metastases

#### Stratification factors

- Hormone receptor status
- Prior treatment with pertuzumab
- History of visceral disease



### **Primary endpoint**

PFS (BICR)

### **Key secondary endpoint**

OS

### **Secondary endpoints**

- ORR (BICR and investigator)
- DOR (BICR)
- PFS (investigator)
- Safety

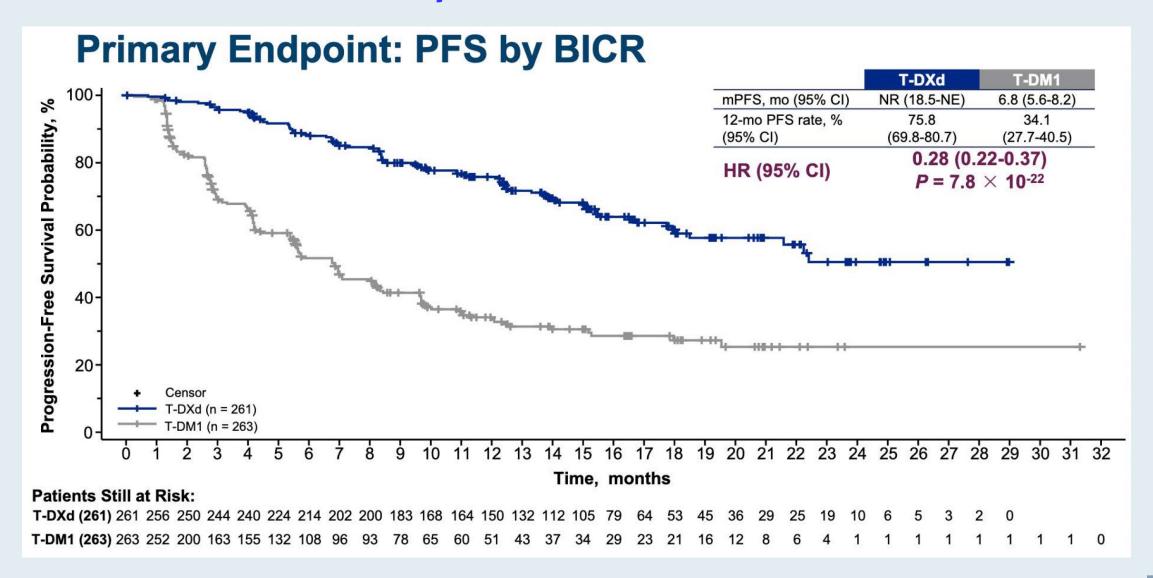
#### Interim analysis for PFS (data cutoff: May 21, 2021)

- Efficacy boundary for superiority: P < 0.000204 (based on 245 events)</li>
- IDMC recommendation to unblind study (July 30, 2021)

Key secondary endpoint, OS: boundary for efficacy: P < 0.000265 (based on 86 events)

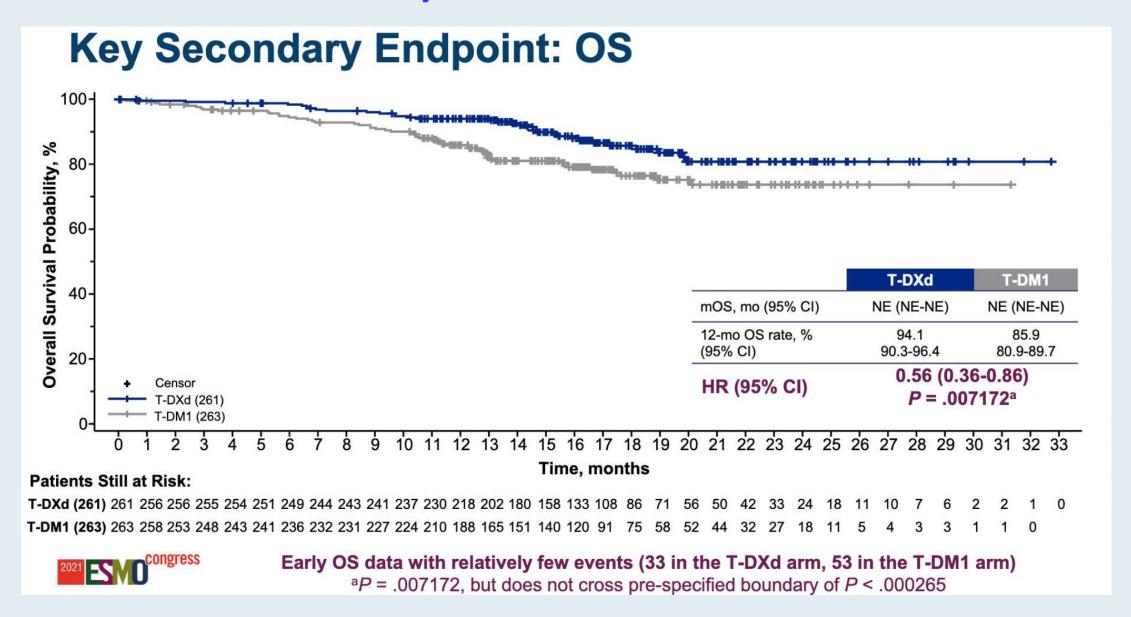


### **DESTINY-Breast03: PFS by BICR**





## **DESTINY-Breast03: OS by BICR**





## **DESTINY-Breast03: Adverse Events of Special Interest**

Adjudicated as drug-related ILD/pneumonitis <sup>a</sup> , n (%)									
n (%)	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Any Grade			
T-DXd (n = 257)	7 (2.7)	18 (7.0)	2 (0.8)	0	0	27 (10.5)			
T-DM1 (n = 261)	4 (1.5)	1 (0.4)	0	0	0	5 (1.9)			

There were no grade 4 or 5 adjudicated drug-related ILD/pneumonitis events observed with T-DXd

LVEF decrease, n (%)									
n (%)	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Any Grade			
T-DXd (n = 257)	1 (0.4)b	6 (2.3) <sup>c</sup>	0	0	0	7 (2.7)			
T-DM1 (n = 261)	0	1 (0.4) <sup>c</sup>	0	0	0	1 (0.4)			

 In the T-DXd arm, all reported adverse events of LVEF decrease were asymptomatic and no cases of cardiac failure occurred



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# Case Presentation – Dr Favaro: A 52-year-old woman with ER/PR-negative, HER2-positive breast cancer with bone, lung, liver and brain metastases



**Dr Justin Favaro** 

- Docetaxel, trastuzumab and pertuzumab x 6 months → Brain metastases
- Whole brain radiation therapy, T-DM1  $\rightarrow$  CT stable, progression of brain metastases
- Tucatinib, capecitabine, trastuzumab

### Question

• For patients with asymptomatic but progressive brain metastases, would you rely on tucatinib, capecitabine, trastuzumab to treat those brain metastases?



## Case Presentation – Dr Ibrahim: A 74-year-old woman with ER-positive, PR-negative, HER2-positive metastatic breast cancer



**Dr Sulfi Ibrahim** 

- Stage II ER-positive, PR-negative, HER2-positive right breast cancer
- Neoadjuvant TCHP (dose reduced due to toxicity), with residual disease in breast and lymph nodes
- Adjuvant radiation therapy → T-DM1 and letrozole → Develops lung, liver and bone metastases on T-DM1
- Stabilization of right femur due to impeding pathologic fracture
- Biopsy of bone lesion: Weakly ER-positive, HER2 IHC 2+, FISH-negative
- Trastuzumab deruxtecan, with clinical response and good tolerability

### Questions

- How reliable is HER2 testing on a bone lesion?
- Is it reasonable to use trastuzumab deruxtecan in a patient like this who was HER2 positive before, but now has IHC 2+ on a bone lesion, but negative by FISH?



# Case Presentation – Dr Ibrahim: A 74-year-old woman with ER-positive, PR-negative, HER2-positive metastatic breast cancer (continued)



Dr Sulfi Ibrahim

- Stage II ER-positive, PR-negative, HER2-positive right breast cancer
- Neoadjuvant TCHP (dose reduced due to toxicity), with residual disease in breast and lymph nodes
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- Biopsy of bone lesion: Weakly ER-positive, HER2 IHC 2+, FISH-negative
- Trastuzumab deruxtecan, with clinical response and good tolerability



# Case Presentation – Dr Stebel: A 63-year-old woman with 3.5-cm weakly ER/PR-positive, HER2-positive node-negative breast cancer



**Dr Andrea Stebel** 

- Biopsy of <u>right</u> breast mass: Weakly ER/PR-positive, HER2-positive
- Neoadjuvant TCHP recommended
  - Mother died of breast cancer but patient attributes her death to the toxicity of chemotherapy
- Patient sought second opinion of Dr Stebel and team
- COVID vaccine on <u>right</u> side → Pre-surgery MRI: subcentimeter node in the <u>right</u> axilla
- Surgeon insists on biopsying the node: "reactive"



## Case Presentation – Dr Partridge: A 40-year-old woman with localized ER-negative, HER2-positive breast cancer



Dr Ann Partridge

- Diagnosed with Grade 3 IDC with associated DCIS, ER negative/PR negative,
   HER2 positive 3+ by IHC
- Node-negative
- Enrolled in phase II MARGOT trial and received neoadjuvant paclitaxel with pertuzumab and margetuximab
- Bilateral mastectomies and left-sided SLNB revealed a pCR to treatment (RCB 0) with only residual high grade ER positive DCIS
- Restarted margetuximab/pertuzumab to complete a full year

### Questions

 Is it appropriate to think about a de-escalation strategy for neoadjuvant therapy in the HER2-positive setting? Would you be comfortable treating a patient with only paclitaxel, trastuzumab, and pertuzumab, and then if she or he has a pCR only giving pertuzumab and trastuzumab in the adjuvant setting?



## Case Presentation – Dr Yap: A 40-year-old woman with localized ER-positive, HER2-positive breast cancer



**Dr Kelly Yap** 

- Diagnosed with Stage IIIA (cT4bN1M0) breast cancer
- ER 95%/PR 95%/HER2+ breast cancer
- Neoadjuvant TCHP → mastectomy/ALND r → ypT2N1a, RCB-II, ER 90%/PR-negative/ HER2-negative
- Adjuvant T-DM1 and radiation therapy
- Planning for adjuvant AI/OFS

### Questions

- Is there a role for adjuvant neratinib for this patient?
- Given the toxicities associated with neratinib, is there a role for a dose-escalation approach? Do you administer a prophylactic anti-diarrheal agent, and if so, which one?
- If the patient has only minimal residual disease after neoadjuvant TCHP is there a role for T-DM1? Would the benefit of T-DM1 be less?



# Case Presentation – Dr Parsons: A 36-year-old woman with ER/PR-positive, HER2-positive, node-positive inflammatory breast cancer



**Dr Benjamin Parsons** 

- Presents with large area of peau d'orange change on her entire breast
- 9-cm ER/PR-positive, HER2-positive, node-positive breast cancer
- Neoadjuvant AC-THP, with immediate tumor reduction after 1 cycle, but residual disease at surgery

### Questions

- Is TCHP enough therapy for inflammatory breast cancer?
- What strategy would you employ in the adjuvant setting? Would you offer adjuvant neratinib?
- Is there a role for adjuvant abemaciclib in patients with ER-positive, HER2-positive disease?
- If she had a BRCA mutation, would you offer adjuvant olaparib?



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## **Journal Club with Dr Tolaney – Part 1**

- Exman P, Tolaney SM. **HER2-positive metastatic breast cancer: A comprehensive review.** *Clin Adv Hematol Oncol* 2021;19(1):40-50.
- Barroso-Sousa R, Tolaney SM. Clinical development of new antibody-drug conjugates in breast cancer: To infinity and beyond. BioDrugs 2021;35(2):159-74.
- Jackisch C et al. Risk-based decision-making in the treatment of HER2-positive early breast cancer: Recommendations based on the current state of knowledge. Cancer Treat Rev 2021;99:102229.
- Pernas S, Tolaney SM. Management of early-stage human epidermal growth factor receptor
   2-positive breast cancer. JCO Oncol Pract 2021;17(6):320-30.
- Weis LN et al. **Tissue-agnostic drug approvals: How does this apply to patients with breast cancer?** *NPJ Breast Cancer* 2021;7(1):120.
- Tolaney SM et al. Adjuvant trastuzumab emtansine versus paclitaxel in combination with trastuzumab for stage I HER2-positive breast cancer (ATEMPT): A randomized clinical trial.
   J Clin Oncol 2021;39(21):2375-85.

## **Journal Club with Dr Tolaney – Part 2**

- Tolaney SM et al. Phase III study of trastuzumab deruxtecan (T-DXd) with or without
  pertuzumab vs a taxane, trastuzumab and pertuzumab in first-line (1L), human epidermal
  growth factor receptor 2-positive (HER2+) metastatic breast cancer (mBC): DESTINY-Breast09.
  ESMO 2021;Abstract 328TiP.
- Pernas S, Tolaney SM. **Targeting HER2 heterogeneity in early-stage breast cancer.** *Curr Opin Oncol* 2020;32(6):545-54.
- Barroso-Sousa R et al. **Prospective study testing a simplified paclitaxel premedication regimen** in patients with early breast cancer. *Oncologist* 2021;[Online ahead of print].
- Brown JC et al. The effects of a clinic-based weight loss program on health-related quality of life and weight maintenance in cancer survivors: A randomized controlled trial.
   Psychooncology 2021;[Online ahead of print].
- Leone J et al. **Tumor subtypes and survival in male breast cancer.** *Breast Cancer Res Treat* 2021;188(3):695-702.
- Leone JP et al. Survival in male breast cancer (MaBC) over the past three decades.
   ASCO 2021; Abstract 569.



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### **MODULE 2: Journal Club with Dr Tolaney**

**MODULE 3: Beyond the Guidelines** 

**MODULE 4: Key Data Sets** 



## **Management of Metastatic HER2-Positive Breast Cancer**

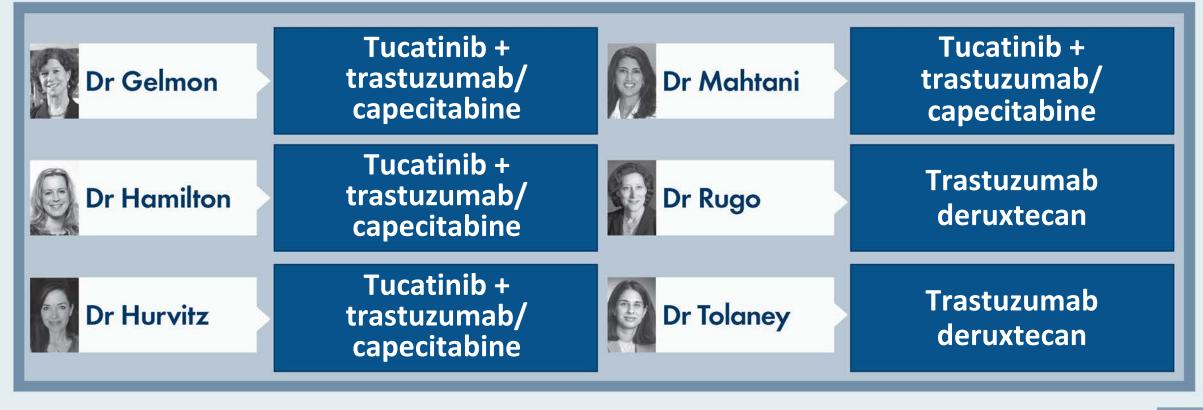


A 65-year-old woman with an <u>ER-negative</u>, HER2-positive IDC experiences disease recurrence in the liver <u>6 months</u> after completing <u>neoadjuvant</u> <u>TCHP followed by adjuvant T-DM1</u>. Regulatory and reimbursement issues aside, what systemic treatment would you recommend?

- 1. Trastuzumab/pertuzumab/docetaxel
- 2. Neratinib + paclitaxel
- 3. Neratinib + capecitabine
- 4. Tucatinib + trastuzumab/capecitabine
- 5. Trastuzumab deruxtecan
- 6. Trastuzumab + capecitabine
- 7. Other



A 65-year-old woman with an <u>ER-negative</u>, HER2-positive IDC experiences disease recurrence in the liver <u>6 months</u> after completing <u>neoadjuvant TCHP followed by adjuvant T-DM1</u>. Regulatory and reimbursement issues aside, what systemic treatment would you recommend?



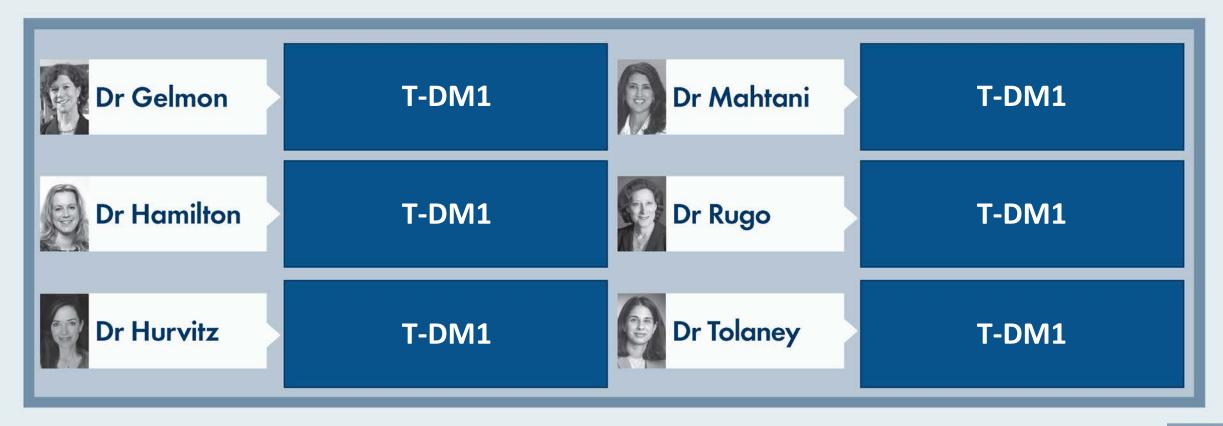


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- 1. Trastuzumab/pertuzumab/docetaxel
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- 6. Trastuzumab deruxtecan
- 7. Trastuzumab + capecitabine
- 8. Other



A 65-year-old woman with an <u>ER-negative</u>, HER2-positive IDC experiences disease recurrence in the liver <u>6 months</u> after completing <u>neoadjuvant TCHP followed by adjuvant</u> <u>trastuzumab/pertuzumab</u>. Regulatory and reimbursement issues aside, what systemic treatment would you recommend?



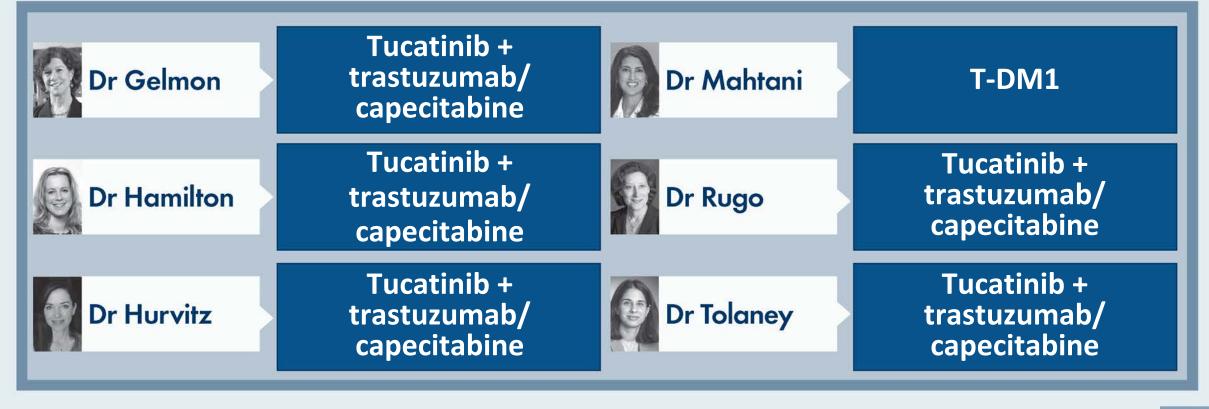


A 65-year-old woman with an <u>ER-negative</u>, HER2-positive IDC experiences disease recurrence in the liver and brain <u>18 months</u> after completing <u>neoadjuvant TCHP followed by adjuvant trastuzumab/pertuzumab</u>. Regulatory and reimbursement issues aside, what systemic treatment would you recommend?

- 1. Trastuzumab/pertuzumab/docetaxel
- 2. T-DM1
- 3. Neratinib + paclitaxel
- 4. Neratinib + capecitabine
- 5. Tucatinib + trastuzumab/capecitabine
- 6. Trastuzumab deruxtecan
- 7. Trastuzumab + capecitabine
- 8. Other

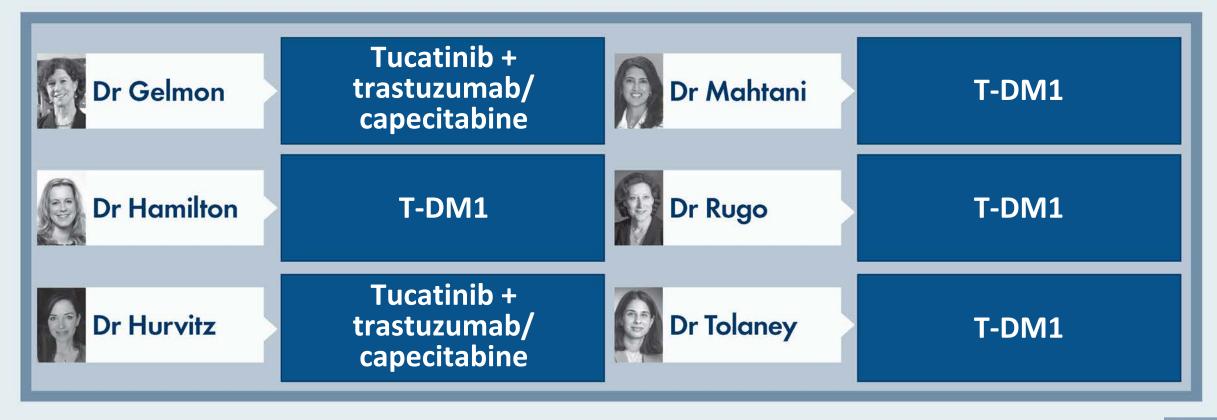


A 65-year-old woman with an <u>ER-negative</u>, HER2-positive IDC experiences disease recurrence in the liver and brain <u>18 months</u> after completing <u>neoadjuvant TCHP followed by adjuvant trastuzumab/pertuzumab</u>. Regulatory and reimbursement issues aside, what systemic treatment would you recommend?



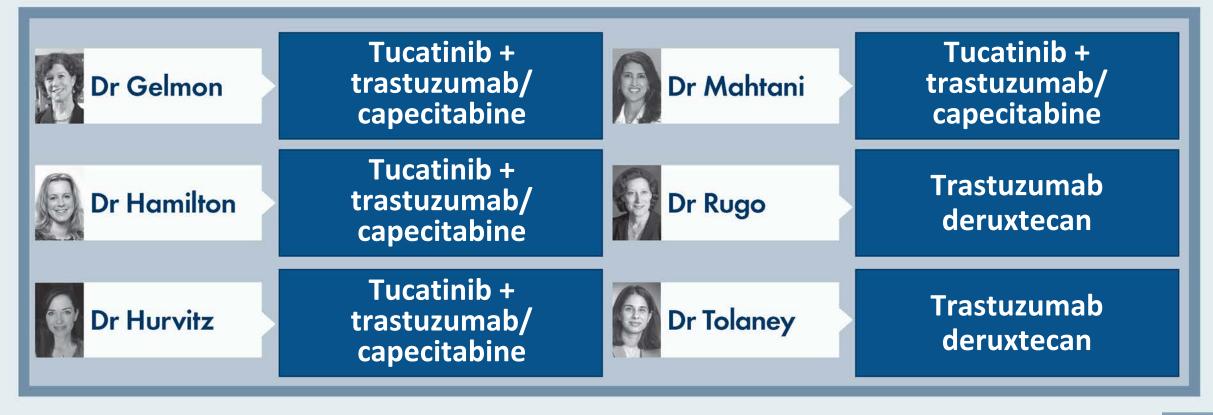


A 65-year-old woman with an ER-positive, HER2-positive IDC experiences recurrence in the liver and brain 18 months after completing neoadjuvant TCHP followed by adjuvant trastuzumab/pertuzumab and postadjuvant neratinib and is receiving adjuvant anastrozole. Regulatory and reimbursement issues aside, what systemic treatment would you recommend?



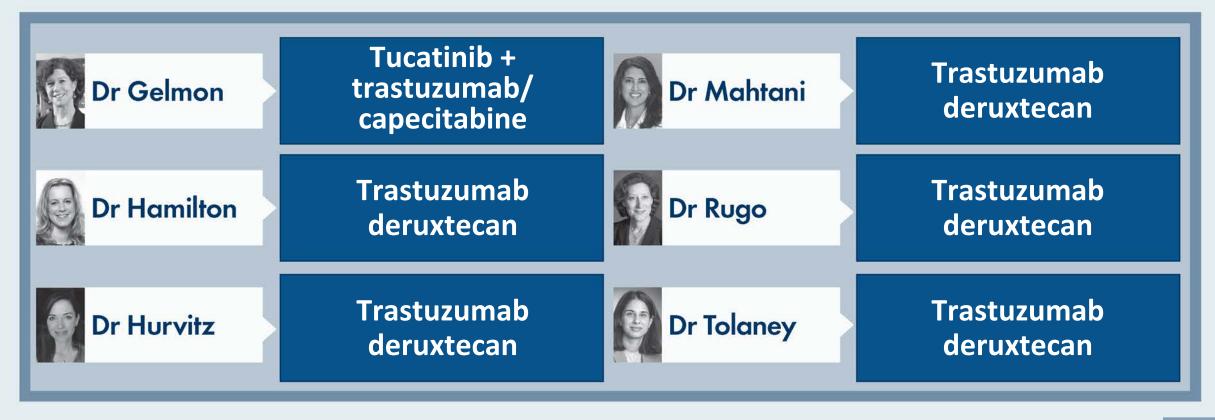


A 65-year-old woman with <u>ER-negative</u>, HER2-positive mBC receives <u>first-line THP followed by second-line T-DM1</u> on disease progression. She now presents with further <u>low-volume</u>, <u>asymptomatic</u> progression but <u>no evidence of CNS involvement</u>. Regulatory and reimbursement issues aside, what systemic treatment would you recommend?



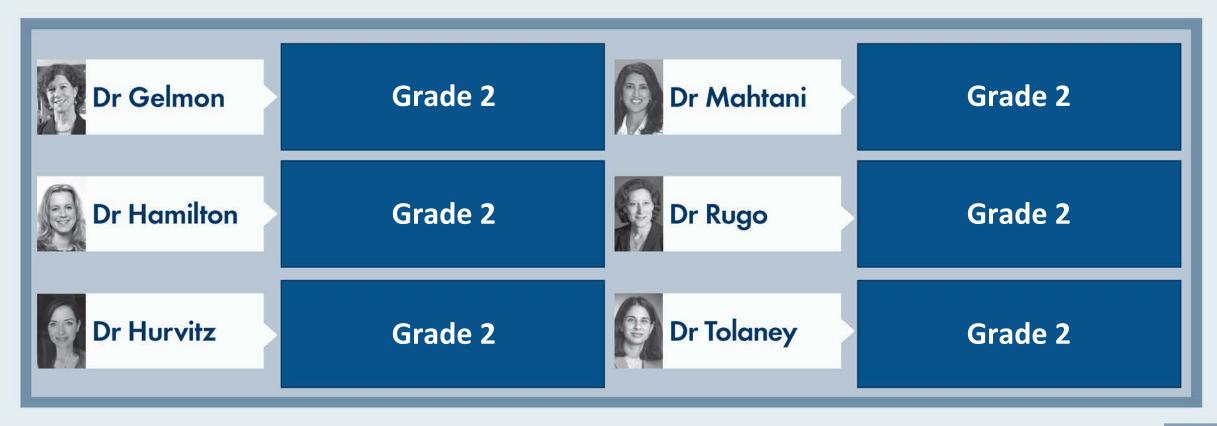


A 65-year-old woman with <u>ER-negative</u>, HER2-positive mBC receives <u>first-line</u> <u>THP followed by second-line T-DM1</u> on disease progression. She now presents with further <u>high-volume</u>, <u>moderately symptomatic</u> progression but <u>no evidence of CNS involvement</u>. Regulatory and reimbursement issues aside, what systemic treatment would you recommend?



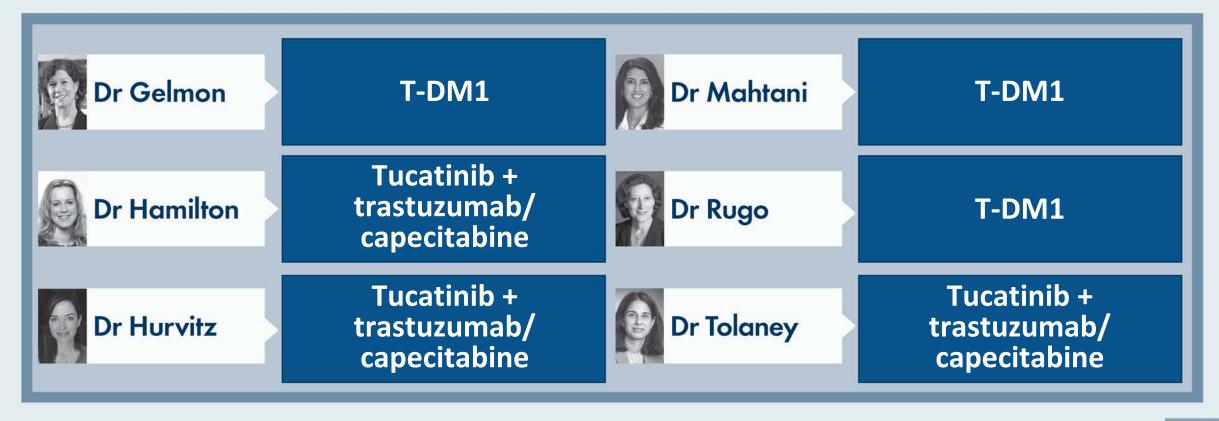


# At what grade of ILD would you permanently discontinue therapy with trastuzumab deruxtecan for a patient with HER2-positive mBC?



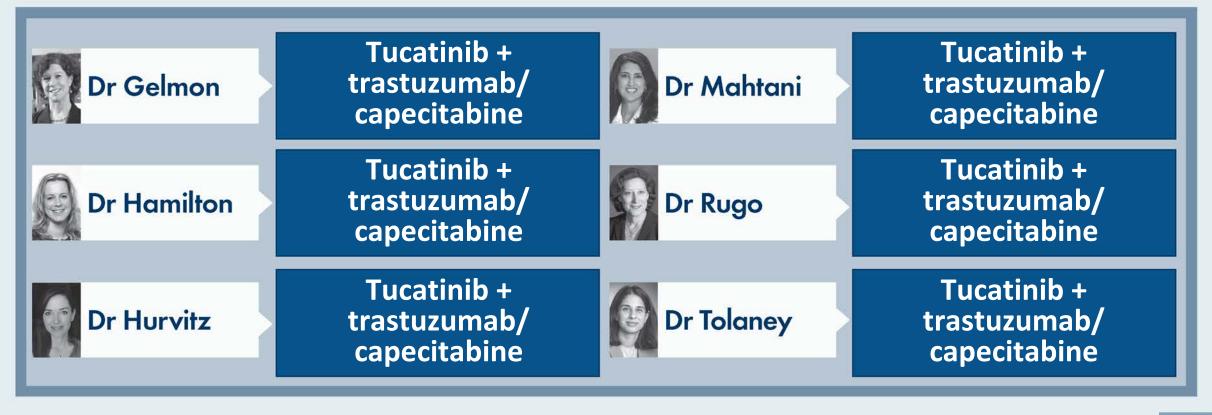


A 65-year-old woman with <u>ER-negative</u>, HER2-positive mBC receives <u>first-line THP</u> but after 1 year experiences disease progression, including <u>1 brain metastasis that is resected</u>. Regulatory and reimbursement issues aside, what systemic treatment would you recommend next?



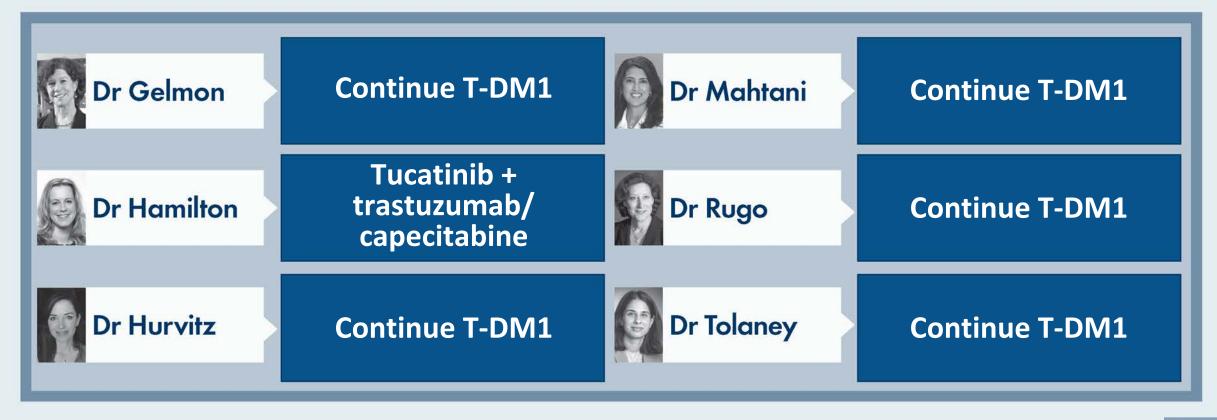


A 65-year-old woman with <u>ER-negative</u>, HER2-positive mBC receives <u>first-line THP</u> but after 1 year experiences disease progression, including <u>multiple brain metastases</u>. Regulatory and reimbursement issues aside, what systemic treatment would you recommend next?



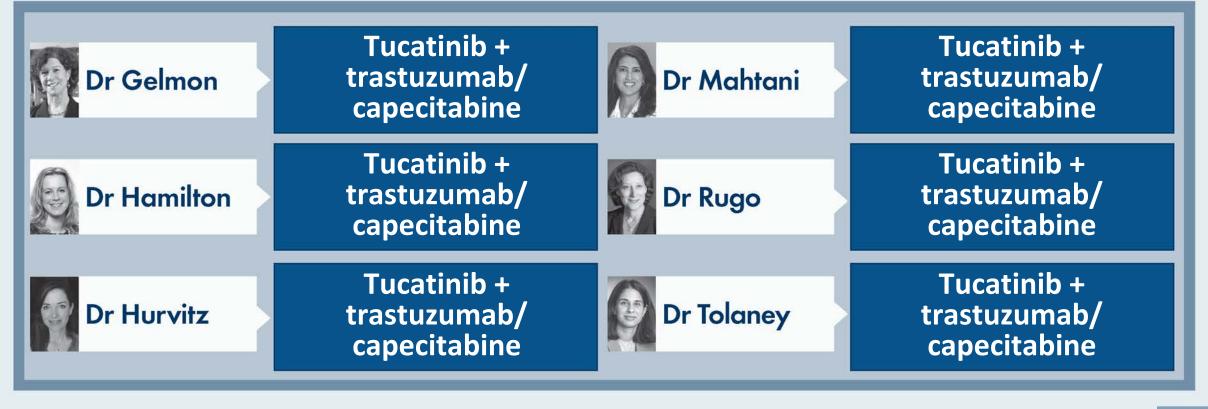


A 65-year-old woman with <u>ER-negative</u>, HER2-positive mBC receives <u>first-line THP followed by second-line T-DM1</u> on disease progression. She now presents with a <u>single brain metastasis that is resected with no other evidence of progression</u>. Regulatory and reimbursement issues aside, what systemic treatment would you recommend?





A 65-year-old woman with <u>ER-negative</u>, HER2-positive mBC receives <u>first-line THP followed by second-line T-DM1</u> on disease progression. She now presents with <u>further disease progression</u>, <u>including multiple new brain metastases</u>. Regulatory and reimbursement issues aside, what systemic treatment would you recommend?





## **Localized HER2-Positive Breast Cancer**

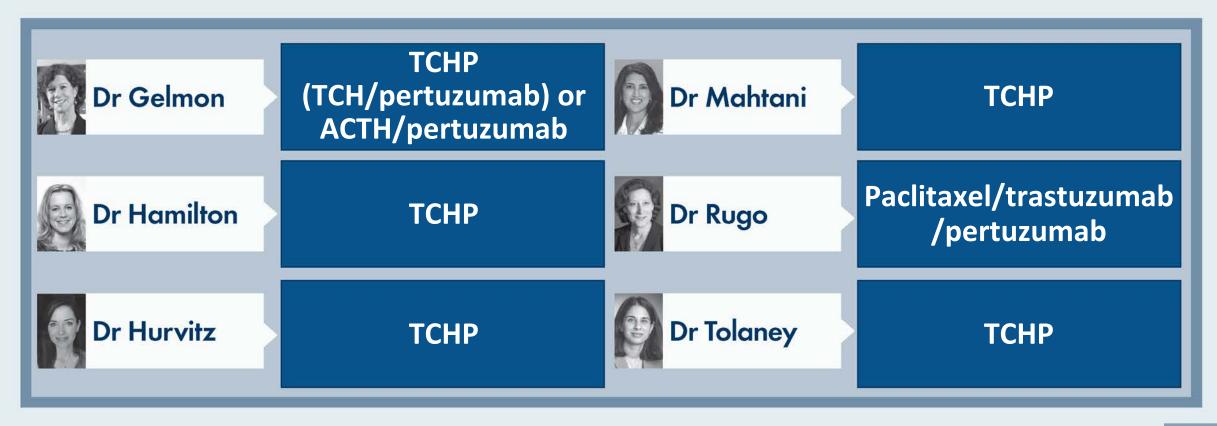


# Which neoadjuvant systemic therapy, if any, would you generally recommend for a 65-year-old patient with a <u>2.5-cm</u> ER-negative, HER2-positive, clinically <u>node-negative</u> IDC?

- 1. None
- 2. TCHP
- 3. TCH
- 4. Paclitaxel/trastuzumab
- 5. Paclitaxel/trastuzumab/pertuzumab
- 6. ACTH
- 7. Other



Which neoadjuvant systemic therapy, if any, would you generally recommend for a 65-year-old patient with a <u>2.5-cm</u> ER-negative, HER2-positive, clinically <u>node-negative</u> IDC?



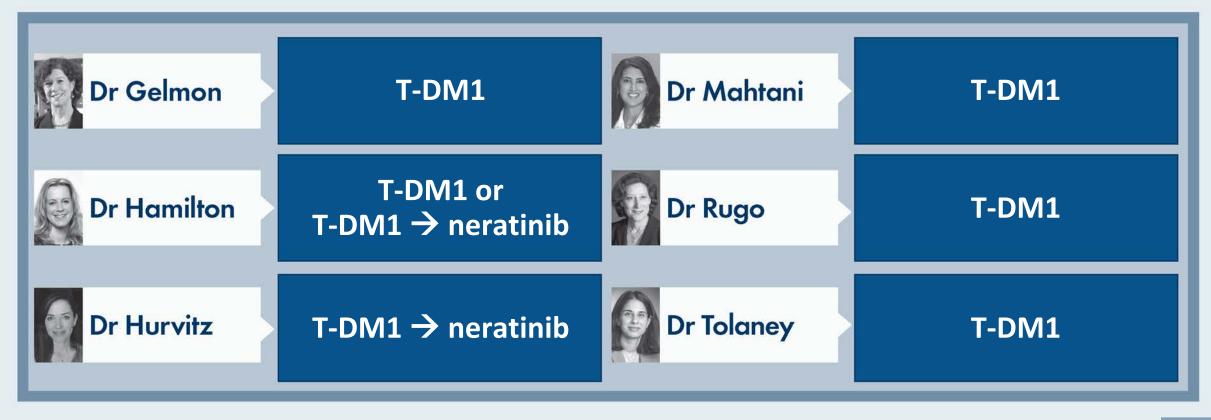


A 65-year-old woman presents with a <u>3.4-cm</u> ER-positive, HER2-positive IDC with <u>biopsy-proven axillary nodes</u>, receives neoadjuvant TCHP and at surgery is found to have <u>0.5 cm of residual tumor</u> in the breast and no disease in the nodes. Regulatory and reimbursement issues aside, what adjuvant anti-HER2 therapy would you recommend?

- 1. Trastuzumab
- 2. Trastuzumab/pertuzumab
- 3. T-DM1
- 4. Trastuzumab → neratinib
- 5. Trastuzumab/pertuzumab → neratinib
- 6. T-DM1  $\rightarrow$  neratinib
- 7. Other



A 65-year-old woman presents with a <u>3.4-cm</u> ER-positive, HER2-positive IDC with <u>biopsy-proven axillary nodes</u>, receives neoadjuvant TCHP and at surgery is found to have <u>0.5 cm of residual tumor</u> in the breast and no disease in the nodes. Regulatory and reimbursement issues aside, what adjuvant anti-HER2 therapy would you recommend?





# **Meet The Professor with Dr Tolaney**

**Introduction: DESTINY-Breast03** 

**MODULE 1: Case Presentations** 

- Dr Favaro: A 52-year-old woman with ER/PR-negative, HER2-positive breast cancer with bone, lung, liver and brain metastases
- Dr Ibrahim: A 74-year-old woman with ER-positive, PR-negative, HER2-positive metastatic breast cancer
- Dr Stebel: A 63-year-old woman with localized 3.5-cm weakly ER/PR-positive, HER2-positive node-negative breast cancer
- Dr Partridge: A 40-year-old woman with localized ER-negative, HER2-positive breast cancer
- Dr Yap: A 40-year-old woman with localized ER-positive, HER2-positive breast cancer
- Dr Parsons: A 36-year-old woman with ER/PR-positive, HER2-positive, node-positive inflammatory breast cancer

**MODULE 2: Journal Club with Dr Tolaney** 

**MODULE 3: Beyond the Guidelines** 

RTP RESEARCH TO PRACTICE

# **Management of Metastatic HER2-Positive Breast Cancer**



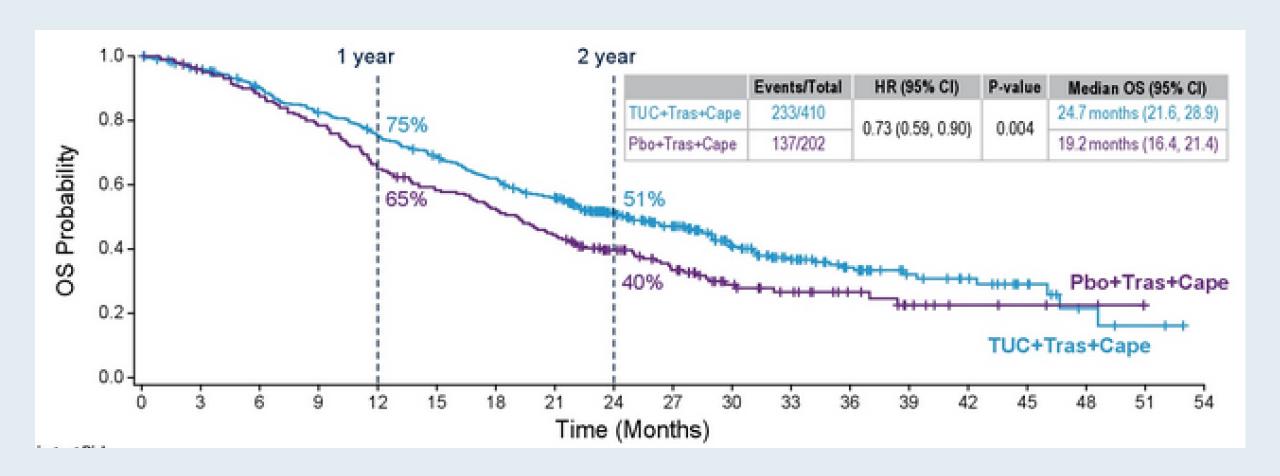
Updated Results of Tucatinib versus Placebo Added to Trastuzumab and Capecitabine for Patients with Pretreated HER2+ Metastatic Breast Cancer with and without Brain Metastases (HER2CLIMB)

Curigliano G et al.

ASCO 2021; Abstract 1043.

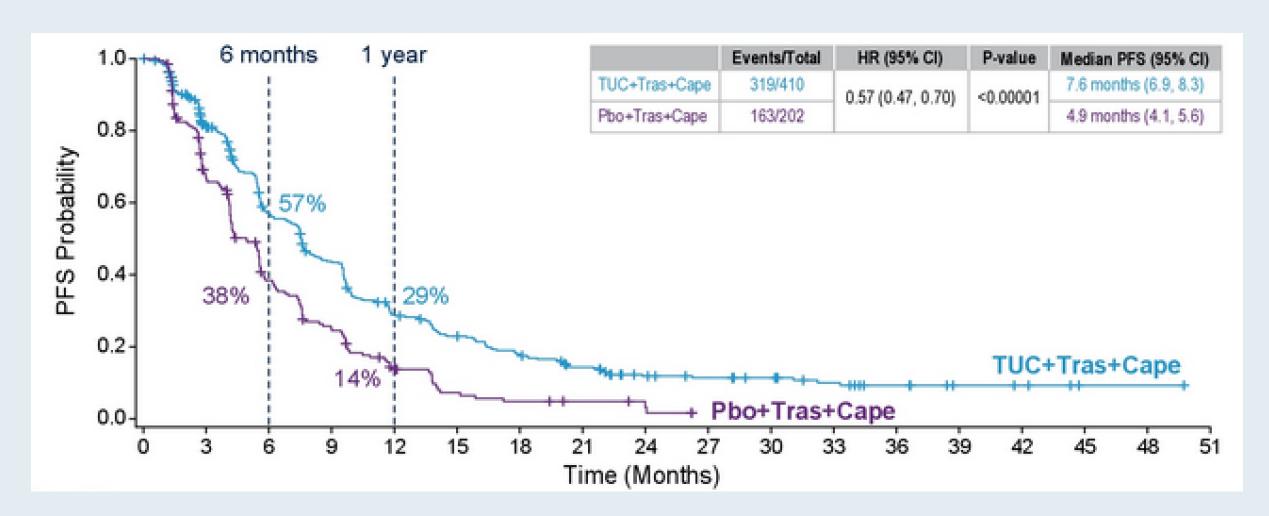


## **HER2CLIMB: Overall Survival**





# **HER2CLIMB: Progression-Free Survival**





Tucatinib vs Placebo in Combination with Trastuzumab and Capecitabine for Patients with Locally Advanced Unresectable or HER2-Positive Metastatic Breast Cancer (HER2CLIMB): Outcomes by Hormone Receptor Status

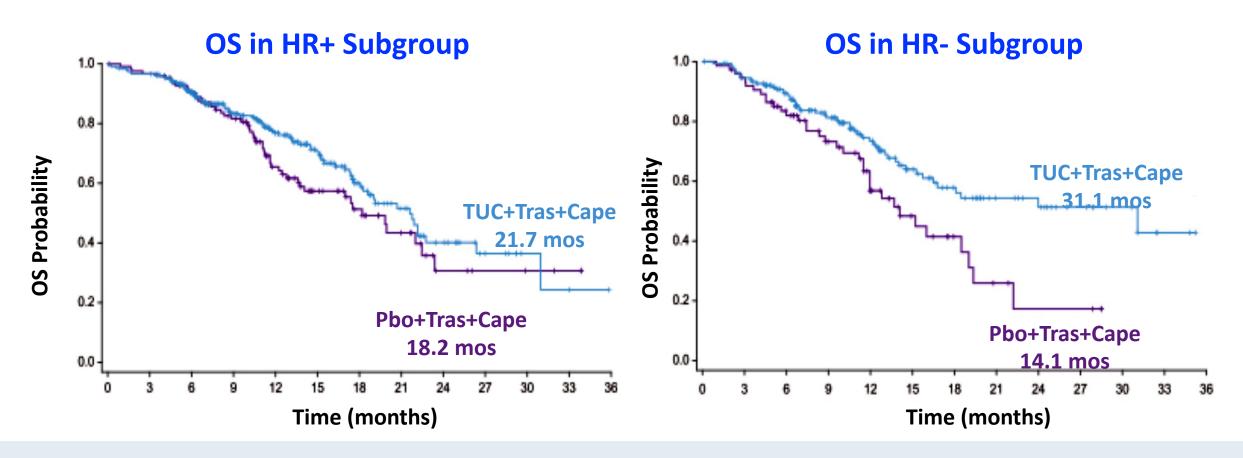
Hamilton E et al.

SABCS 2020; Abstract PD3-08.



# OS by HR Status in the Total Study Population

 Clinically meaningful improvement of OS was observed in patients on the tucatinib arm regardless of hormone receptor status.





# **HER2CLIMB: Safety Outcomes**

	Tucatinib (n = 404)		Placebo (n = 197)	
Select AE	Any grade	Grade ≥3	Any grade	Grade ≥3
Any	99.3%	55.2%	97.0%	48.7%
Diarrhea	80.9%	12.9%	53.3%	8.6%
PPE syndrome	63.4%	13.1%	52.8%	9.1%
Nausea	58.4%	3.7%	43.7%	3.0%
Fatigue	45.0%	4.7%	43.1%	4.1%
Vomiting	35.9%	3.0%	25.4%	3.6%
Stomatitis	25.5%	2.5%	14.2%	0.5%
Increased AST	21.3%	4.5%	11.2%	0.5%
Increased ALT	20.0%	5.4%	6.6%	0.5%

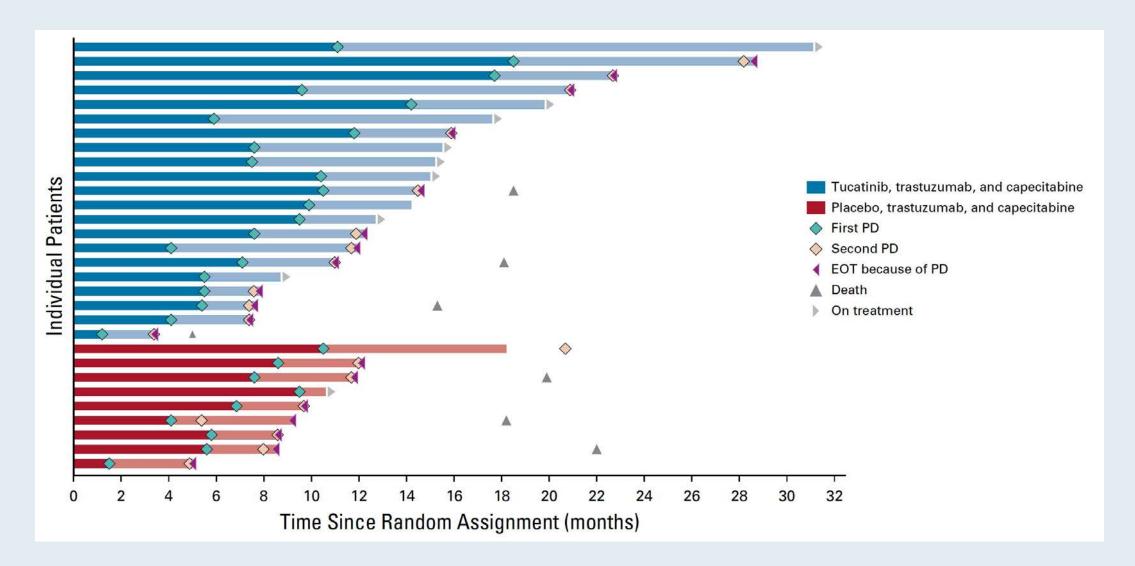


# Intracranial Efficacy and Survival With Tucatinib Plus Trastuzumab and Capecitabine for Previously Treated HER2-Positive Breast Cancer With Brain Metastases in the HER2CLIMB Trial

Nancy U. Lin, MD¹; Virginia Borges, MMSc, MD²; Carey Anders, MD³; Rashmi K. Murthy, MD, MBE⁴; Elisavet Paplomata, MD⁵; Erika Hamilton, MD⁶; Sara Hurvitz, MD⁷; Sherene Loi, MD, PhD⁰; Alicia Okines, MBChB, MD⁰; Vandana Abramson, MD¹⁰; Philippe L. Bedard, MD¹¹; Mafalda Oliveira, MD, PhD¹²; Volkmar Mueller, MD¹³; Amelia Zelnak, MD¹⁴; Michael P. DiGiovanna, MD, PhD¹⁵; Thomas Bachelot, MD¹⁶; A. Jo Chien, MD¹⁷; Ruth OʻRegan, MD⁵; Andrew Wardley, MBChB, MSc, MD¹⁰; Alison Conlin, MD, MPH¹⁰; David Cameron, MD, MA²⁰; Lisa Carey, MD²¹; Giuseppe Curigliano, MD, PhD²²; Karen Gelmon, MD²³; Sibylle Loibl, MD, PhD²⁴; JoAl Mayor, PharmD²⁵; Suzanne McGoldrick, MD, MPH²⁵; Xuebei An, PhD²⁵; and Eric P. Winer, MD¹

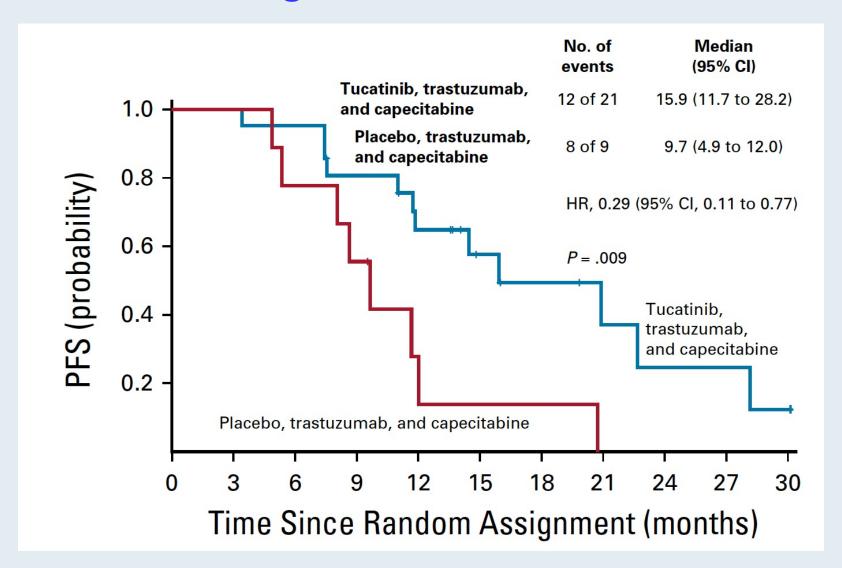


## **Duration of Treatment**



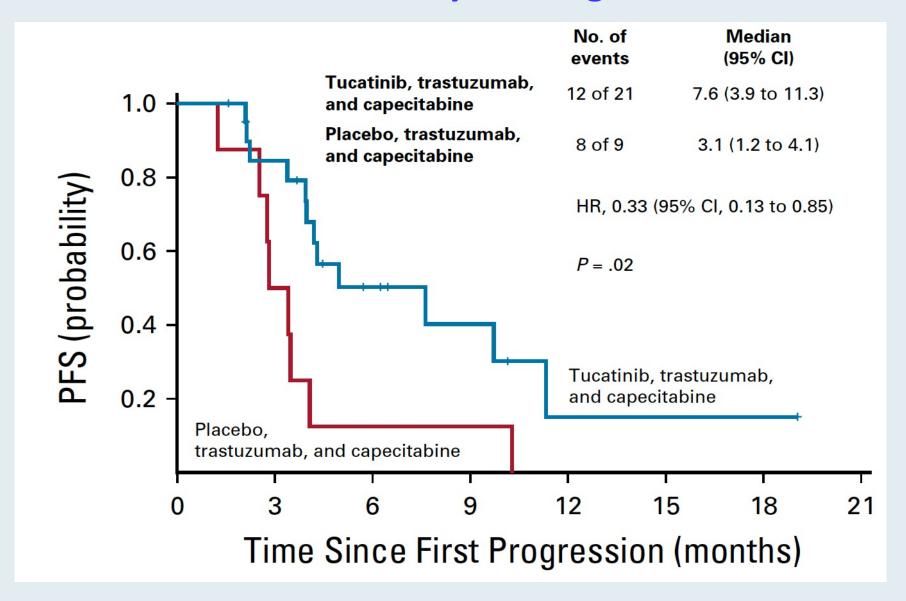


# Time from Random Assignment to Second Disease Progression by Investigator Assessment or Death





# Time from First PD to Second PD by Investigator Assessment or Death





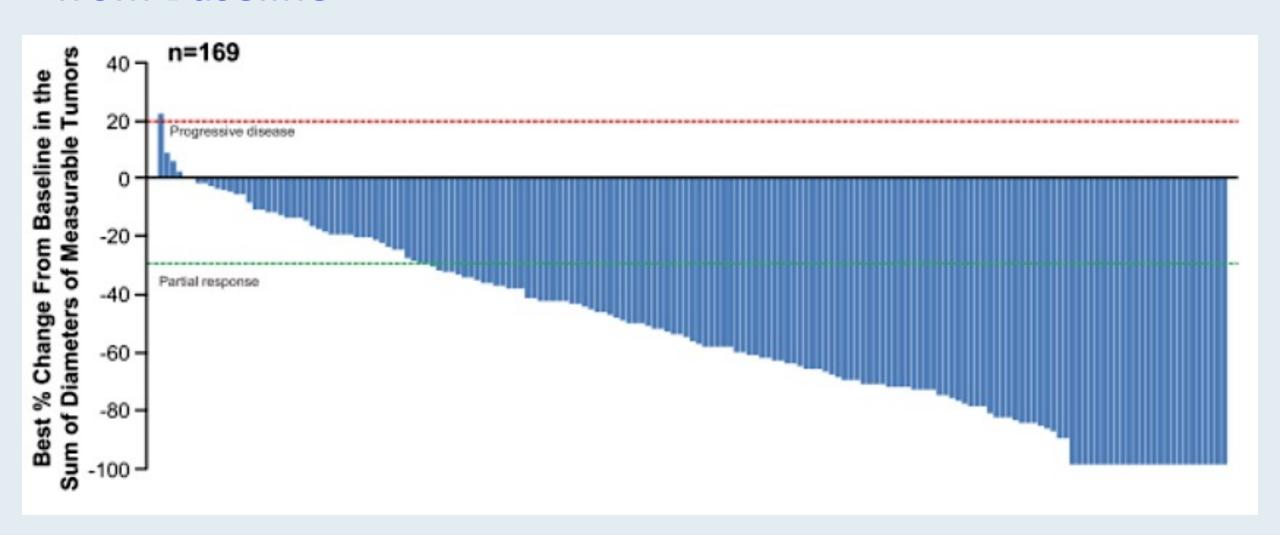
# Updated Results from DESTINY-Breast01, a Phase 2 Trial of Trastuzumab Deruxtecan (T-DXd ) in HER2-Positive Metastatic Breast Cancer

Modi S et al.

SABCS 2020; Abstract PD3-06.

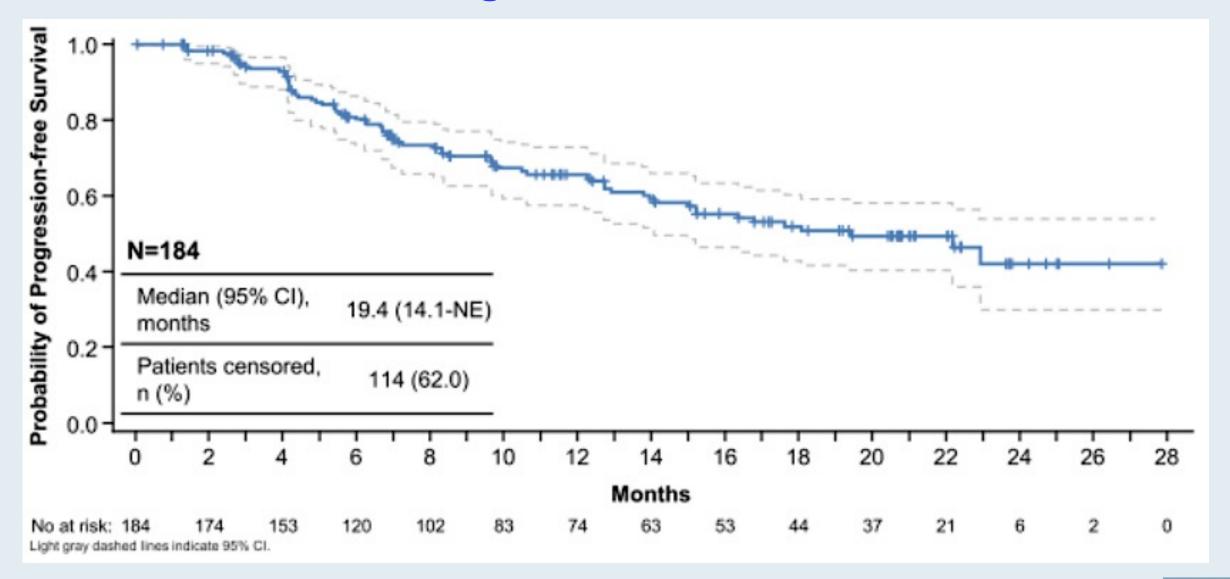


# **DESTINY-Breast01: Best Percent Change in Tumor Size** from Baseline



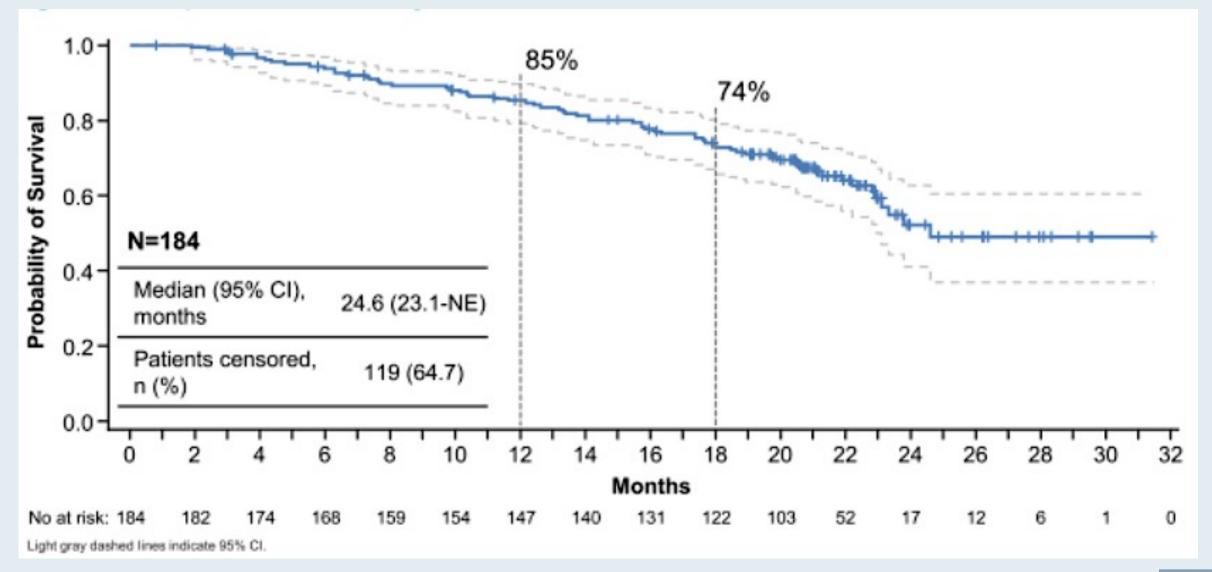


# **DESTINY-Breast01: Progression-Free Survival**





# **DESTINY-Breast01: Overall Survival**





# **DESTINY-Breast01: Safety**

AEs of special interest (n = 184)	All grades	Grades 3 and 4
Interstitial lung disease	25 (13.6%)	1 (0.5%)
Prolonged QT interval	9 (4.9%)	2 (1.1%)
Infusion-related reaction	4 (2.2%)	0
Decreased left ventricular ejection fraction	3 (1.6%)	1 (0.5%)

• Most common Grade ≥3 AEs were decreased neutrophil count (21%), anemia (9%) and nausea (8%).



# Trastuzumab Deruxtecan (T-DXd) in Patients with HER2+ Metastatic Breast Cancer with Brain Metastases: A Subgroup Analysis of the DESTINY-Breast01 Trial

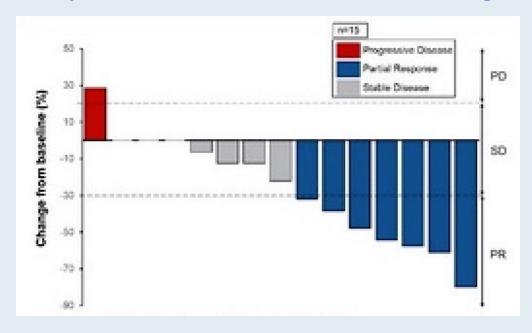
Jerusalem GHM et al. ASCO 2021; Abstract 526.



# **DESTINY-Breast01: Clinical Activity Outcomes**with Trastuzumab Deruxtecan

Endpoint	CNS Subgroup (n = 24)	All Patients (N = 184)
Confirmed ORR	58.3%	60.9%
Duration of response	16.9 mo	14.8 mo
Progression-free survival	18.1 mo	16.4 mo

### **Best Response in Brain Lesions in the CNS Subgroup**





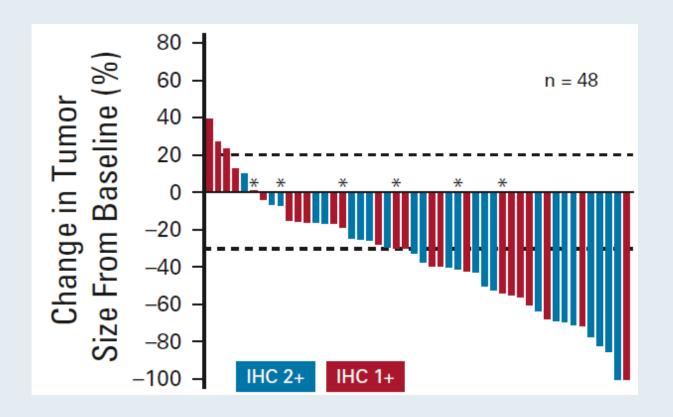
# Antitumor Activity and Safety of Trastuzumab Deruxtecan in Patients With **HER2-Low-Expressing Advanced Breast Cancer: Results From a Phase Ib Study**

Shanu Modi, MD<sup>1</sup>; Haeseong Park, MD, MPH<sup>2</sup>; Rashmi K. Murthy, MD, MBE<sup>3</sup>; Hiroji Iwata, PhD, MD<sup>4</sup>; Kenji Tamura, MD, PhD<sup>5</sup>; Junji Tsurutani, MD, PhD6; Alvaro Moreno-Aspitia, PhD7; Toshihiko Doi, MD, PhD8; Yasuaki Sagara, MD9; Charles Redfern, MD10; Ian E. Krop, MD, PhD<sup>11</sup>; Caleb Lee, MD, PhD<sup>12</sup>; Yoshihiko Fujisaki, MS<sup>13</sup>; Masahiro Sugihara, PhD<sup>13</sup>; Lin Zhang, MD, PhD<sup>12</sup>; Javad Shahidi, MD12; and Shunji Takahashi, MD14

J Clin Oncol 2020;38(17):1887-96.



# Effect of Trastuzumab Deruxtecan in Heavily Pretreated\* HER2-Low Metastatic Breast Cancer



### **Clinical activity (by independent review)**

ORR		
	Overall	37%
	HER2 2+	39%
	HER2 1+	36%
	ER+	40% (N = 47)
	ER-	14% (N = 7)
PFS		
	Overall	11.1 months

<sup>\*</sup> Median of 7.5 prior regimens



Final Overall Survival Results from the SOPHIA Study for Patients with HER2-Positive Metastatic Breast Cancer Did Not Demonstrate a Statistically Significant Advantage with Margetuximab Over Trastuzumab Press Release – September 07, 2021

"Final overall survival (OS) results of the SOPHIA Phase 3 study in adult patients with metastatic HER2-positive breast cancer did not demonstrate a statistically significant advantage for margetuximab over trastuzumab.

The final OS analysis of the SOPHIA study was performed after 385 OS events occurred in the intent-to-treat (ITT) population. As per the study protocol, OS was defined as the number of days from randomization to the date of death (from any cause). The final OS analysis for the ITT population did not demonstrate a statistically significant advantage for margetuximab plus chemotherapy compared to that of patients who received trastuzumab plus chemotherapy (hazard ratio [HR]=0.95; 95% Confidence Interval [CI]: 0.77-1.17; P=0.62). In this overall ITT population, the median survival was 21.6 months in patients treated with margetuximab plus chemotherapy (N=266) compared to 21.9 months in patients treated with trastuzumab plus chemotherapy (N=270).

The safety profile at the time of the final OS analysis of SOPHIA was similar to what was previously reported."



Research

JAMA Oncology | Original Investigation

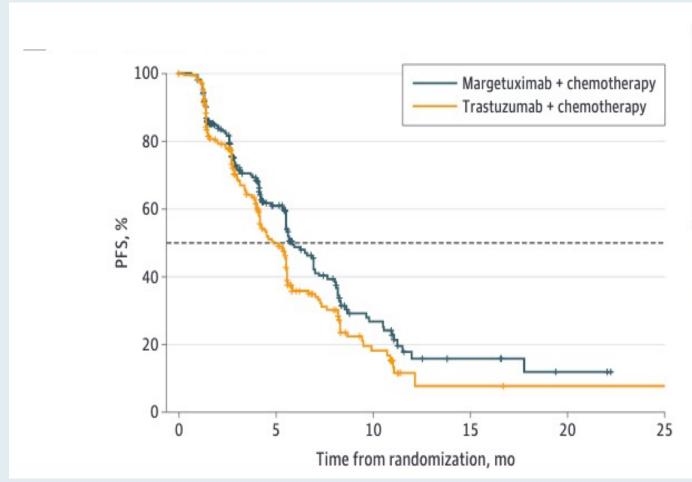
# Efficacy of Margetuximab vs Trastuzumab in Patients With Pretreated ERBB2-Positive Advanced Breast Cancer A Phase 3 Randomized Clinical Trial

Hope S. Rugo, MD; Seock-Ah Im, MD, PhD; Fatima Cardoso, MD; Javier Cortés, MD, PhD; Giuseppe Curigliano, MD, PhD;
Antonino Musolino, MD, PhD, MSc; Mark D. Pegram, MD; Gail S. Wright, MD; Cristina Saura, MD, PhD; Santiago Escrivá-de-Romaní, MD;
Michelino De Laurentiis, MD, PhD; Christelle Levy, MD; Ursa Brown-Glaberman, MD; Jean-Marc Ferrero, MD; Maaike de Boer, MD, PhD;
Sung-Bae Kim, MD, PhD; Katarína Petráková, MD, PhD; Denise A. Yardley, MD; Orit Freedman, MD, MSc; Erik H. Jakobsen, MD; Bella Kaufman, MD;
Rinat Yerushalmi, MD; Peter A. Fasching, MD; Jeffrey L. Nordstrom, PhD; Ezio Bonvini, MD; Scott Koenig, MD, PhD; Sutton Edlich, MS, PA;
Shengyan Hong, PhD; Edwin P. Rock, MD, PhD; William J. Gradishar, MD; for the SOPHIA Study Group

JAMA Oncol 2021;[Online ahead of print].



# **SOPHIA: PFS by Central Blinded Analysis (ITT Population)**

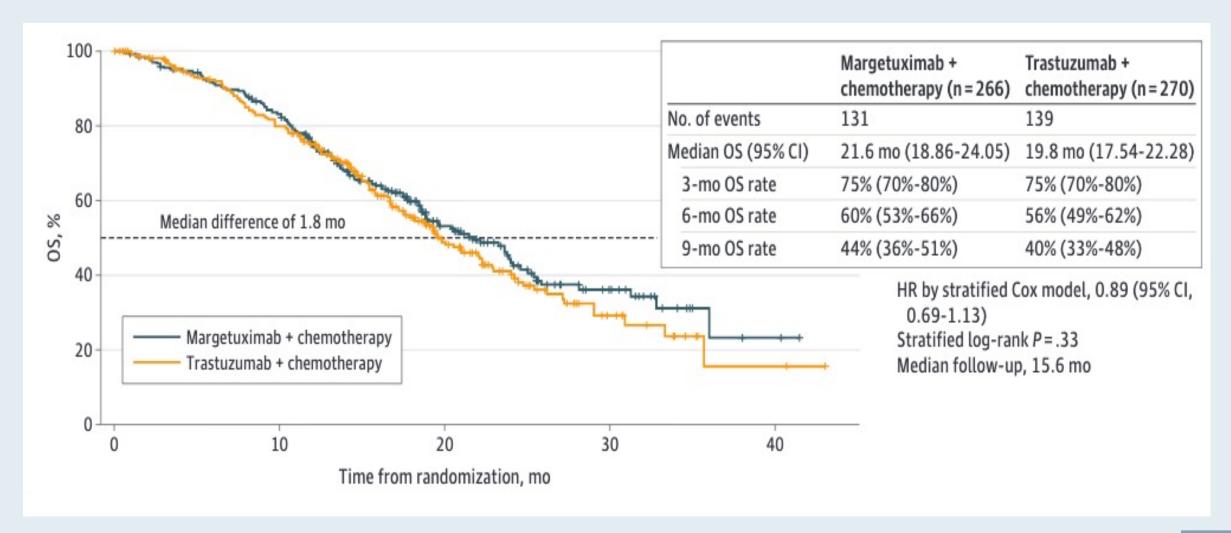


	Margetuximab + chemotherapy (n = 266)	Trastuzumab + chemotherapy (n = 270)
No. of events	130	135
Median PFS (95% CI)	5.8 mo (5.52-6.97)	4.9 mo (4.17-5.59)
3-mo PFS rate	72% (65%-77%)	70% (63%-76%)
6-mo PFS rate	48% (41%-56%)	36% (28%-44%)
9-mo PFS rate	30% (22%-38%)	22% (15%-30%)

HR by stratified Cox model, 0.76 (95% CI, 0.59-0.98) Stratified log-rank P = .03 24% Risk reduction of disease progression<sup>a</sup> Median follow-up, 2.8 mo



# **SOPHIA: OS Analysis (ITT Population)**





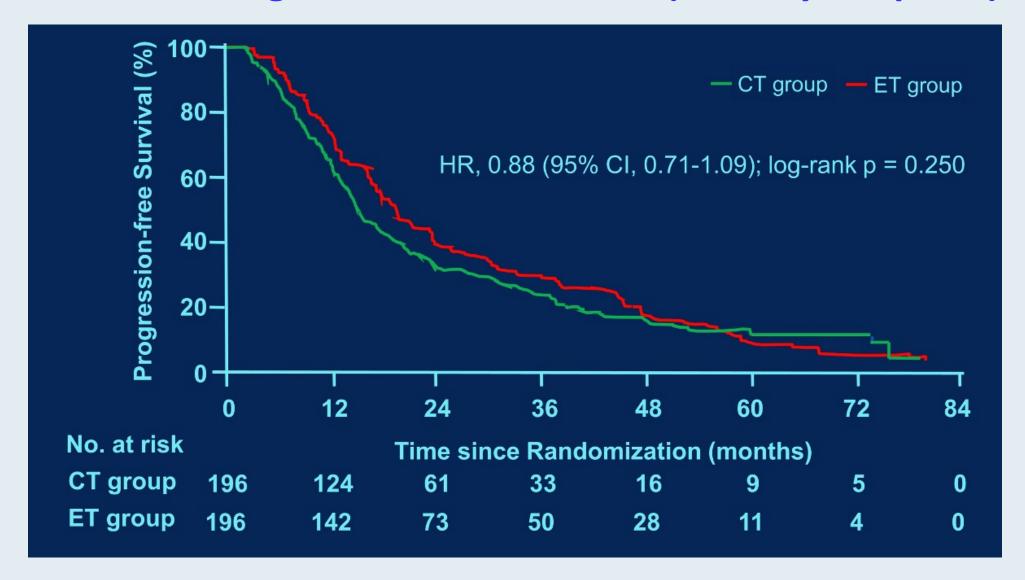
Trastuzumab plus Endocrine Therapy or Chemotherapy as First-Line Treatment for Metastatic Breast Cancer with Hormone Receptor-Positive and HER2-Positive: The SYSUCC-002 Randomized Clinical Trial

Yuan Z et al.

ASCO 2021; Abstract 1003.



# **SYSUCC-002: Progression-Free Survival (Primary Endpoint)**





# **SYSUCC-002: Subgroup Analysis of PFS**

Subgroup	ET group (events/ n)	CT group (events/ n)		Hazard Ratio (95% CI)	p value
Age, years					0.146
≤ 40	29/31	30/42		1.14 (0.67, 1.91)	
> 40	151/165	135/154	<b>⊢</b>	0.80 (0.63, 1.00)	
Receptor status					0.099
ER and PR positive	143/157	128/157	<b>⊢</b>	0.90 (0.71, 1.15)	
ER or PR positive	37/39	37/39		0.76 (0.48, 1.20)	
Visceral involvement					0.487
Yes	106/114	103/119		0.95 (0.72, 1.25)	
No	74/82	62/77	<u> </u>	0.80 (0.57, 1.12)	
Previous adjuvant endocrine therapy					0.904
Als	74/83	66/83		0.98 (0.69, 1.15)	
ORMs	56/59	51/59	<u> </u>	0.97 (0.70, 1.36)	
Metastasis number			T i		0.851
< 2	127/140	111/139		0.89 (0.69, 1.15)	
≥ 2	53/56	54/57	<u> </u>	0.86 (0.59, 1.27)	
Disease-free interval					
≤ 24 months	59/64	64/78	——————————————————————————————————————	1.39 (0.97, 1.98)	
> 24 months	71/78	53/64	<b></b>	0.77 (0.53, 1.10)	
			0 0.5 1 1.5 2.0		
			ET better CT better	• · · · · · · · · · · · · · · · · · · ·	



Primary Outcome of the Phase III SYD985.002/TULIP Trial Comparing [vic-]Trastuzumab Duocarmazine to Physician's Choice Treatment in Patients with Pre-treated HER2-Positive Locally Advanced or Metastatic Breast Cancer

Manich E et al.

ESMO 2021; Abstract LBA15.

Conclusions: Treatment with [vic-]trastuzumab duocarmazine significantly improved PFS in comparison with standard physician's choice chemotherapy and may provide a new treatment option for patients with pre-treated locally advanced or metastatic HER2-positive breast cancer.



# Select Ongoing Phase III Trials in Metastatic HER2-Positive Breast Cancer

Trial identifier	Estimated enrollment	Setting	Regimens	Estimated completion date
DESTINY-Breast09 (NCT04784715)	1,134	First line	<ul> <li>Trastuzumab deruxtecan</li> <li>Trastuzumab deruxtecan + pertuzumab</li> <li>Trastuzumab + pertuzumab + taxane</li> </ul>	2029
HER2CLIMB-02 (NCT03975647)	460	Second line	<ul><li>T-DM1 + tucatinib</li><li>Placebo + T-DM1</li></ul>	2024
DESTINY-Breast02 (NCT03523585)	600	Third line	<ul> <li>Trastuzumab deruxtecan</li> <li>Physician's choice of capecitabine/trastuzumab or capecitabine/lapatinib</li> </ul>	2024
DESTINY-Breast12	500	≤2 lines of therapy, presence or absence of BM	Trastuzumab deruxtecan	2024

BM = brain metastases



# **Localized HER2-Positive Breast Cancer**



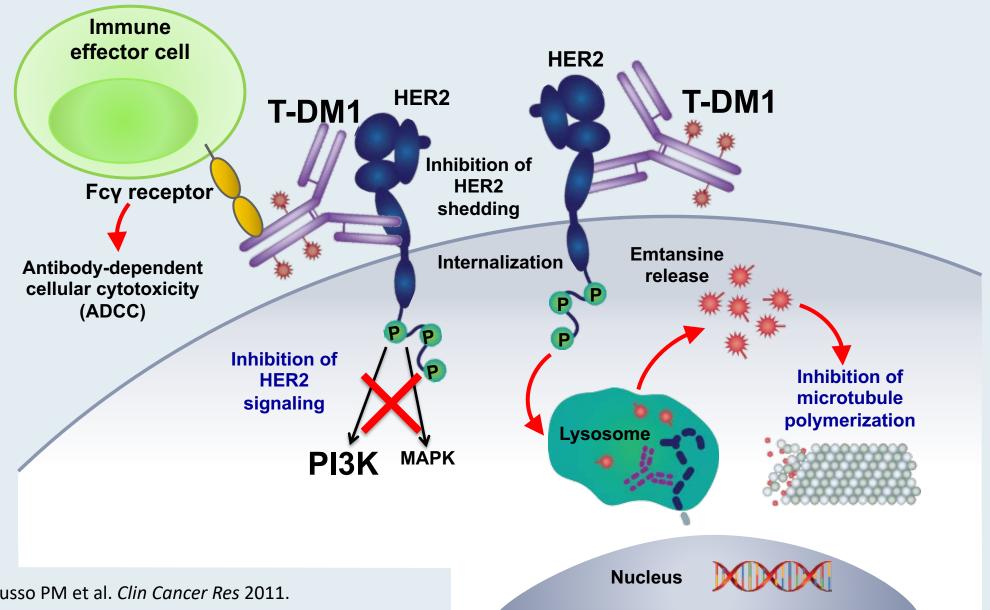
# FDA-Approved Agents for Early-Stage HER2-Positive Breast Cancer

Agent	Setting	Pivotal trial(s)	Regimens	Year approved	
		NSABP-31	AC-T-placebo vs AC-T-H		
Trastuzumab	Adjuvant HER2+ EBC,	N9831	AC-T vs AC-H vs AC-T-H	2006	
ITastuzumab	first line	BCIRG 006	ACT vs ACT-H vs TC-H	2006	
		HERA	Observation vs trastuzumab		
Pertuzumab	Neoadjuvant HER2+, EBC	NeoSphere	TD vs PTD vs PT vs PD	2013	
Dortugues	Adimont HEDO L EDC	APHINITY	Chemotherapy plus trastuzumab	2017	
Pertuzumab	Adjuvant HER2+, EBC		plus pertuzumab vs placebo	2017	
Moratinib	Extended adjuvant	Cv+oNCT	Dlacaba ve naratinih	2017	
Neratinib	treatment of HER2+ EBC	ExteNET	Placebo vs neratinib	2017	
T-DM1	Adjuvant HER2+ EBC with residual disease after neoadjuvant taxane and trastuzumab-based treatment	KATHERINE	Trastuzumab vs T-DM1	2019	

AC-H = doxorubicin, cyclophosphamide, and trastuzumab; AC-T, doxorubicin, cyclophosphamide, and paclitaxel; AC-T-H, doxorubicin, cyclophosphamide, paclitaxel, and trastuzumab; H, trastuzumab; PD, pertuzumab and docetaxel; PT, trastuzumab and pertuzumab; PTD, pertuzumab, trastuzumab, and docetaxel; TC, docetaxel and cyclophosphamide; TC-H, docetaxel, cyclophosphamide, and trastuzumab; TD, trastuzumab and docetaxel; THP, docetaxel, trastuzumab, and pertuzumab



# Trastuzumab Emtansine (T-DM1): Mechanisms of Action





### **ARTICLE IN PRESS**



### Ann Oncol 2021;[Online ahead of print]



### **ORIGINAL ARTICLE**

Adjuvant T-DM1 versus trastuzumab in patients with residual invasive disease after neoadjuvant therapy for HER2-positive breast cancer: subgroup analyses from KATHERINE

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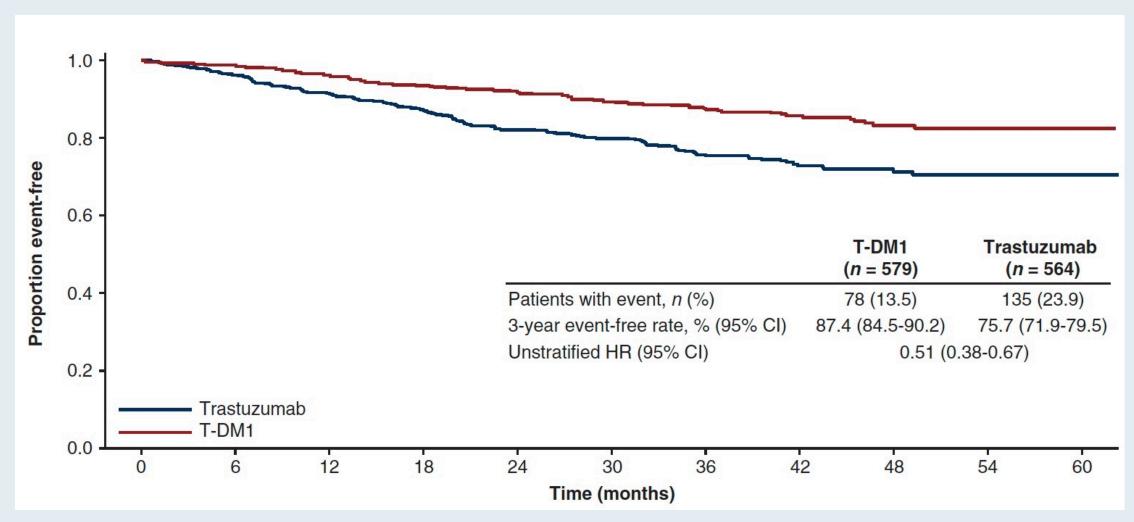


#### **KATHERINE: Summary of Adverse Events Associated with T-DM1**

Event	Trastuzumab (N = 720)	T-DM1 (N = 740)			
Grade ≥3 adverse event	15.4%	25.7%			
AE leading to drug discontinuation	2.1%	18.1%			
Selected Grade ≥3 adverse event					
Decreased platelet count	0.3%	5.7%			
Hypertension	1.2%	2.0%			
Peripheral sensory neuropathy	0	1.4%			
Decreased neutrophil count	0.7%	1.2%			
Hypokalemia	0.1%	1.2%			
Fatigue	0.1%	1.1%			
Anemia	0.1%	1.1%			

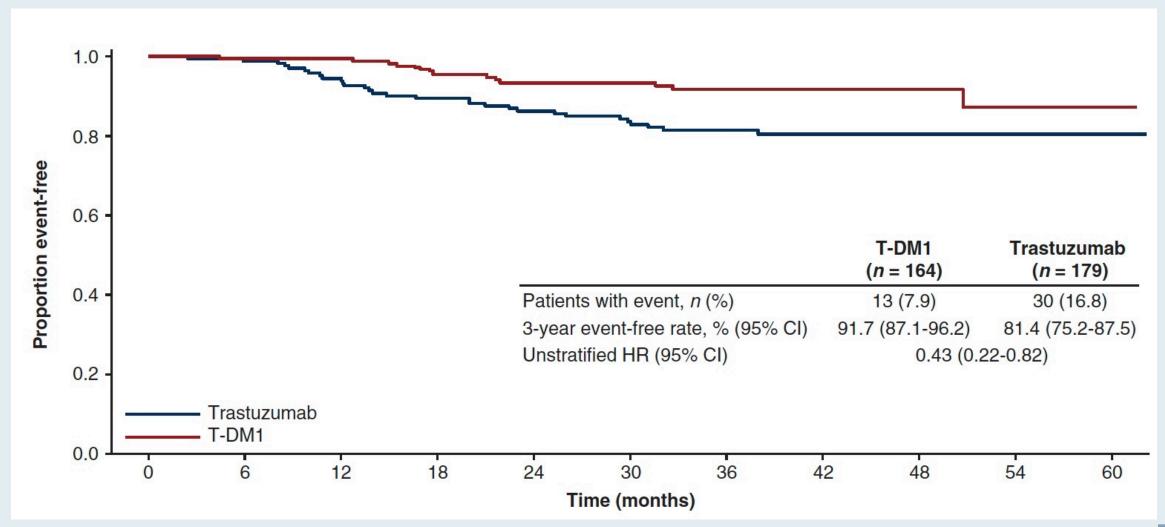


## Time to First Invasive Disease-Free Survival Event for Patients Who Received Anthracycline-Based Neoadjuvant Therapy





## Time to First Invasive Disease-Free Survival Event for Patients Who Received Non-Anthracycline-Based Neoadjuvant Therapy





# Adjuvant Trastuzumab Emtansine Versus Paclitaxel in Combination With Trastuzumab for Stage I HER2-Positive Breast Cancer (ATEMPT): A Randomized Clinical Trial

Sara M. Tolaney, MD, MPH<sup>1,2</sup>; Nabihah Tayob, PhD<sup>1</sup>; Chau Dang, MD<sup>3</sup>; Denise A. Yardley, MD<sup>4</sup>; Steven J. Isakoff, MD, PhD<sup>5</sup>; Vicente Valero, MD<sup>6</sup>; Meredith Faggen, MD<sup>1</sup>; Therese Mulvey, MD<sup>5</sup>; Ron Bose, MD, PhD<sup>7</sup>; Jiani Hu, MSc<sup>1</sup>; Douglas Weckstein, MD<sup>1</sup>; Antonio C. Wolff, MD<sup>8</sup>; Katherine Reeder-Hayes, MD, MBA, MSc<sup>9</sup>; Hope S. Rugo, MD<sup>10</sup>; Bhuvaneswari Ramaswamy, MD<sup>11</sup>; Dan Zuckerman, MD<sup>12</sup>; Lowell Hart, MD<sup>13</sup>; Vijayakrishna K. Gadi, MD, PhD<sup>14</sup>; Michael Constantine, MD<sup>1</sup>; Kit Cheng, MD<sup>15</sup>; Frederick Briccetti, MD<sup>1</sup>; Bryan Schneider, MD<sup>16</sup>; Audrey Merrill Garrett, MD<sup>17</sup>; Kelly Marcom, MD<sup>18</sup>; Kathy Albain, MD<sup>19</sup>; Patricia DeFusco, MD<sup>20</sup>; Nadine Tung, MD<sup>2,21</sup>; Blair Ardman, MD<sup>22</sup>; Rita Nanda, MD<sup>23</sup>; Rachel C. Jankowitz, MD<sup>24</sup>; Mothaffar Rimawi, MD<sup>25</sup>; Vandana Abramson, MD<sup>26</sup>; Paula R. Pohlmann, MD, PhD, MSc<sup>27</sup>; Catherine Van Poznak, MD<sup>28</sup>; Andres Forero-Torres, MD<sup>29</sup>; Minetta Liu, MD<sup>30</sup>; Kathryn Ruddy, MD<sup>30</sup>; Yue Zheng, MSc<sup>1</sup>; Shoshana M. Rosenberg, ScD, MPH<sup>1,2</sup>; Richard D. Gelber, PhD<sup>1,2</sup>; Lorenzo Trippa, PhD<sup>1,2</sup>; William Barry, PhD<sup>1</sup>; Michelle DeMeo, BS<sup>1</sup>; Harold Burstein, MD, PhD<sup>1,2</sup>; Ann Partridge, MD, MPH<sup>1,2</sup>; Eric P. Winer, MD<sup>1,2</sup>; and Ian Krop, MD, PhD<sup>1,2</sup>

J Clin Oncol 2021;[Online ahead of print]



#### ATEMPT: Invasive Disease-Free Survival (iDFS) and Recurrence-Free Interval (RFI)

Outcome	T-DM1 (n = 383)	TH (n = 114)
Three-year iDFS	97.8%	93.4%
Three-year RFI	99.2%	94.3%



#### **ATEMPT: Clinically Relevant Toxicity**

Clinically Relevant Toxicity	T-DM1 (n = 383)	TH (n = 114)
Grade ≥3 nonhematologic toxicity	9%	11%
Grade ≥2 neurotoxicity	11%	23%
Grade ≥4 hematologic toxicity	1%	0%
Febrile neutropenia	0%	2%
Any toxicity requiring dose delay	28%	26%
Any toxicity requiring early discontinuation	17%	6%
Total	46%	47%



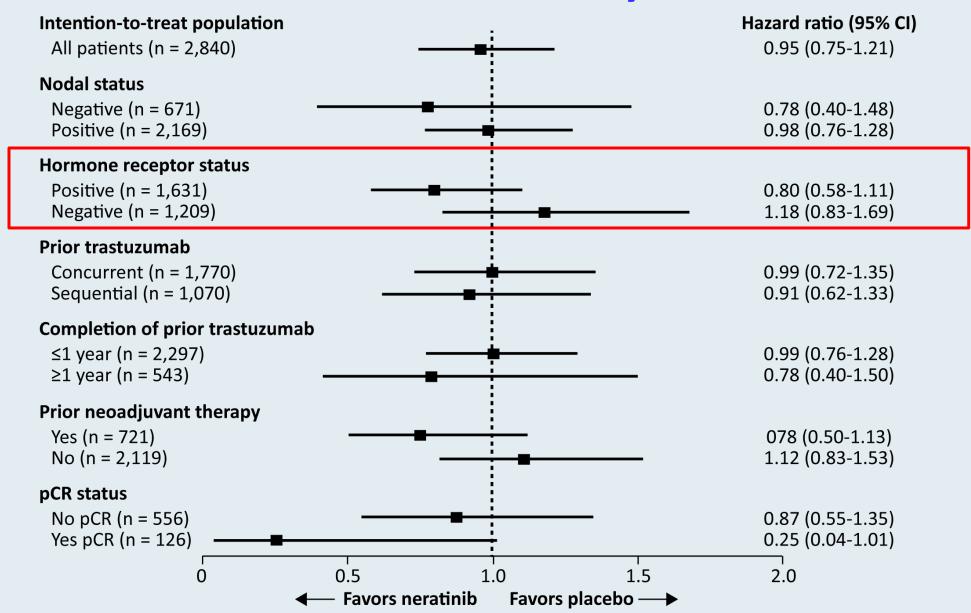
# Continued Efficacy of Neratinib in Patients with HER2-Positive Early-Stage Breast Cancer: Final Overall Survival Analysis from the Randomized Phase 3 ExteNET Trial

Holmes FA et al.

SABCS 2020; Abstract PD3-03.



#### **ExteNET: Final Overall Survival Analysis**





#### **ExteNET: Cumulative Incidence of CNS Recurrences**

	Cumulative incidence Events, n of CNS recurrences, % (95% C			
Population or subgroup	Neratinib	Placebo	Neratinib	Placebo
<b>Intention-to-treat population</b> (n = 2,840)	16	23	1.3 (0.8-2.1)	1.8 (1.2-2.7)
HR+/≤1-year population (EU indication) (n = 1,334)	4	12	0.7 (0.2-1.7)	2.1 (1.1-3.5)
Prior neoadjuvant therapy (n = 1,334) No (n = 980) Yes (n = 354)	3 1	6 6	0.7 (0.2-2.0) 0.7 (0.1-3.3)	1.5 (0.6-3.0) 3.7 (1.5-7.4)
pCR status (n = 354) No (n = 295) Yes (n = 38)	1 0	5 1	0.8 (0.1-4.0) 0 (NE)	3.6 (1.3-7.8) 5.0 (0.3-21.2)



#### **ExteNET: CNS Disease-Free Survival at 5 Years**

	Events, n		Kaplaı estimate at 5 y		
Population or subgroup	Neratinib	Placebo	Neratinib	Placebo	Hazard ratio
Intention-to-treat population (n = 2,840)	29	42	97.5 (96-4-98.3)	96.4 (95.2-97.4)	0.73
HR+/≤1-year population (EU indication) (n = 1,334)	9	23	98.4 (96.8-99.1)	95.7 (93.6-97.2)	0.41
Prior neoadjuvant therapy (n = 1,334) No (n = 980) Yes (n = 354)	7 2	10 13	98.2 (96.3-99.2) 98.7 (94.8-99.7)	97.5 (95.3-98.6) 91.2 (85.1-94.8)	0.70 0.18
pCR status (n = 354) No (n = 295) Yes (n = 38)	2 0	10 3	98.4 (93.6-99.6) 100 (100-100)	92.0 (85.6-95.7) 81.9 (53.1-93.9)	0.24 0



#### **CONTROL** Trial: Strategies to Improve Neratinib Tolerability

**Background:** Neratinib is approved for extended adjuvant therapy in HER2-positive BC

- Neratinib poorly tolerated in ExteNET
  - Discontinuation rate: 17%
  - Grade 3 diarrhea: 40%

**Objective:** Improve GI tolerability of neratinib

Methods: Sequential single arm interventions in patients treated with adjuvant therapy

- Cohort 1 (L): Loperamide (n = 137)
- Cohort 2 (BL): Budesonide + loperamide (n = 64)
- Cohort 3 (CL or CL-PRN): Colestipol + loperamide (n = 136) or colestipol + as needed loperamide (n = 104)
- Cohort 4 (DE): Neratinib dose escalation; ongoing (n = 60)



#### **Treatment-Emergent Diarrhea in the ExteNET and CONTROL Studies**

Outcome	ExteNET $(n = 1408)$	L (n = 137)	BL (n = 64)	CL (n = 136)	CL-PRN (n = 104)	DE (n = 60)
Treatment-emergent diarrhea incidence, n (%)						
No diarrhea	65 (5)	28 (20)	9 (14)	23 (17)	5 (5)	1 (2)
Grade 1	323 (23)	33 (24)	16 (25)	38 (28)	34 (33)	25 (42)
Grade 2	458 (33)	34 (25)	21 (33)	47 (35)	32 (31)	25 (42)
Grade 3	561 (40)	42 (31)	18 (28)	28 (21)	33 (32)	9 (15)
Grade 4	1 (<1)	0	0	0	0	0
Action taken, n (%)						
Dose hold	477 (34)	20 (15)	12 (19)	22 (16)	15 (14)	7 (12)
Dose reduction	372 (26)	10 (7)	3 (5)	10 (7)	12 (12)	2 (3)
Discontinuation	237 (17)	28 (20)	5 (8)	5 (4)	8 (8)	2 (3)
Hospitalization	20 (1)	2 (1)	0	0	0	0



#### **Select Ongoing Trials in Early-Stage HER2-Positive Breast Cancer**

Trial identifier	Phase	Setting	Regimens	Estimated completion date
CompassHER2 pCR (NCT04266249)	II	Neoadjuvant and adjuvant	<ul> <li>Preoperative chemotherapy + trastuzumab/pertuzumab</li> <li>If pCR → postoperative trastuzumab/pertuzumab</li> <li>If residual disease → postoperative T-DM1 or T-DM1 + tucatinib</li> </ul>	2023
DESTINY-Breast05 (NCT04622319)	III	High-risk, residual disease after neoadjuvant chemotherapy	<ul><li>Trastuzumab deruxtecan</li><li>T-DM1</li></ul>	2027



#### **Fall Oncology Nursing Series**

A Complimentary NCPD-Accredited Virtual Curriculum

#### **Hodgkin and Non-Hodgkin Lymphomas**

Thursday, September 23, 2021 5:00 PM - 6:00 PM ET

**Faculty** 

John P Leonard, MD Amy Goodrich, CRNP

**Moderator Neil Love, MD** 



#### Thank you for joining us!

CME and MOC credit information will be emailed to each participant within 5 business days.

