# Moving Beyond the Binary Categorization of HER2 Status: Antibody-Drug Conjugate Therapy in Metastatic Breast Cancer

1

#### **Disclosures**

- Aditya Bardia, MD, discloses he has received consulting fees from Pfizer, Novartis, Genentech, Merck, Radius Health, Immunomedics/Gilead, Sanofi, Daiichi Pharma/ AstraZeneca, Phillips, Eli Lilly, and Foundation Medicine; he has also conducted contracted research for Genentech, Novartis, Pfizer, Merck, Sanofi, Radius Health, Immunomedics/ Gilead, Daiichi Pharma/AstraZeneca, and Eli Lilly
- During the course of this lecture, the faculty may mention the use of medications for both US Food and Drug Administration (FDA)-approved and non-FDA-approved indications

This activity is supported by educational grants from AstraZeneca and Daiichi Sankyo, Inc.

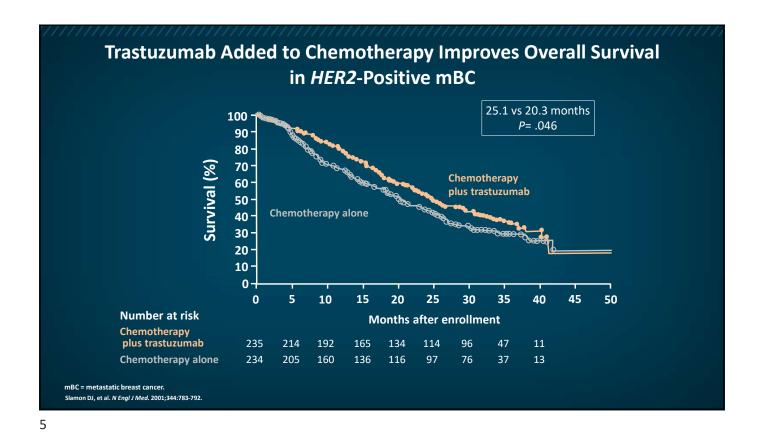
## **Learning Objectives**

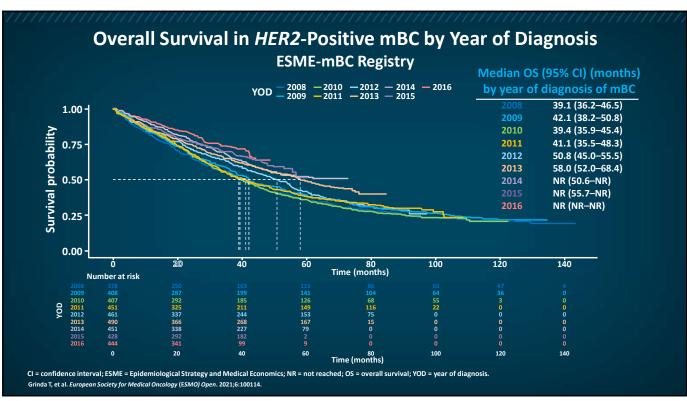
- Review the testing for HER2 levels in patients with breast cancer and potential effects on treatment
- Analyze clinical trial data and treatment guidelines in the metastatic breast cancer population that are categorized as HER2-positive by testing convention
- Describe approaches for recognizing and managing adverse events associated with antibody-drug conjugate (ADC), *HER2*-targeted therapy in advanced or metastatic breast cancer

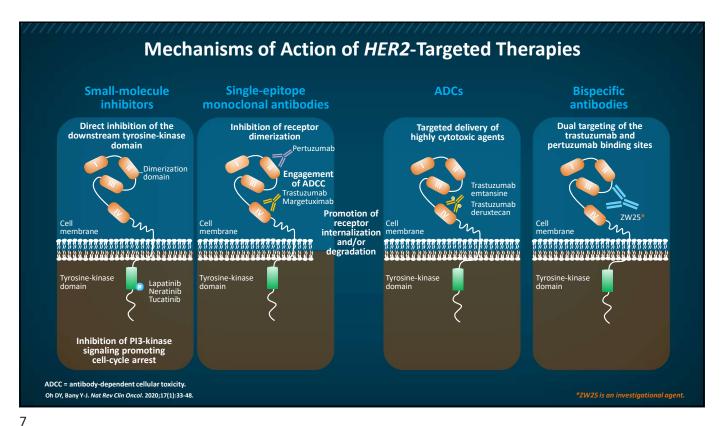
3

#### **Pre-Read**

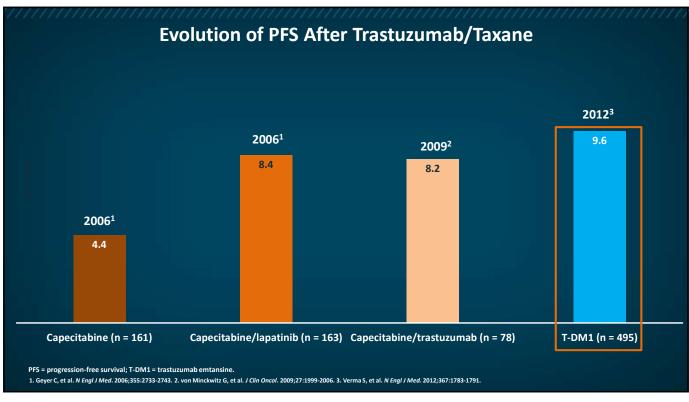
1

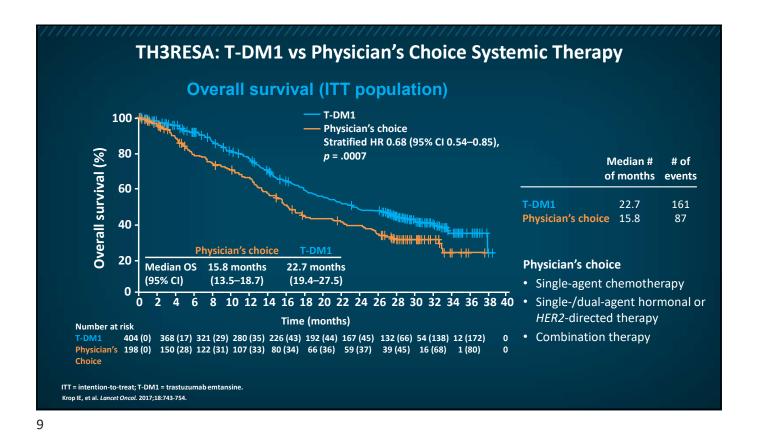


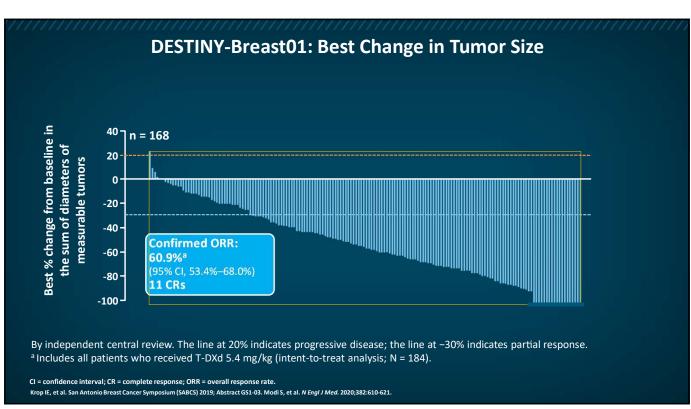


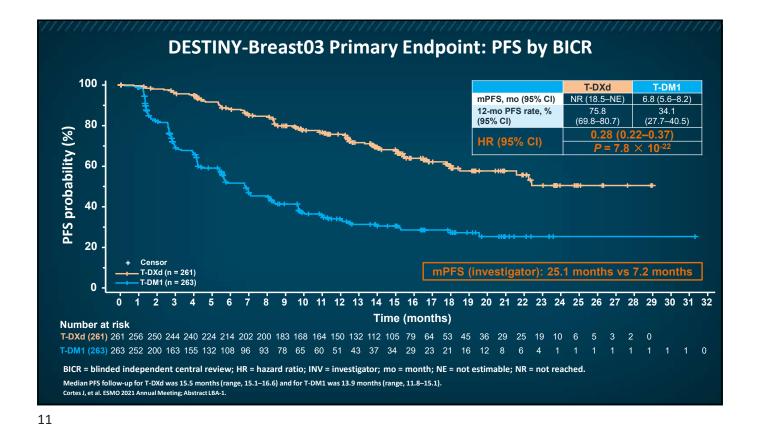


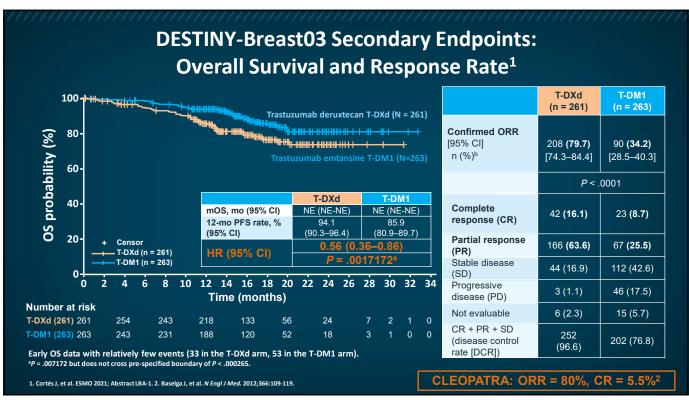












## **Interstitial Lung Disease/Pneumonitis in Different Regions**

Adjudicated as drug-related ILD/pneumonitis, <sup>a</sup> n (%)							
		Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Any grade
Overall	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)
Asia subgroup	T-DXd (n = 147)	5 (3.4)	10 (6.8)	1 (0.7)	0	0	16 (10.9)
	T-DM1 (n = 159)	3 (1.9)	1 (0.6)	0	0	0	4 (2.5)
Non-Asia subgroup	T-DXd (n = 110)	2 (1.8)	8 (7.3)	1 (0.9)	0	0	11 (10.0)
	T-DM1 (n = 102)	1 (1.0)	0	0	0	0	1 (1.0)

- No grade 4 or 5 adjudicated drug-related ILD/pneumonitis events were observed with T-DXd
- ILD/pneumonitis rates were similar between the overall population and the Asia subgroup and between the Asia and the non-Asia subgroups

ILD = interstitial lung disease; T-DM1 = trastuzumab emtansine; T-DXd = trastuzumab deruxtecan.
Asia subgroup defined as patients enrolled in China, Hong Kong, Japan, Republic of Korea, and Taiwan.
\*Patients with history of ILD/pneumonitis necessitating steroids were excluded.
Hurvitz S, et al. San Antonio Breast Cancer Symposium (SABCS) 2021 Annual Meeting; Abstract GS3-01.

13

