

Antibody
drug
conjugates



Hvad betyder de nye ADC'er for behandlingen af brystkræft?

- HER2-targeterede ADC'er
 - TDM1 til HER2+
 - TDXd til HER2+ og HER2low
- TROP2-targeterede ADC'er
 - Sacituzumab Govitecan til TNBC og ER+ MBC
 - Datopotamab Deruxtecan – under udvikling – protokol i DK
- ADC'er under udvikling mod nye targets?
- Fremtiden

TDM1 (Trastuzumab Emtansine): Prototypen

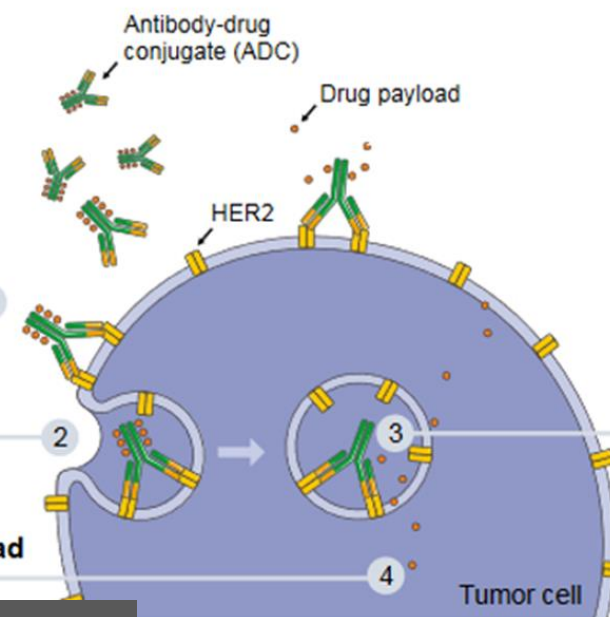


Classical ADC mode of action

ADC binding to HER2 receptor

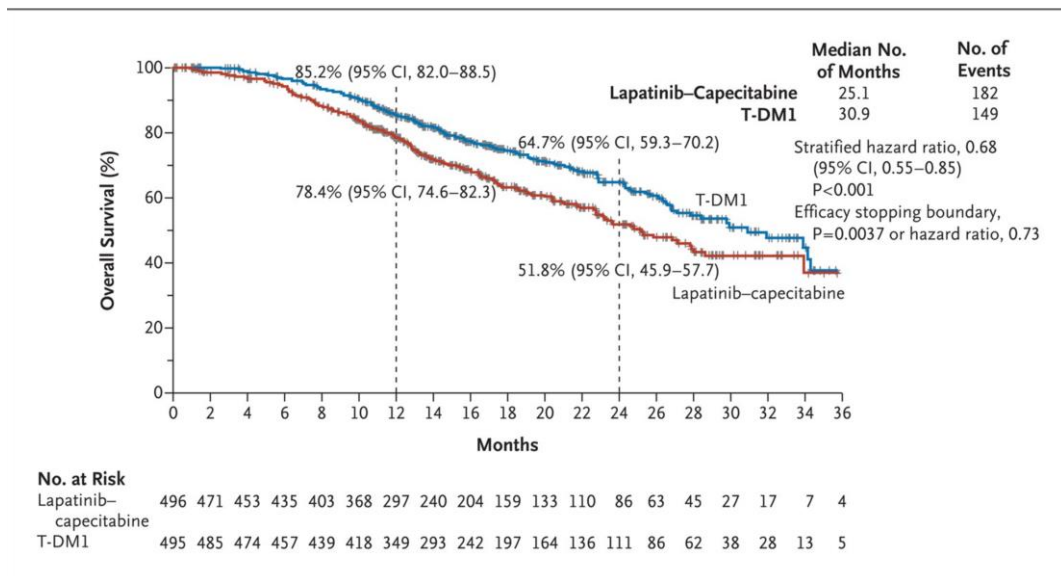
Internalization by endocytosis

Cytotoxic effect induced by drug payload



Rinnerthaler, Int. J. Mol. Sci. 2019

Emilia: TDM1 vs. lapatinib–capecitabine

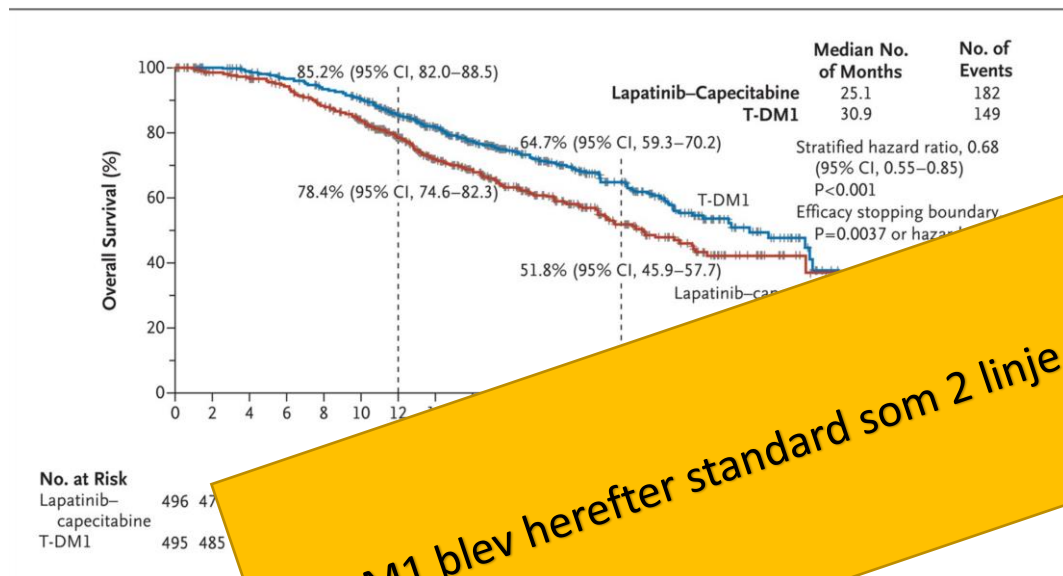


	Cap + Lap (n=488)	T-DM1 (n=490)
All-grade AE, n (%)	477 (97.7)	470 (95.9)
Grade ≥3 AE, n (%)	278 (57.0)	200 (40.8)
AEs leading to treatment discontinuation (for any study drug), n (%)	52 (10.7)	29 (5.9)
AEs leading to death on treatment, n (%) ^a	5 (1.0)	1 (0.2)
Cardiac dysfunction AEs, ^a n (%)		
All grades	15 (3.1)	9 (1.8)
Grade 3	2 (0.4)	1 (0.2)
LVEF <50% and ≥15-point decrease from baseline, % ^b	7 (1.6)	8 (1.7)

N Engl J Med 2012; 367:1783-1791

DOI: 10.1056/NEJMoa1209124

Emilia: TDM1 vs. lapatinib–capecitabine



TDM1 blev herefter standard som 2 linje behandling til HER2-positiv mBC

	Cap + Lap (n=488)	T-DM1 (n=490)
All patients	477 (97.7)	470 (95.9)
HER2-positive	278 (57.0)	200 (40.8)
HER2-negative	52 (10.7)	29 (5.9)
Unknown HER2 status (treatment, n (%)) ^a	5 (1.0)	1 (0.2)
Adverse events, n (%)		
All grades	15 (3.1)	9 (1.8)
Grade 3	2 (0.4)	1 (0.2)
LVEF <50% and ≥15-point decrease from baseline, % ^b	7 (1.6)	8 (1.7)

KATHERINE: T-DM1 superior to Trastuzumab for HER2+ Residual Disease

- Centrally confirmed HER2-positive breast cancer
- cT1-4N0-3M0 at presentation (cT1a-b/N0 excluded)
- Received neoadjuvant therapy consisting of
 - Minimum of 6 cycles of chemotherapy
 - Minimum of 9 weeks of taxane+ trastuzumab
- Pathologic residual invasive tumor in breast or axilla

R
1:1

N=1486

T-DM1
3.6 mg/kg IV Q3W
14 cycles

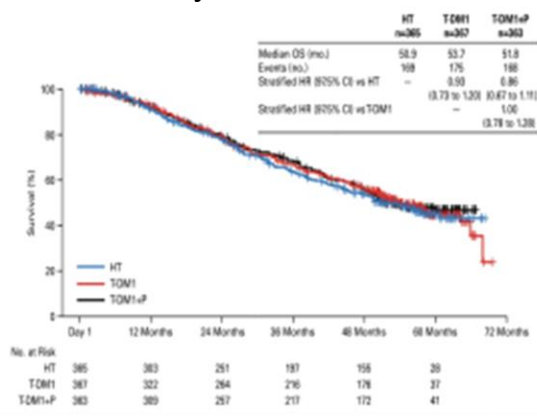
Trastuzumab
6 mg/kg IV Q3W
14 cycles



N Engl J Med 2019; 380:617-62

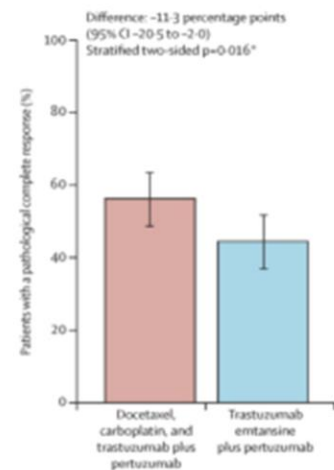
Marianne Trial: TDM1 not superior to TH

1. linje?

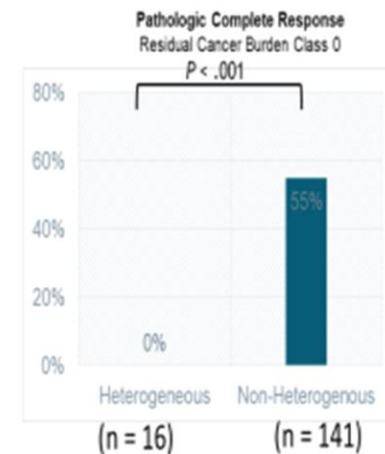


Kristine Trial: Chemo superior to TDM1 for pCR

Neo-adjuverende?



T-DM1+ P has no pCR benefit In heterogenous HER2+ EBC



KATHERINE: T-DM1 superior to Trastuzumab for HER2+ Residual Disease

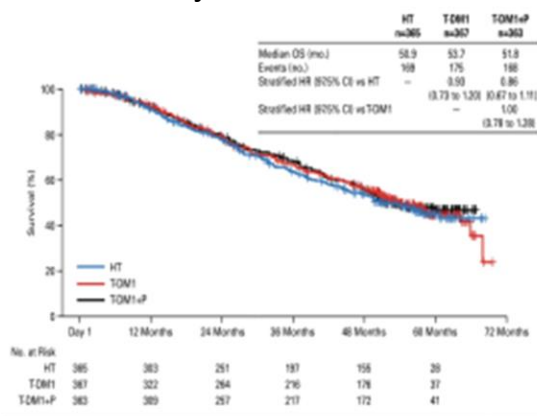
- Centrally confirmed HER2-positive breast cancer
- cT1-4/N0-3/M0 at presentation (cT1a-b/N0)
- Received neoadjuvant therapy
 - Minimum 4 cycles
- Pathologic complete response (pCR)

TDM1 blev herefter standardbehandling til patienter med restsygdom efter HER2-rettet behandling

N Engl J Med 2019; 380:617-62

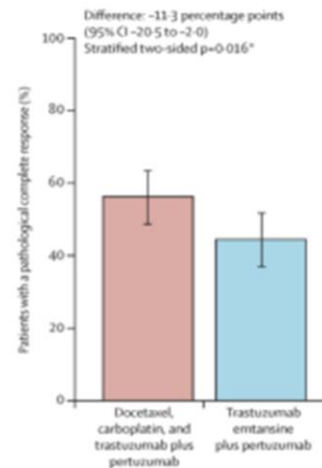
Marianne Trial: TDM1 not superior to TH

1. linje?

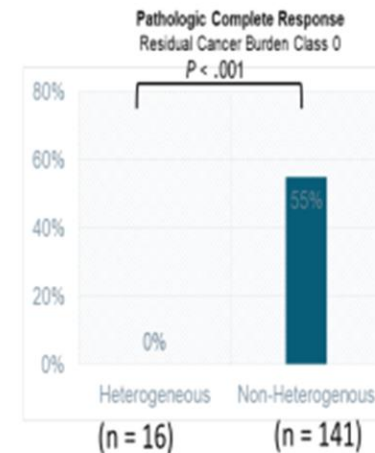


Kristine Trial: Chemo superior to TDM1 for pCR

Neo-adjuverende?



T-DM1+ P has no pCR benefit In heterogenous HER2+ EBC

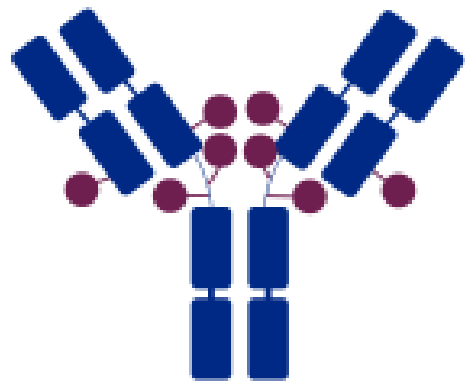


Trastuzumab Deruxtecan (T-DXd): Next Generation HER2 ADC

Characteristic Differences Between T-DXd and T-DM1

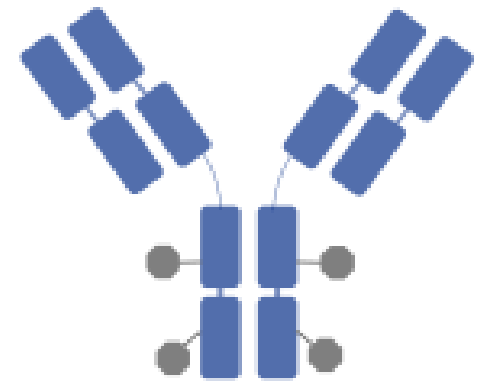
HER2 Targeting ADCs with similar mAB Backbone

**Trastuzumab
deruxtecan
(T-DXd)**



T-DXd	ADC Attributes	T-DM1
Topoisomerase I inhibitor	Payload MoA	Anti-microtubule
~8:1	Drug-to-antibody ratio	~3.5:1
Yes	Tumor-selective cleavable linker?	No
Yes	Evidence of bystander anti-tumor effect?	No

**Trastuzumab
emtansine
(T-DM1)**



MOA
 Rinnerthaler,
 Int. J. Mol.
 Sci. 2019

Classical ADC mode of action

ADC binding to HER2 receptor

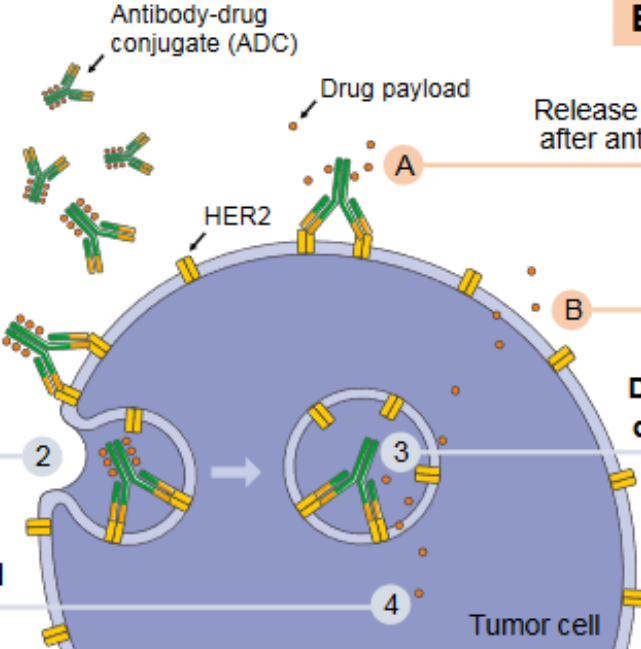
1

Internalization by endocytosis

2

Cytotoxic effect induced by drug payload

4



Bystander killing effect

Release of drug payload from the antibody after antigen binding before internalization

Drug payload

A

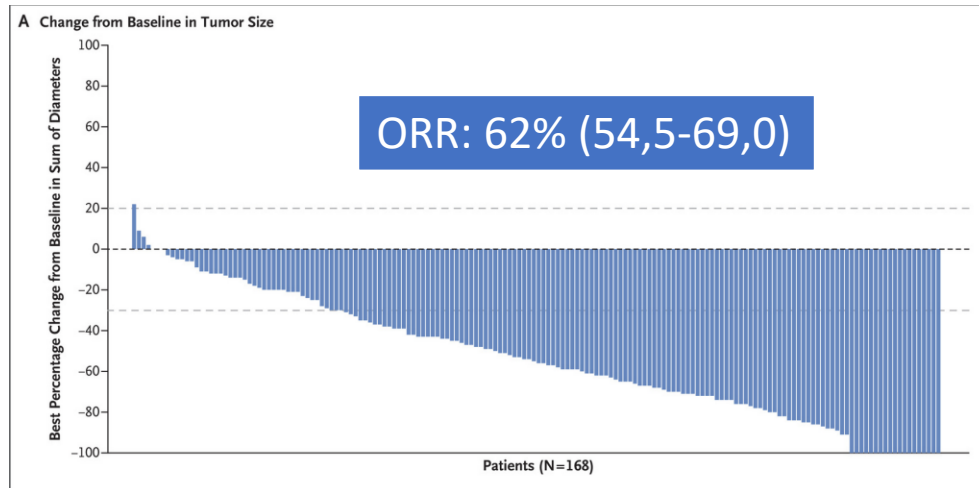
Release of drug payload into the intercellular space due to a high drug membrane permeability

B

Drug payload release after linker cleavage by lysosomal enzymes

A high drug-to-antibody ratio increases antitumoral efficacy despite a low HER2 antigen density on tumor cells

Destiny-01, fase II, mediant 6 tidlige behandlinger for HER2-positiv sygdom, alle TDM1



ILD	N	%
G1	7	3.8
G2	16	8.7
G3	1	0.5
G4	0	0
G5	5	2.7

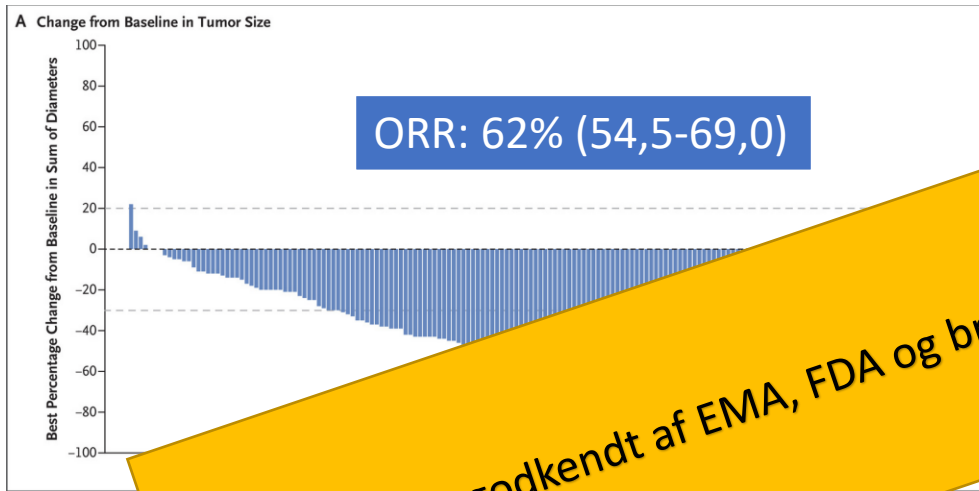
Efter 26.5 måneders follow-up

mPFS: 19.4 (95% CI, 14,1-25)

mOS: 29.1 (95% CI, 24.6-36.1)

Vs.

Destiny-01, fase II, mediant 6 tidligere behandlinger for HER2-positiv sygdom, alle TDM1



TDXD – nu godkendt af EMA, FDA og bruges som standard – fraset DK

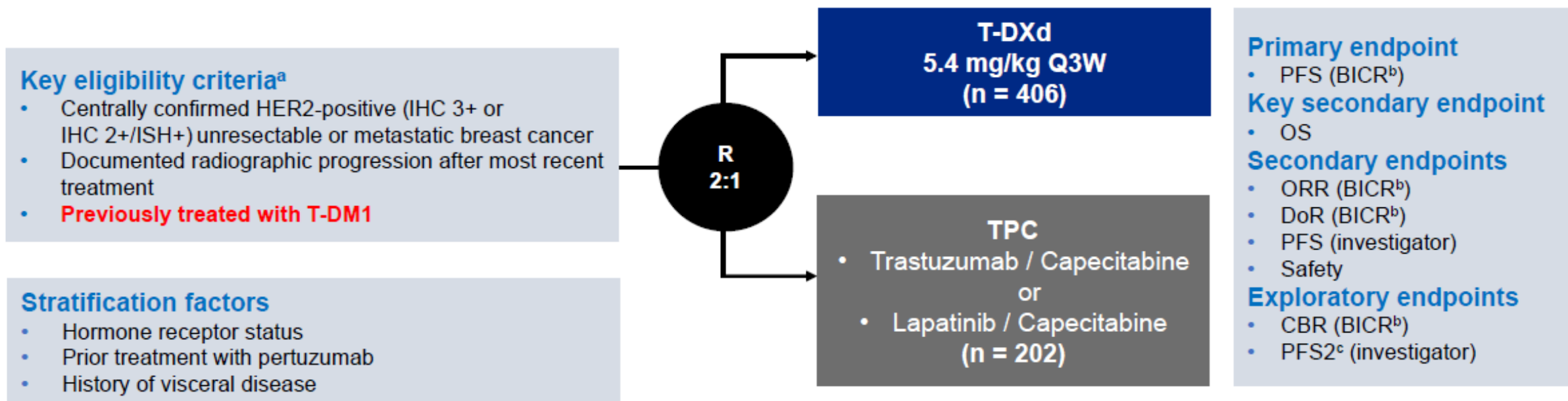
FS: 19.4 (95% CI, 14,1-25)
mOS: 29.1 (95% CI, 24.6-36.1)

ILD	N	%
		3.8
		8.7
	1	0.5
	0	0
G5	5	2.7

Vs.

DESTINY-Breast02

Randomized phase 3, open-label, multicenter study (NCT03523585)



At data cutoff (June 30, 2022), the median duration of follow-up^d was:

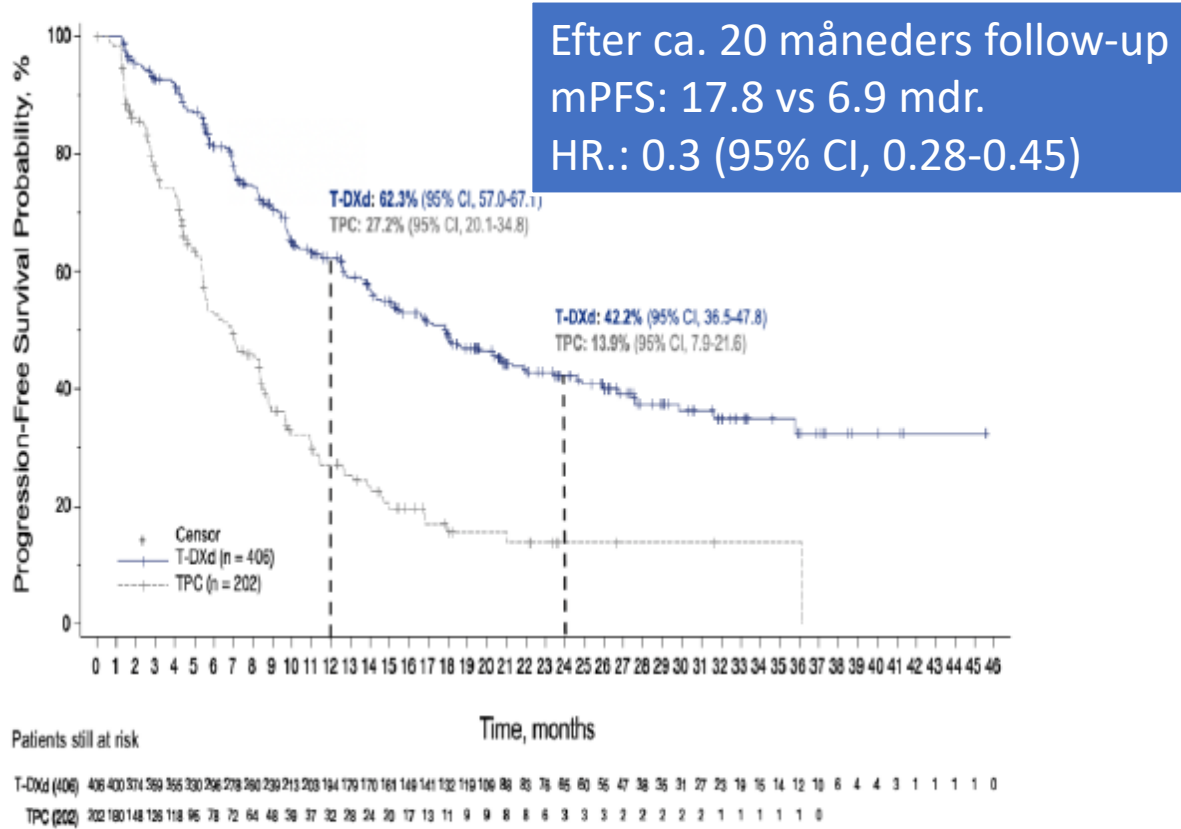
- 21.5 months** (range, 0.1-45.6 months) in the T-DXd arm
- 18.6 months** (range, 0-45.7 months) in the TPC arm

Prior therapy for MBC:

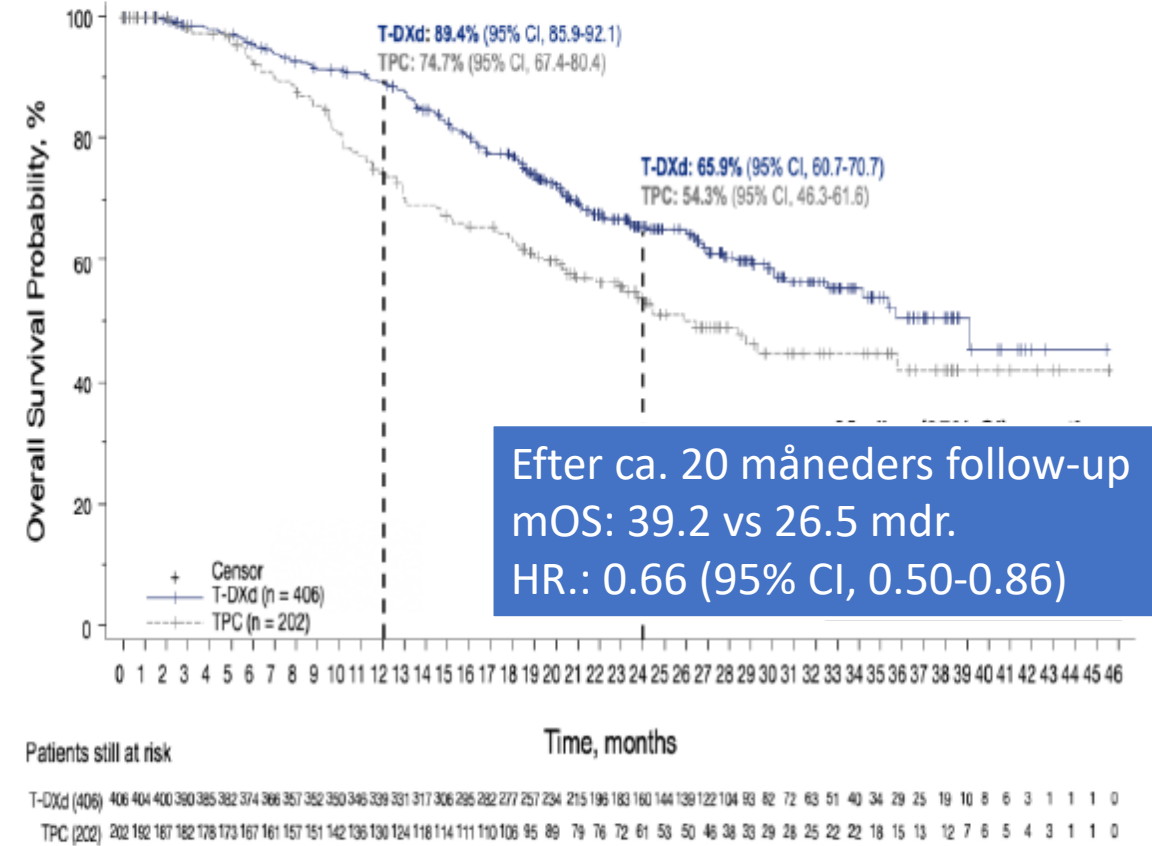
- 100% received prior trastuzumab
- 100% received prior T-DM1
- 78% received prior pertuzumab
- 6% received HER2 TKI
- Median lines of prior tx: 2

DESTINY-Breast02: Efficacy endpoints

Primary Endpoint: PFS by BICR



Key Secondary Endpoint: OS

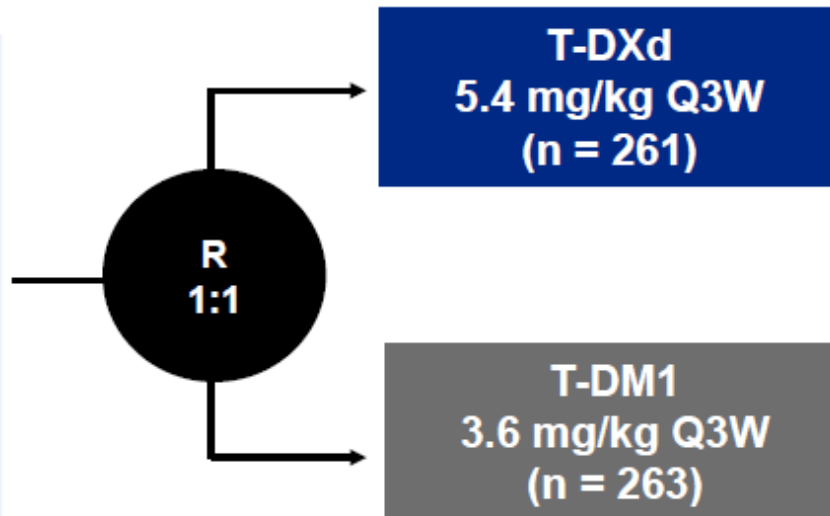


n (%)	Adjudicated as Drug-related ILD ^a					
	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Any Grade
T-DXd (n = 404)	11 (2.7)	26 (6.4)	3 (0.7)	0	2 (0.5)	42 (10.4)
TPC (n = 195)	0	0	1 (0.5)	0	0	1 (0.5)

Destiny-03, fase III, 2 linje – alle tidl. behandlet med trastuzumab + taxan

Patients

- Unresectable or metastatic HER2-positive breast cancer
- **Previously treated with trastuzumab and taxane in advanced/metastatic setting**
- Progression during or <6 months after completing adjuvant therapy involving trastuzumab and taxane



Primary endpoint

- PFS (BICR)

Key secondary endpoint

- OS

Secondary endpoints

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

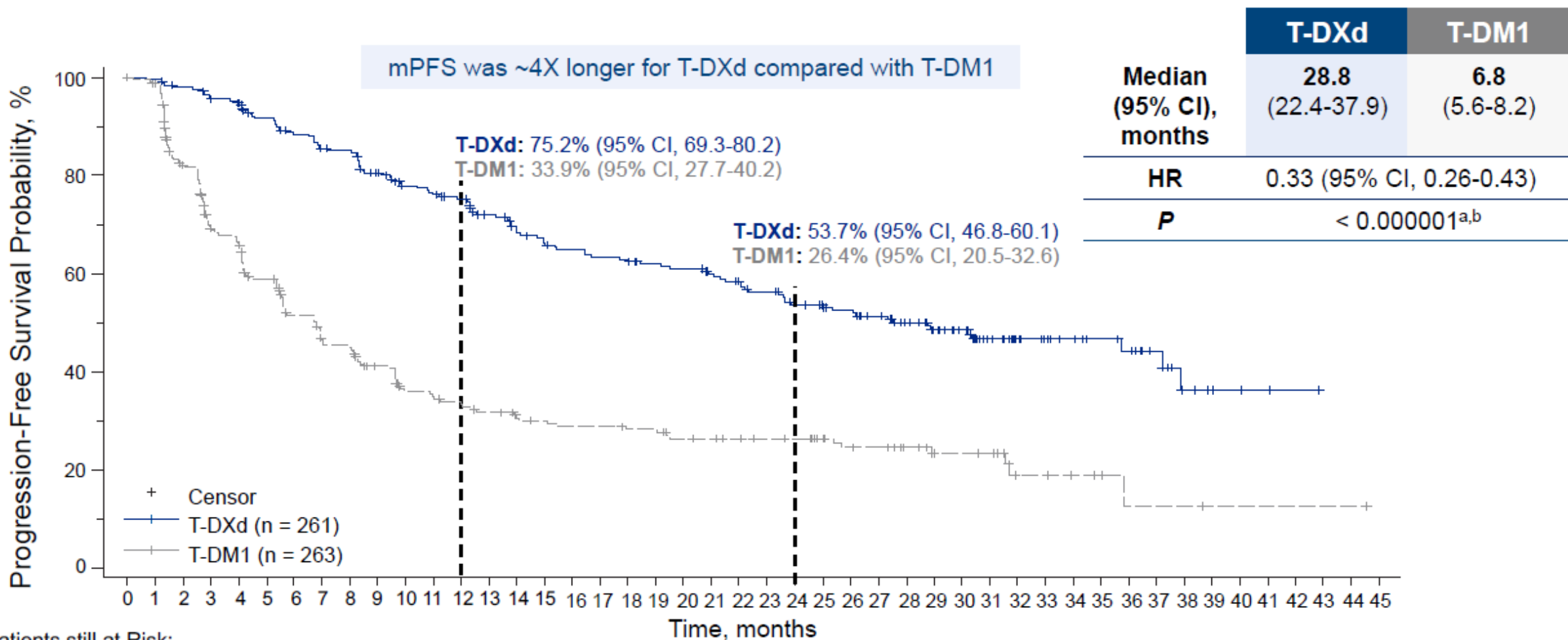
Median study follow-up

- T-DXd arm: 28.4 months (range, 0.0-46.9 months)
- T-DM1 arm: 26.5 months (range, 0.0-45.0 months)

Prior therapy for MBC:

- 100% received prior trastuzumab
- ~60% received prior pertuzumab
- ~15% received other HER2 Tx
- Median lines of prior tx: 2
- One line of Tx: ~40%

Updated Primary Endpoint: PFS by BICR



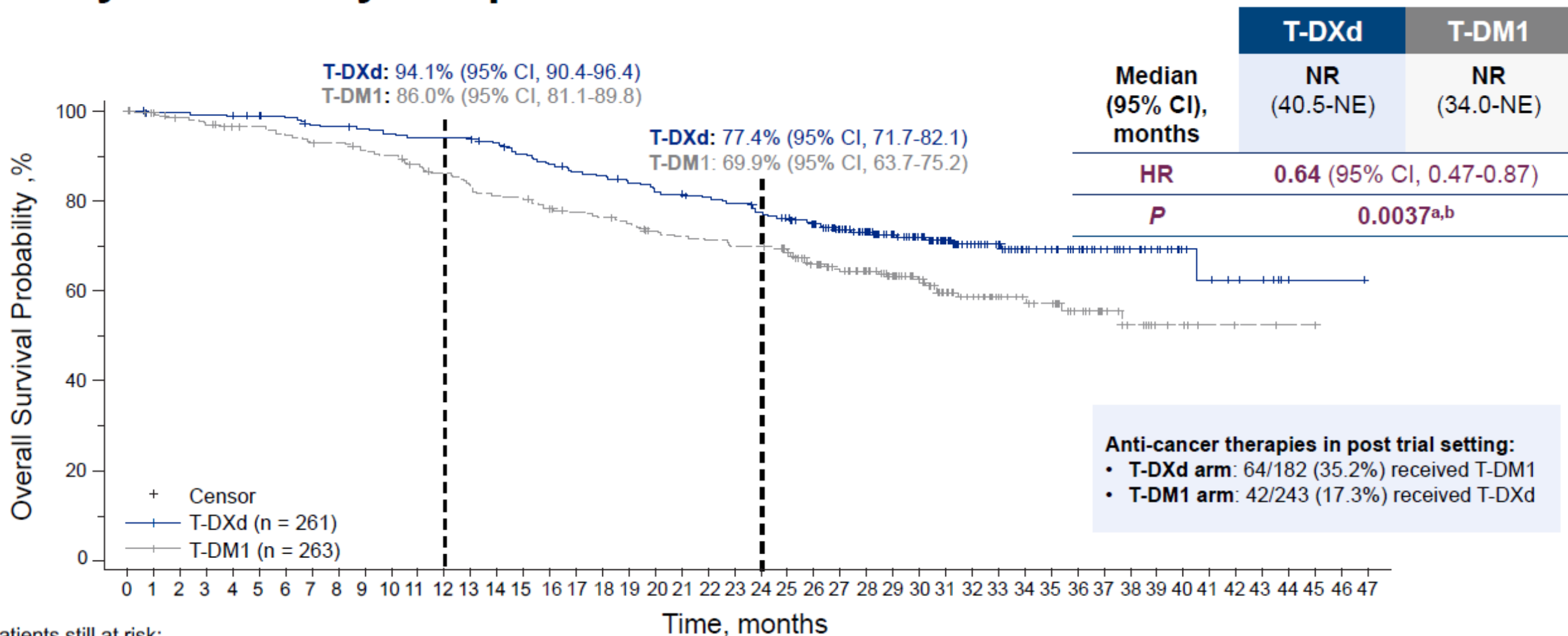
Patients still at Risk:

T-DXd	261	256	250	244	240	225	216	207	205	191	176	173	167	154	146	140	134	131	130	125	123	117	113	107	99	96	90	82	73	64	55	41	32	28	23	20	18	13	7	5	4	2	1	0		
T-DM1	263	253	201	164	156	134	111	99	96	81	69	67	63	58	54	51	49	49	47	47	42	41	39	37	36	32	28	27	22	19	15	14	8	7	6	4	2	2	2	1	1	1	1	1	1	0

BICR, blinded independent central review; HR, hazard ratio; mo, month; mPFS, median progression-free survival; PFS, progression-free survival; T-DM1, trastuzumab emtansine; T-DXd, trastuzumab deruxtecan.

^aTwo-sided, from stratified log rank test. ^bNominal P value.

Key Secondary Endpoint: Overall Survival



Patients still at risk:

T-DXd	261	256	256	255	254	251	249	244	243	241	238	236	236	231	224	218	213	211	206	201	200	196	193	187	182	173	156	142	124	109	91	73	64	51	44	38	30	22	18	11	9	7	6	1	1	1	0
T-DM1	263	257	252	248	243	242	237	233	232	227	224	217	211	203	199	197	191	186	183	179	172	169	167	164	164	158	140	129	117	106	90	70	59	45	41	38	27	20	15	8	7	4	3	3	1	1	0

HR, hazard ratio; mOS, median overall survival; NE, not estimable; NR, not reached; T-DM1, trastuzumab emtansine; T-DXd, trastuzumab deruxtecan.

There were 19 patients (7.3%) treated with T-DXd and 28 patients (10.6%) treated with T-DM1 who were lost to follow-up.

^aThe P value for overall survival crossed the prespecified boundary ($P = 0.013$) and was statistically significant. ^bTwo-sided from stratified log-rank test.

Confirmed ORR and Lung Safety Endpoints

	T-DXd n = 261 ^a	T-DM1 n = 263 ^a
Confirmed ORR by BICR		
n (%)	205 (78.5)	92 (35.0)
[95% CI]	[73.1-83.4]	[29.2-41.1]
Nominal P value	< 0.0001	
CR, n (%)	55 (21.1)	25 (9.5)
PR, n (%)	150 (57.5)	67 (25.5)
SD, n (%)	47 (18.0)	110 (41.8)
PD, n (%)	3 (1.1)	47 (17.9)
NE, n (%)	6 (2.3)	14 (5.3)
CBR, n (%) [95% CI]	233 (89.3) [84.9-92.8]	122 (46.4) [40.2-52.6]
Nominal P value	< 0.0001	

Adjudicated Drug-Related Interstitial Lung Disease/Pneumonitis

	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Any grade
T-DXd (n = 257)	11 (4.3)	26 (10.1)	2 (0.8)	0	0	39 (15.2)
T-DM1 (n = 261)	4 (1.5)	3 (1.1)	1 (0.4)	0	0	8 (3.1)

- With longer treatment exposure and follow-up, the ILD/pneumonitis rate increased from 10.5% in the PFS interim analysis³ to 15.2%
 - There were 4 additional grade 1, 8 additional grade 2, and no additional grade 3 events
- There were no adjudicated drug-related grade 4 or 5 events

Destiny Breast 03 supports T-DXd as the superior HER2 ADC and the preferred 2nd line therapy for HER2+ MBC today

Confirmed ORR and Lung Safety Endpoints

	T-DXd n = 261 ^a	T-DM1 n = 263 ^a	Adjudicated Drug-Related Pneumonitis
Confirmed ORR by BICR			
n (%)	205 (78.5)	92 (35.0)	
[95% CI]	[73.1-83.4]	[29.2-40.8]	
Nominal P value	≤ 0.0001		
CR, n (%)	55 (21.1)	10 (3.8)	
PR, n (%)	150 (57.4)	82 (31.2)	
SD, n (%)	100 (38.3)	171 (65.0)	
Any grade			
grade 1	10 (3.8)	10 (3.8)	
grade 2	10 (3.8)	10 (3.8)	
grade 3	0	0	
grade 4	0	0	
grade 5	0	0	
Any grade	0	0	39 (15.2)
grade 1	0	0	8 (3.1)
grade 2	0	0	0
grade 3	0	0	0
grade 4	0	0	0
grade 5	0	0	0

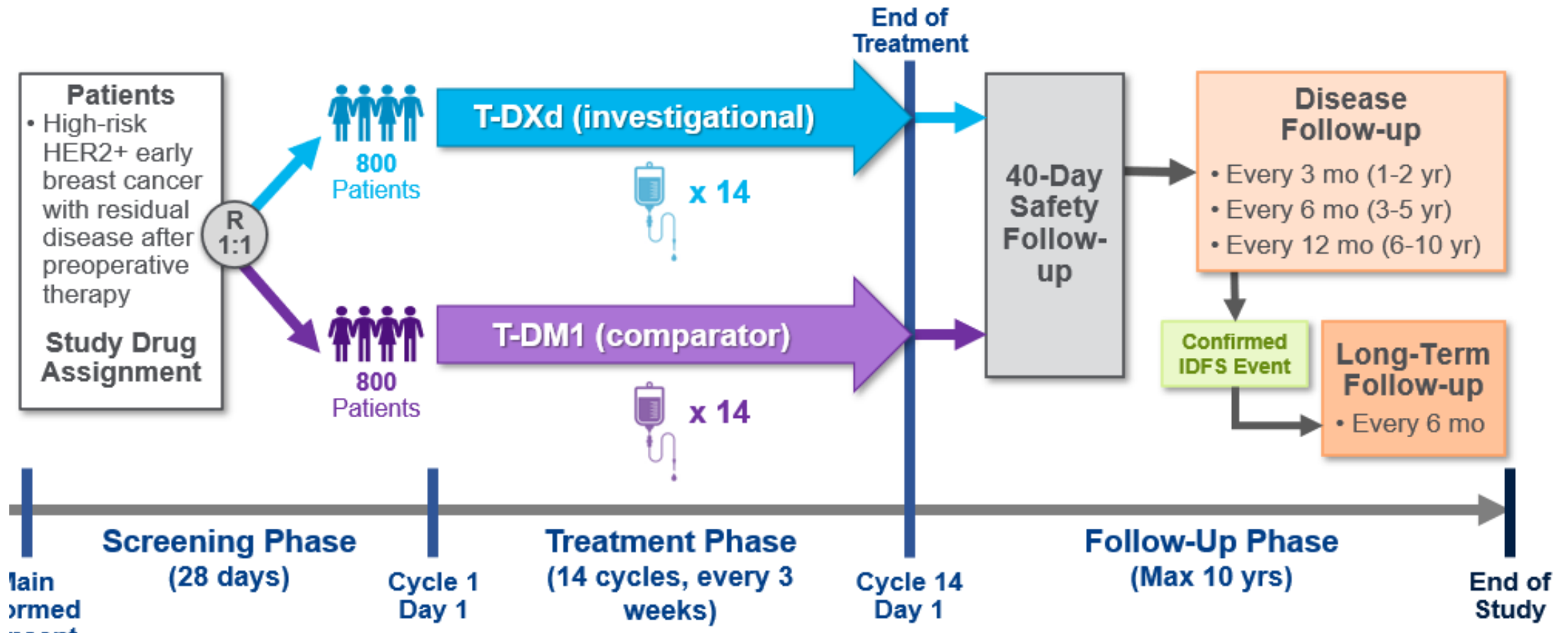
TDxD – nu (maj 22) godkendt af FDA og EMA (juni 22) som 2 linje
 behandling til HER2-positiv mBC
 DK afventer....

- There were 4 additional grade 1, 8 additional grade 2, and no additional grade 3 events
- There were no adjudicated drug-related grade 4 or 5 events

Breast 03 supports T-DXd as the superior HER2 ADC
 and the preferred 2nd line therapy for HER2+ MBC today

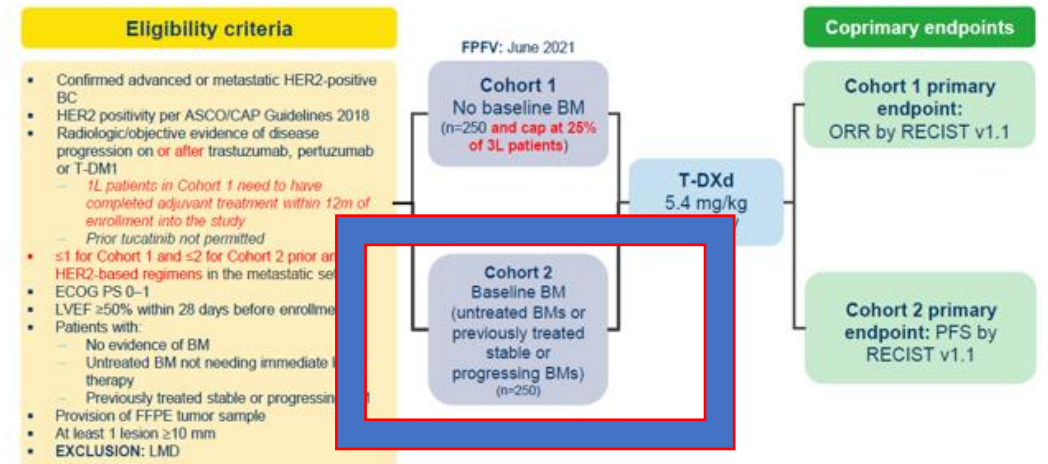
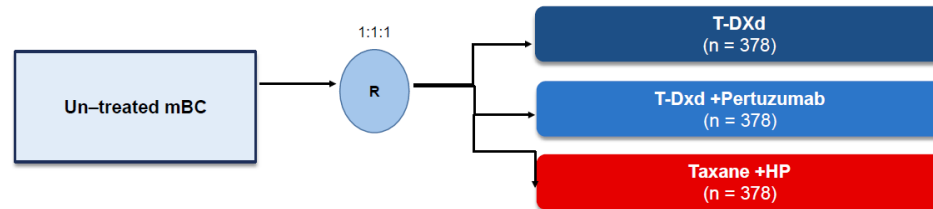
Powell CA et al. *ESMO Open* 2022; 7(4): 100554. 3. Cortes J et al. *N Engl J Med.* 2022;386:1143-1154.

Destiny-05 Post-neoadjuvant til HER2-positive patienter, der efter NACT har residual sygdom



Destiny-09 og 12 – i Danmark

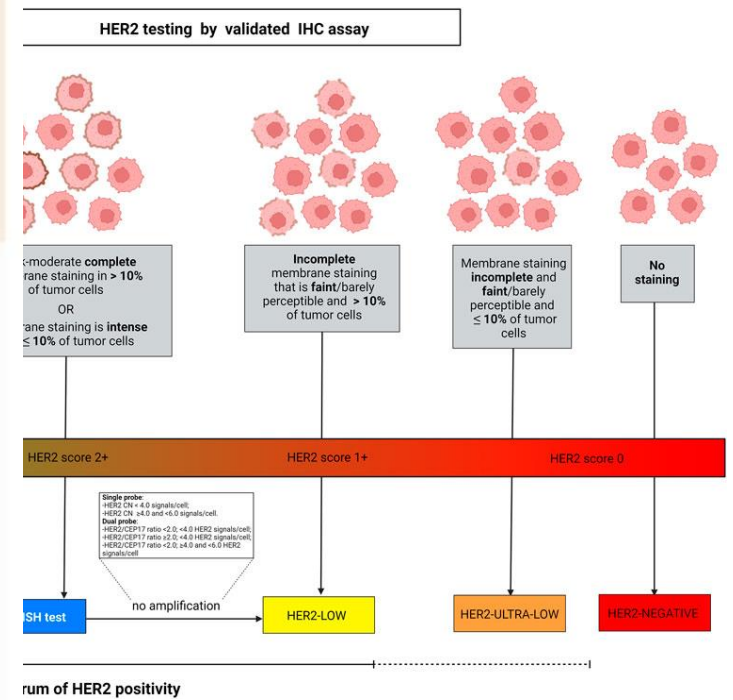
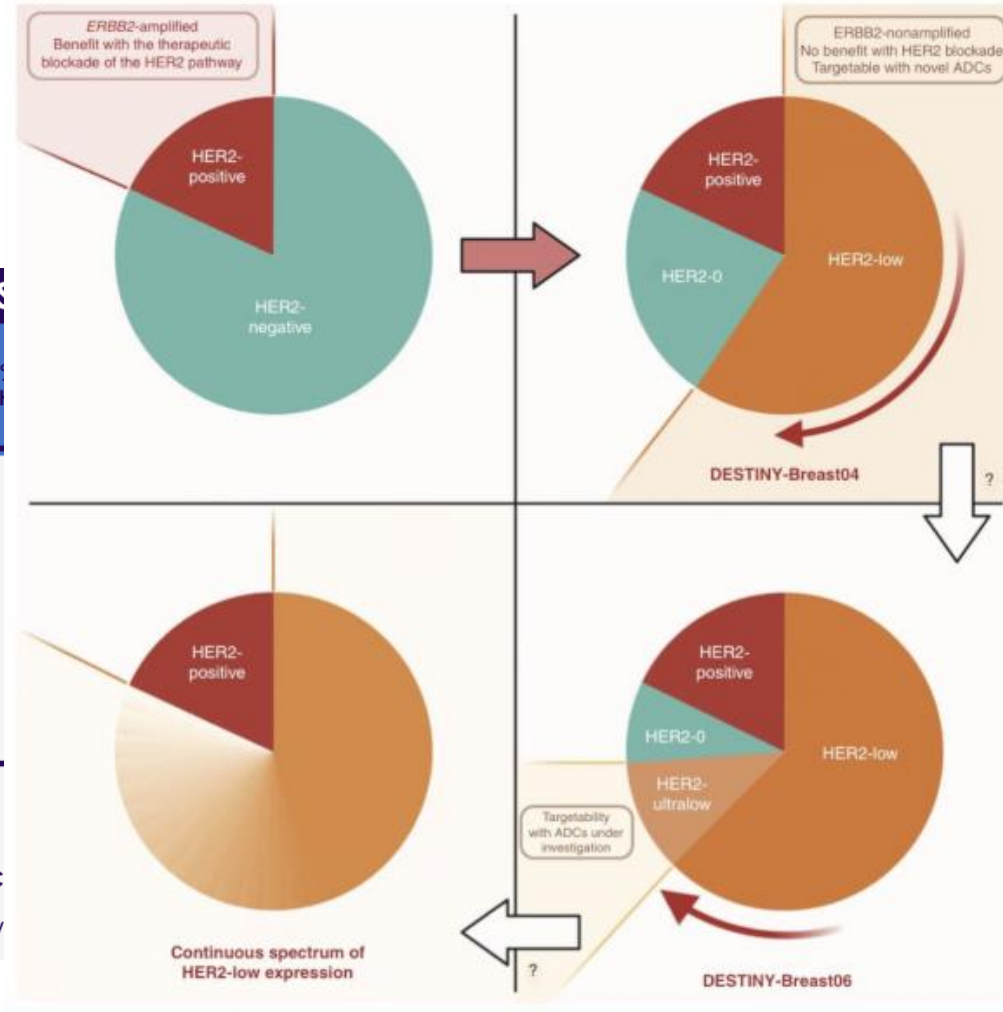
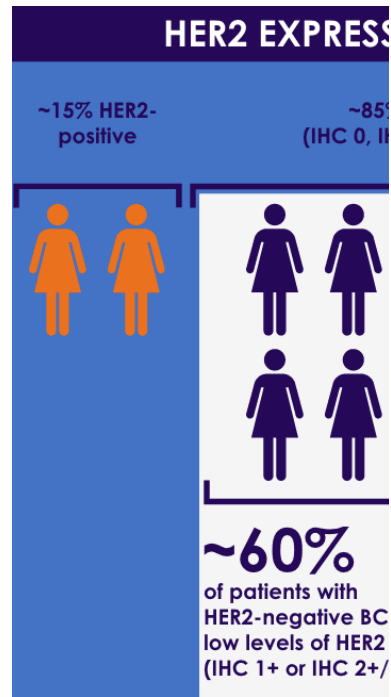
1 linje



HER2-low

Et paradigmeskift

HER2-low

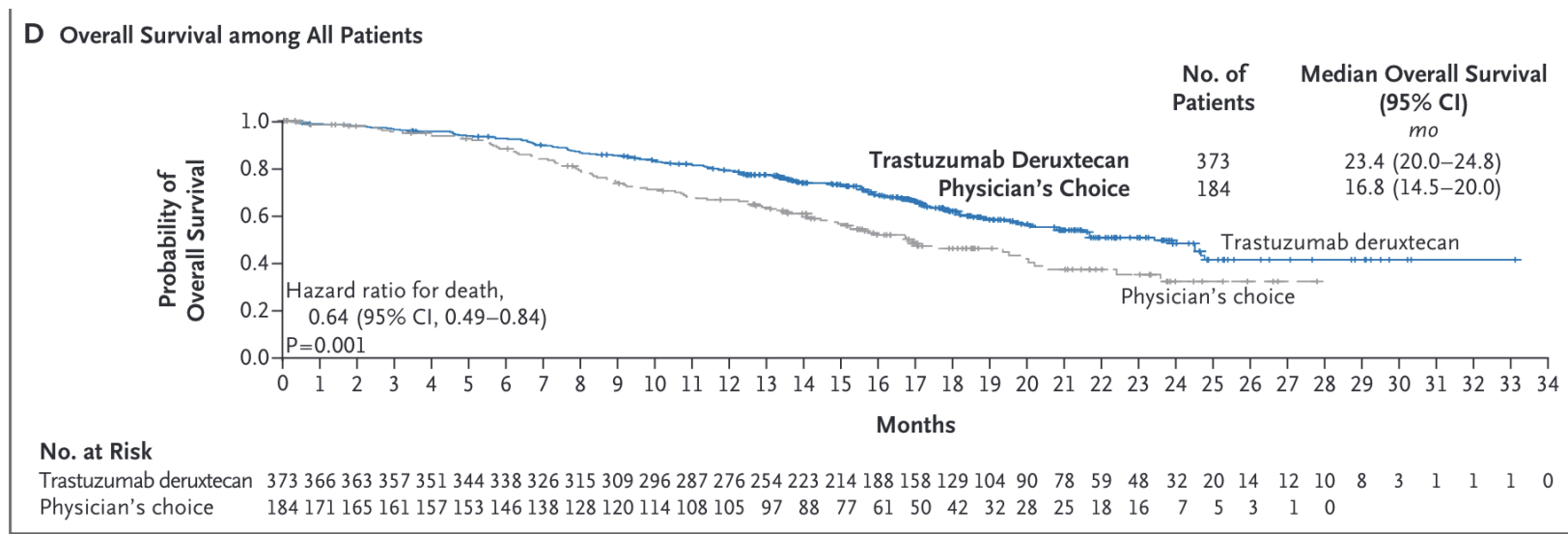


Destiny-04. Fase III forsøg til HER2-low patienter. TDXD vs. standard kemoterapi

N = 557, 89% ER+, 11% ER-

Ca. 70%, havde fået en CDK4/6-inhibitor

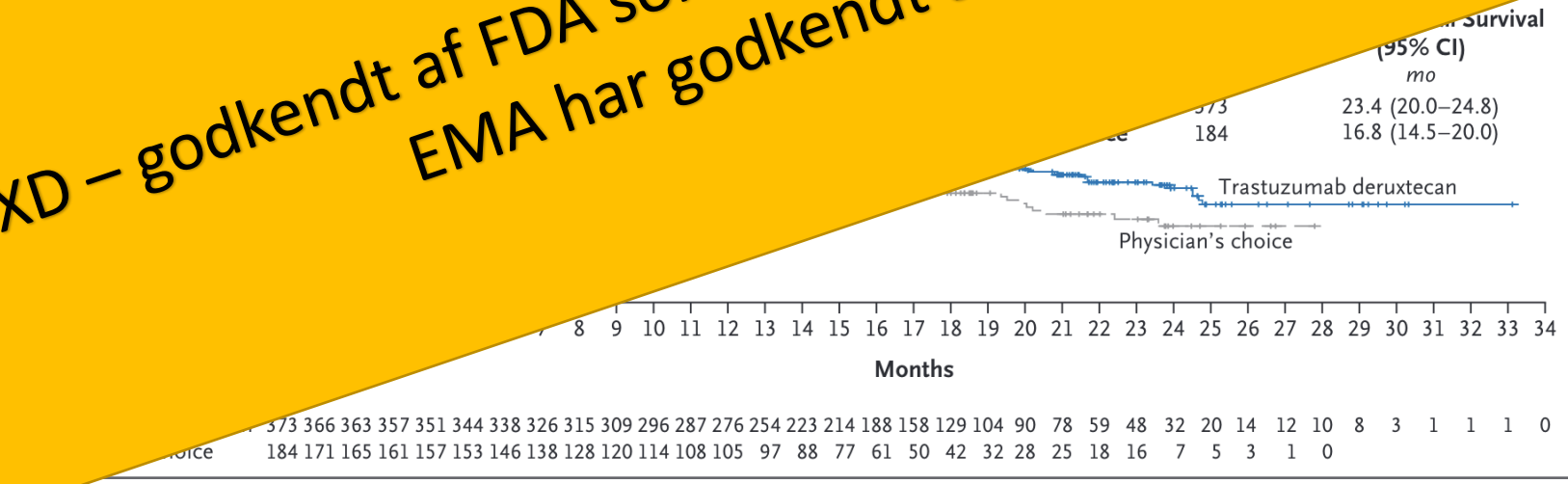
modtaget mediant 3 linjer behandling for metastatisk sygdom



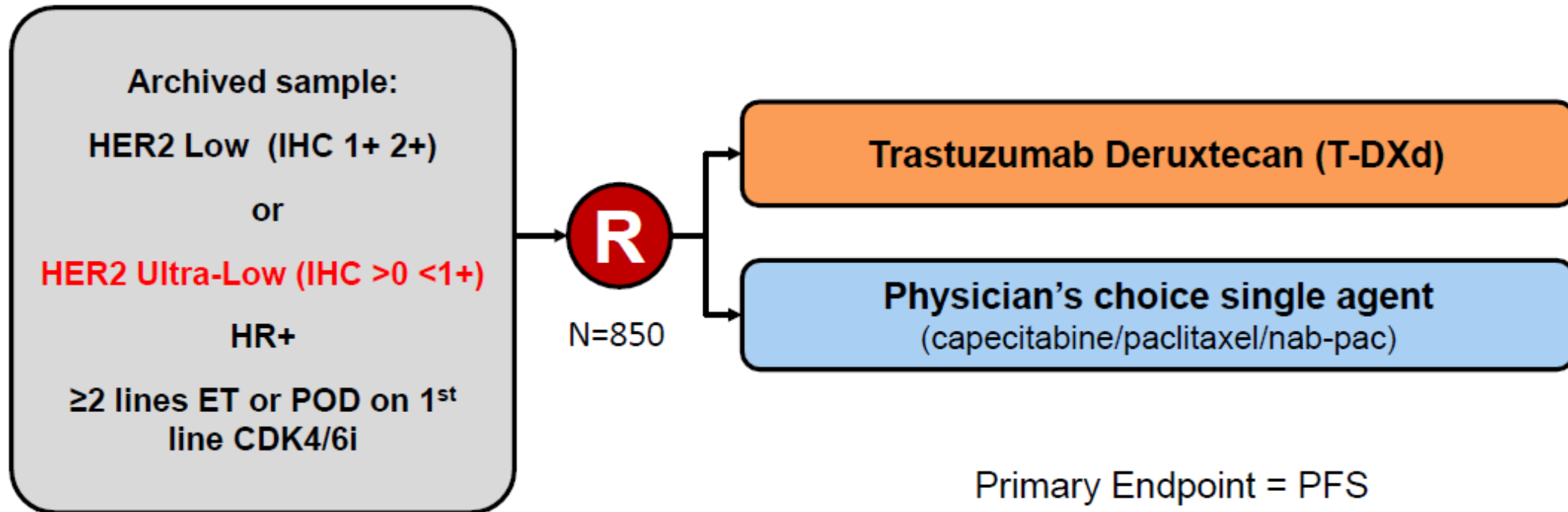
Destiny-04. Fase III forsøg til HER2-low patienter. TDXD vs. standard kemoterapi

N = 557, 89% ER+, 11% ER-
Ca. 70%, havde fået en CDK4/6-inhibitor
modtaget mediant 2

TDXD – godkendt af FDA som 2 linje behandling til HER2-low mBC
EMA har godkendt ansøgningen



Destiny-06. Fase III forsøg til HER2-low el. 0 patienter. TDXD vs. standard kemoterapi



Destiny-06. Fase III forsøg til HER2-low el. 0 patienter. TDXD vs. standard kemoterapi

Archived sample:
HER2 Low (IHC 1+ 2+)
or

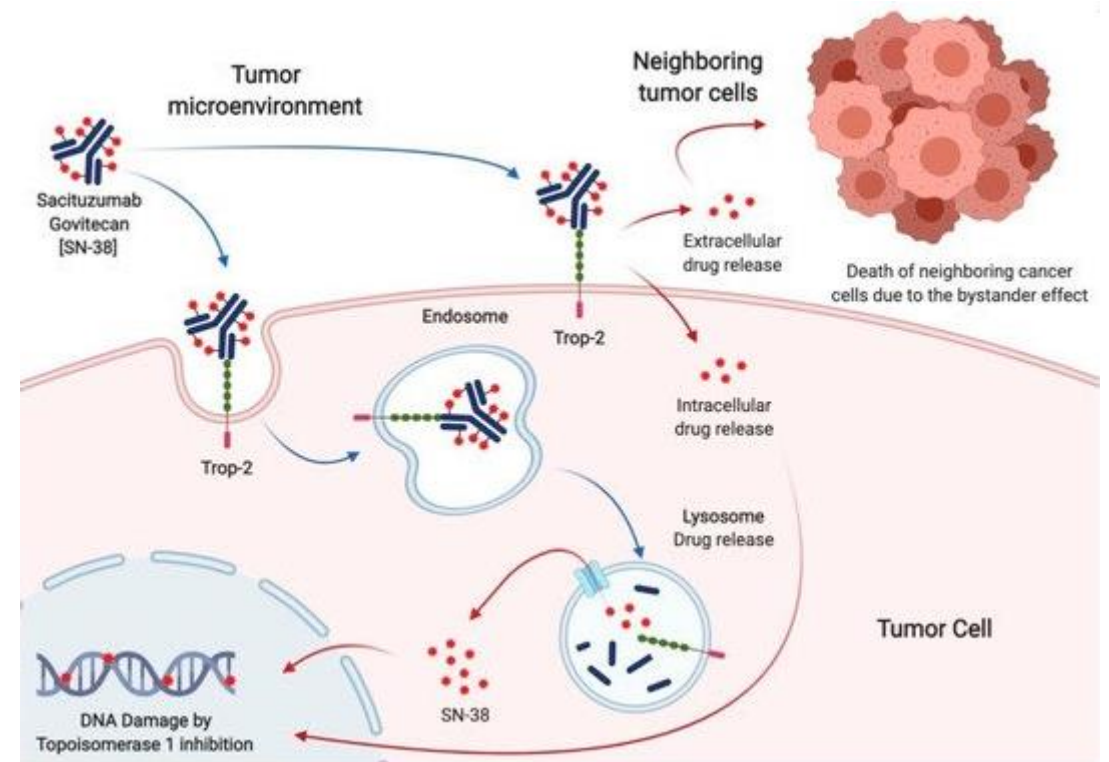
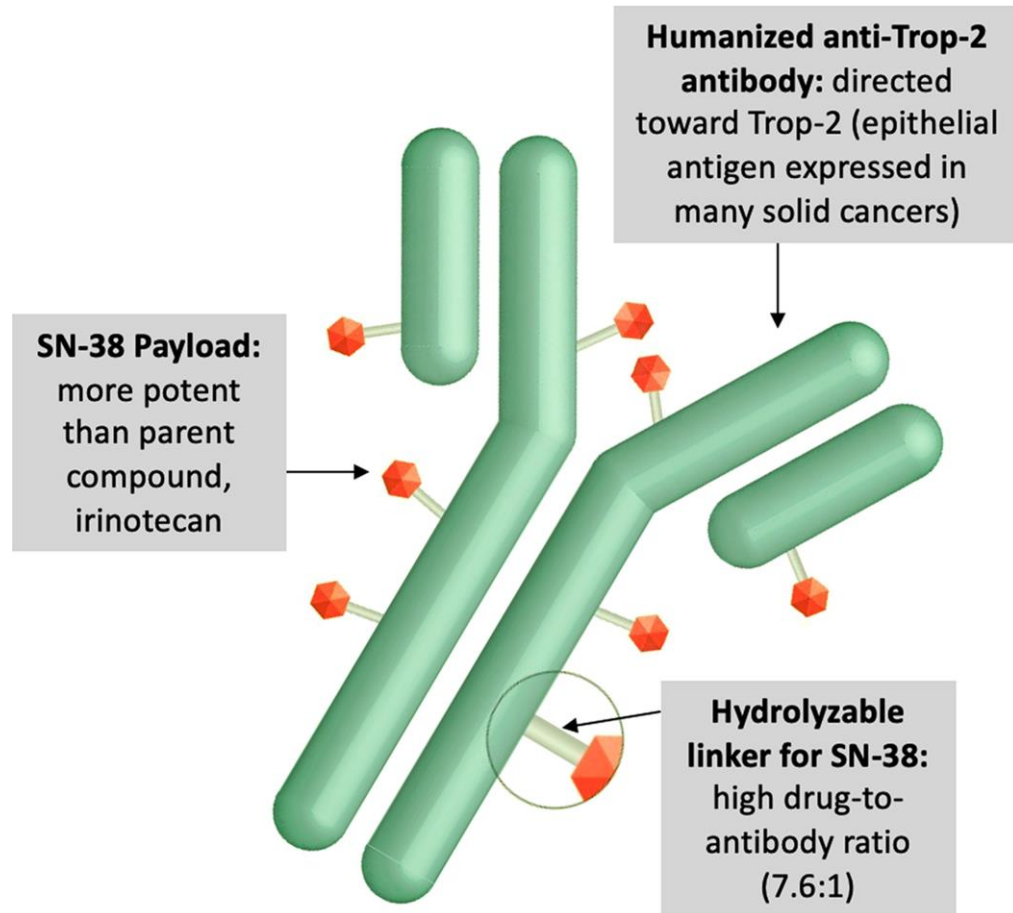
HER2 Ultra-Low (IHC 0)

Protokol lige lukket

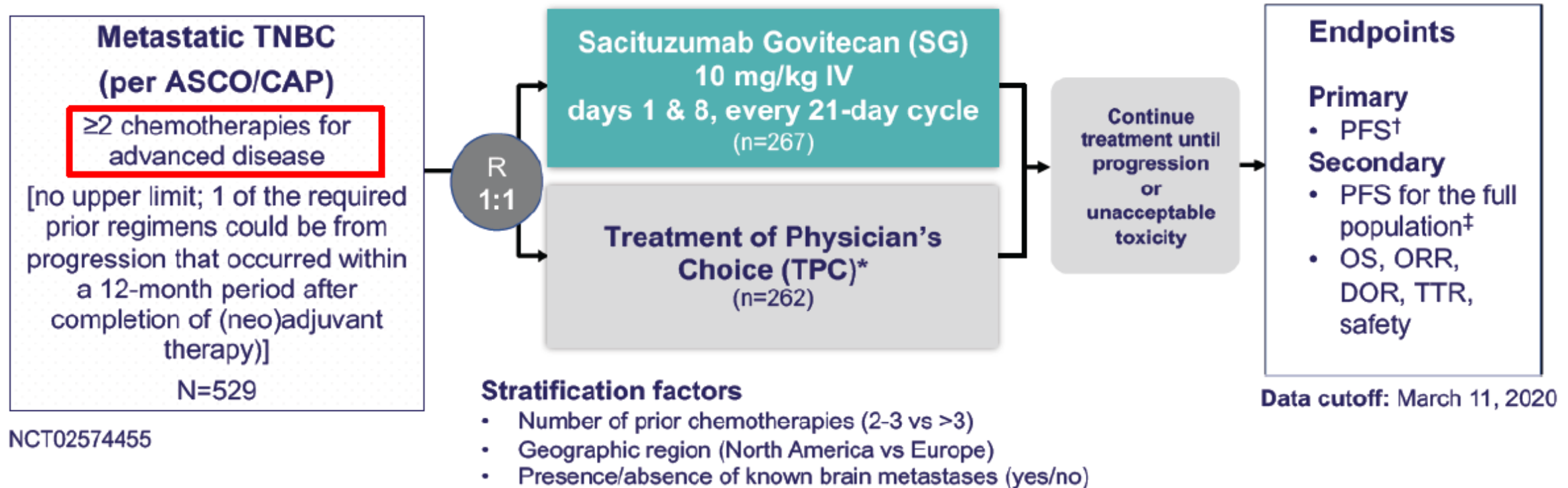
Primary Endpoint = PFS

TROP2-Targeteting ADCs

Sacituzumab Govitecan (sniger sig ind via tumor-associated calcium signal transducer 2)

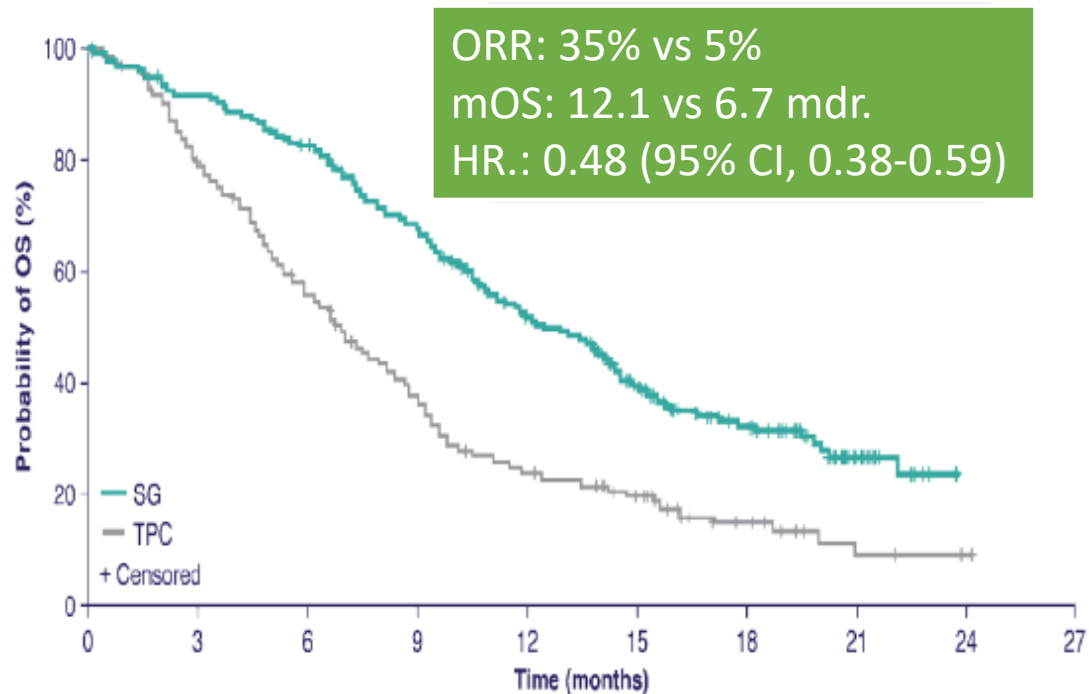


Ascent. Fase III forsøg til ER-, HER2- mBC SG vs standard.



* TPC options: capecitabine, eribulin, gemcitabine, vinorelbine

ASCENT: Sacituzumab Associated With 52% Increase in OS!



Number of patients at risk

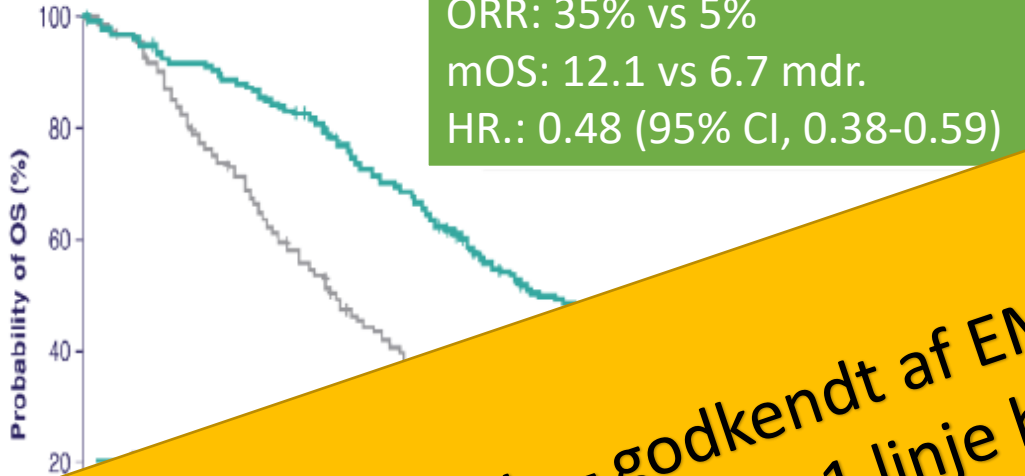
Time (months)	0	3	6	9	12	15	18	21	24																	
SG	235	228	220	214	206	197	190	174	161	153	135	118	107	101	90	70	52	43	37	30	21	13	8	1	0	0
TPC	233	214	200	173	156	134	117	99	87	74	56	50	45	41	37	30	20	14	11	7	4	3	3	2	1	0

Treatment-related discontinuation rates: Sacituzumab 4.7%, TPC 5.4%

TRAEs (All Grade, >20%; Grade 3/4, >5% of Patients)

TRAE*	SG (n=258)			TPC (n=224)			
	All grade %	Grade 3, %	Grade 4, %	All grade, %	Grade 3, %	Grade 4, %	
Hematologic	Neutropenia [†]	63	46	17	43	27	13
	Anemia [†]	34	8	0	24	5	0
	Leukopenia [§]	16	10	1	11	5	1
	Febrile neutropenia	6	5	1	2	2	<1
Gastrointestinal	Diarrhea	59	10	0	12	<1	0
	Nausea	57	2	<1	26	<1	0
	Vomiting	29	1	<1	10	<1	0
Other	Fatigue	45	3	0	30	5	0
	Alopecia	46	0	0	16	0	0

ASCENT: Sacituzumab Associated With 52% Increase in OS!



Sacituzumab – godkendt af EMA og FDA til patienter, der har modtaget mindst 1 linje behandling for deres mTNBC
 Afvist i DK

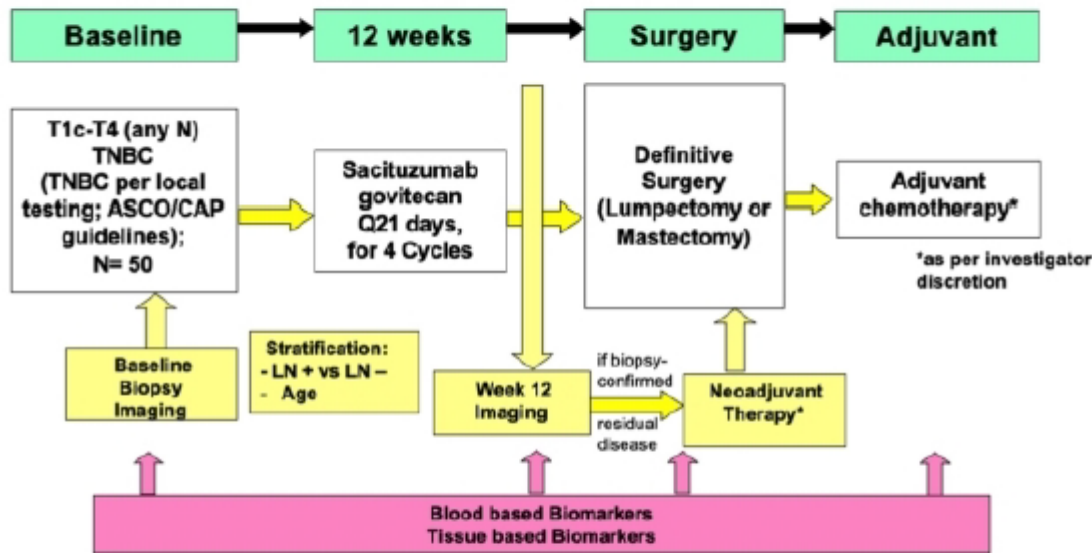
Treatment-related disc... ab 4.7%, TPC 5.4%

TRA...

of Patients)

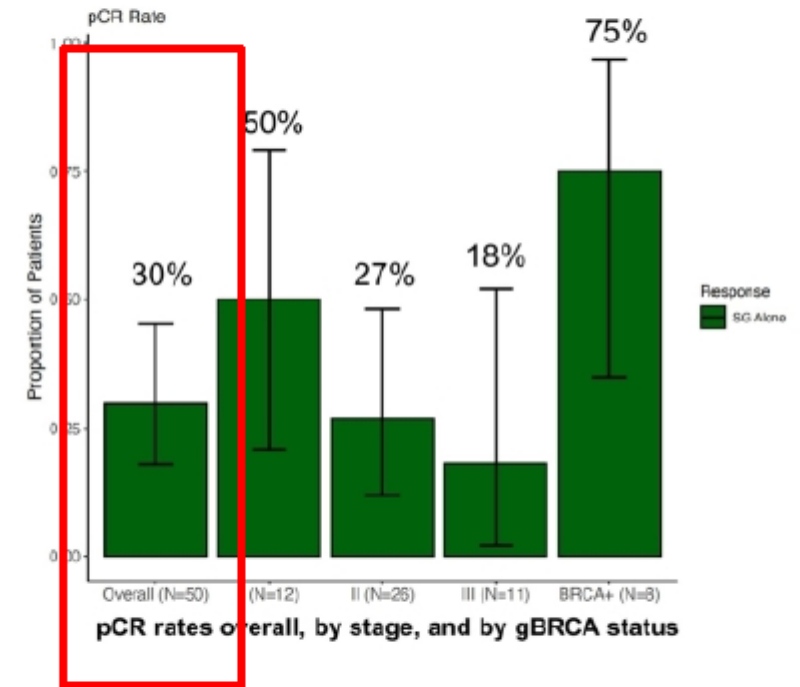
		TPC (n=224)					
					Grade 3, %	Grade 4, %	
Other	Nausea	59	10	0	12	<1	0
	Vomiting	29	1	<1	10	<1	0
	Fatigue	45	3	0	30	5	0
	Alopecia	46	0	0	16	0	0
			5	1	2	2	<1
			57	2	<1	26	<1

NeoSTAR Trial: neoadjuvant Sacituzumab for TNBC



N=50

Rates of pCR



Future plans: Consider optimal number of cycles and combinations

TROPiCS02. Fase III forsøg til ER+, HER2- mBC SG vs standard.

Metastatic or locally recurrent inoperable HR+/HER2- breast cancer that progressed after:

- At least 1 endocrine therapy, taxane, and CDK4/6i in any setting
- At least 2, but no more than 4, lines of chemotherapy for metastatic disease
 - (Neo)adjuvant therapy for early-stage disease qualified as a prior line of chemotherapy if disease recurred within 12 months

N=543

R
1:1

Sacituzumab govitecan
10 mg/kg IV
days 1 and 8, every 21 days
n=272

Treatment of physician's choice
(capecitabine, vinorelbine,
gemcitabine or eribulin)
n=271

Endpoints

Primary

- PFS by BICR

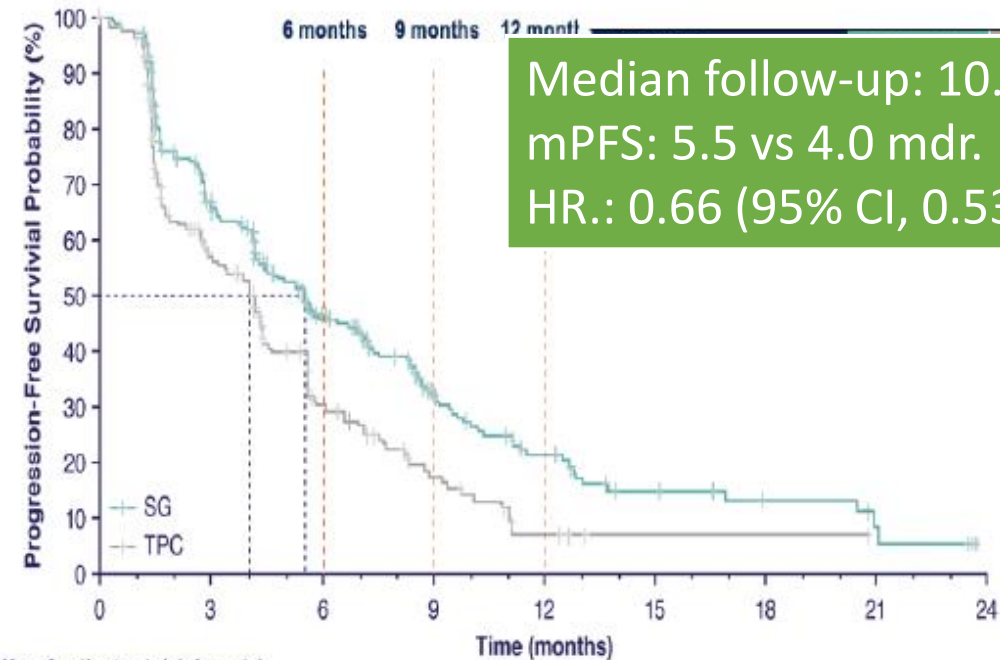
Secondary

- OS
- ORR, DOR, CBR by LIR and BICR
- PRO
- Safety

Median prior lines of therapy = 3
All patients had prior CDK4/6i therapy

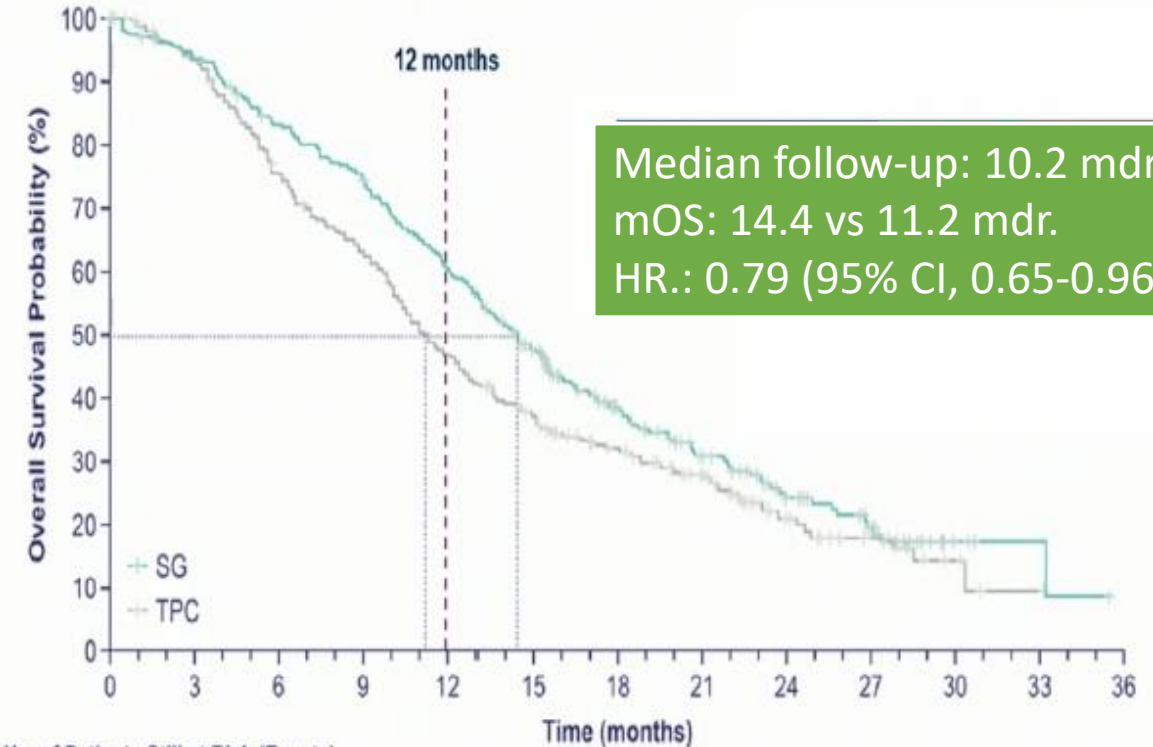
TROPiCS-02 Efficacy Endpoints

Progression Free Survival



No. of patients at risk (events)		0	3	6	9	12	15	18	21	24
SG	272 (0)	148 (83)	82 (124)	44 (146)	22 (160)	12 (166)	6 (167)	3 (169)	0 (170)	
TPC	271 (0)	105 (91)	41 (136)	17 (151)	4 (159)	1 (159)	1 (159)	0 (159)		

Overall Survival



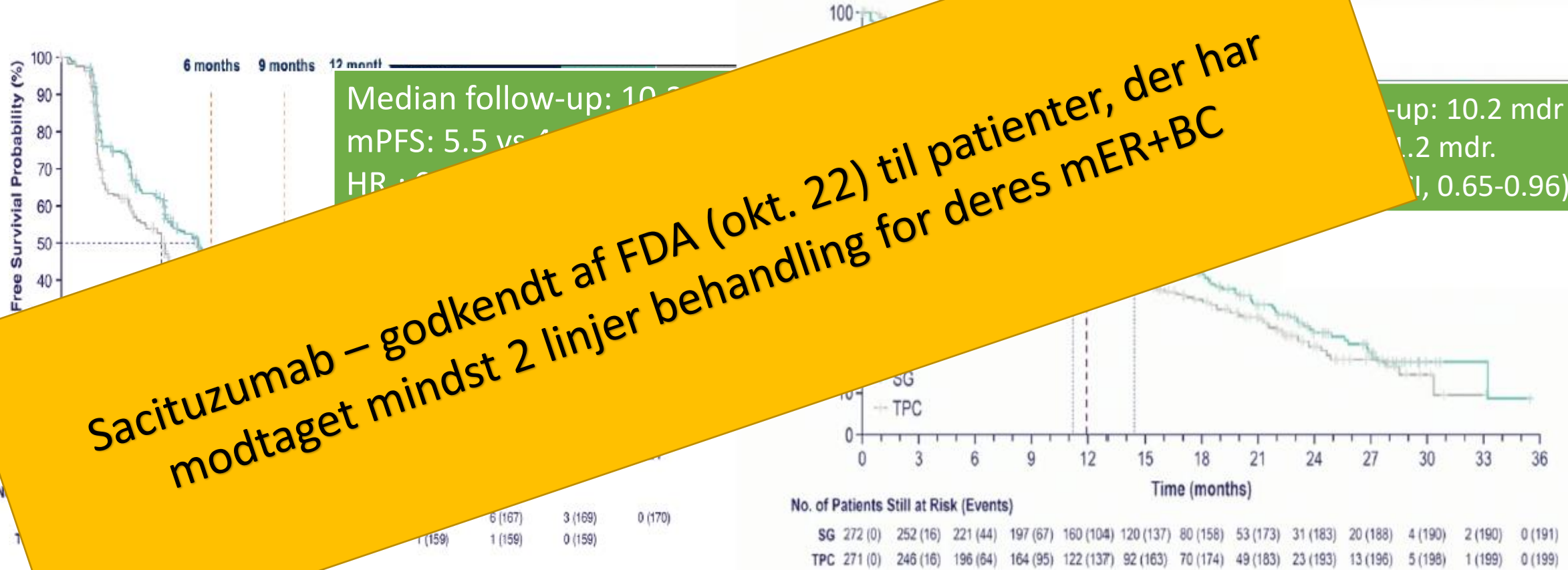
No. of Patients Still at Risk (Events)		0	3	6	9	12	15	18	21	24	27	30	33	36
SG	272 (0)	252 (16)	221 (44)	197 (67)	160 (104)	120 (137)	80 (158)	53 (173)	31 (183)	20 (188)	4 (190)	2 (190)	0 (191)	
TPC	271 (0)	246 (16)	196 (64)	164 (95)	122 (137)	92 (163)	70 (174)	49 (183)	23 (193)	13 (196)	5 (198)	1 (199)	0 (199)	

Median follow-up

BICR, blinded independent central review; ITT, intent-to-treat; PFS, progression-free survival; RECIST, Response Evaluation Criteria in Solid Tumors; SG, sacituzumab govitecan; TPC, treatment of physician's choice.

TROPiCS-02 Efficacy Endpoints

Progression Free Survival



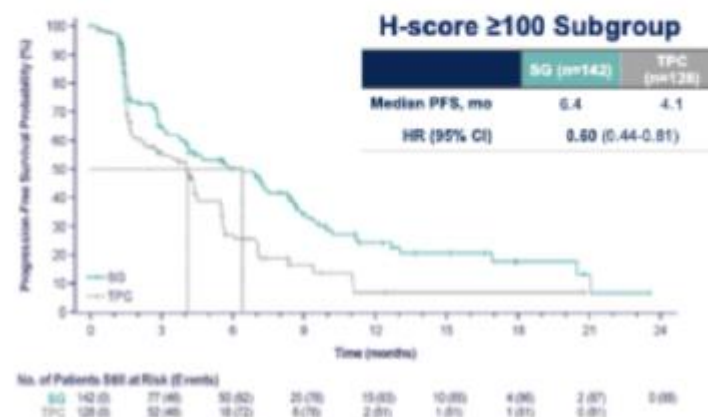
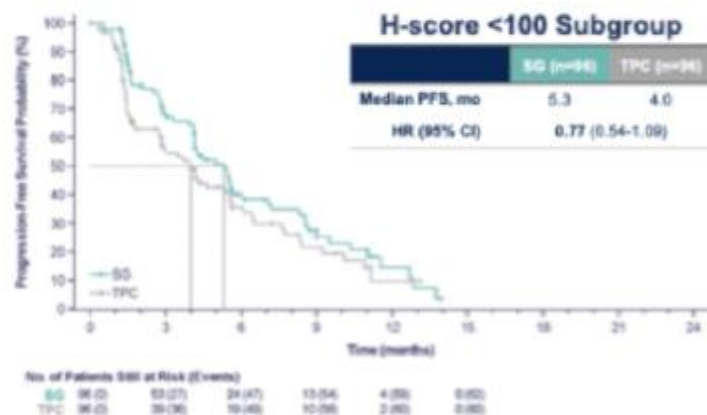
Sacituzumab – godkendt af FDA (okt. 22) til patienter, der har modtaget mindst 2 linjer behandling for deres mER+BC

Median follow-up

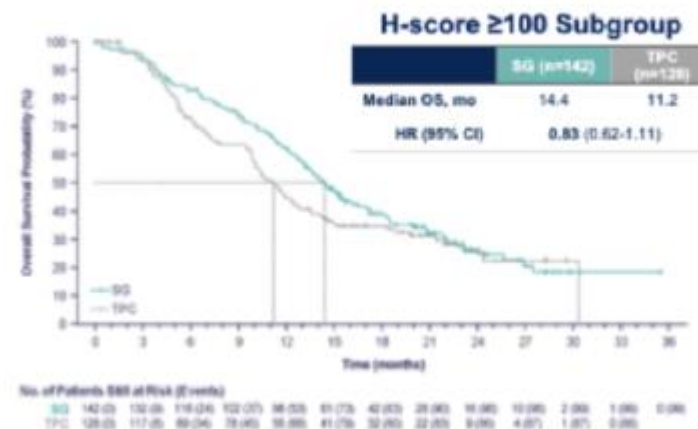
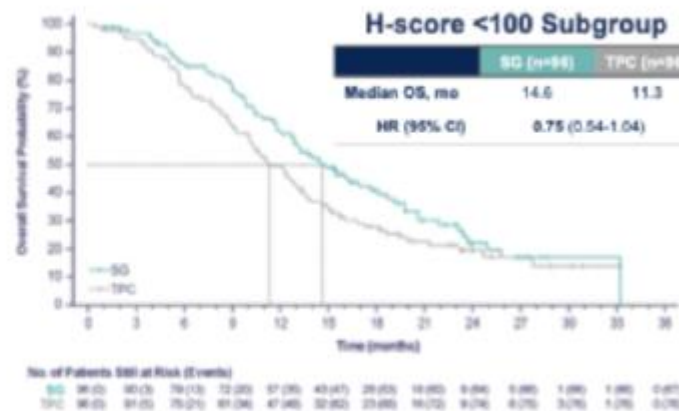
BICR, blinded independent central review; ITT, intent-to-treat; PFS, progression-free survival; RECIST, Response Evaluation Criteria in Solid Tumors; SG, sacituzumab govitecan; TPC, treatment of physician's choice.

Sacituzumab improves PFS and OS across TROP-2 expression levels in TROPICS- 02

Progression Free Survival (PFS)



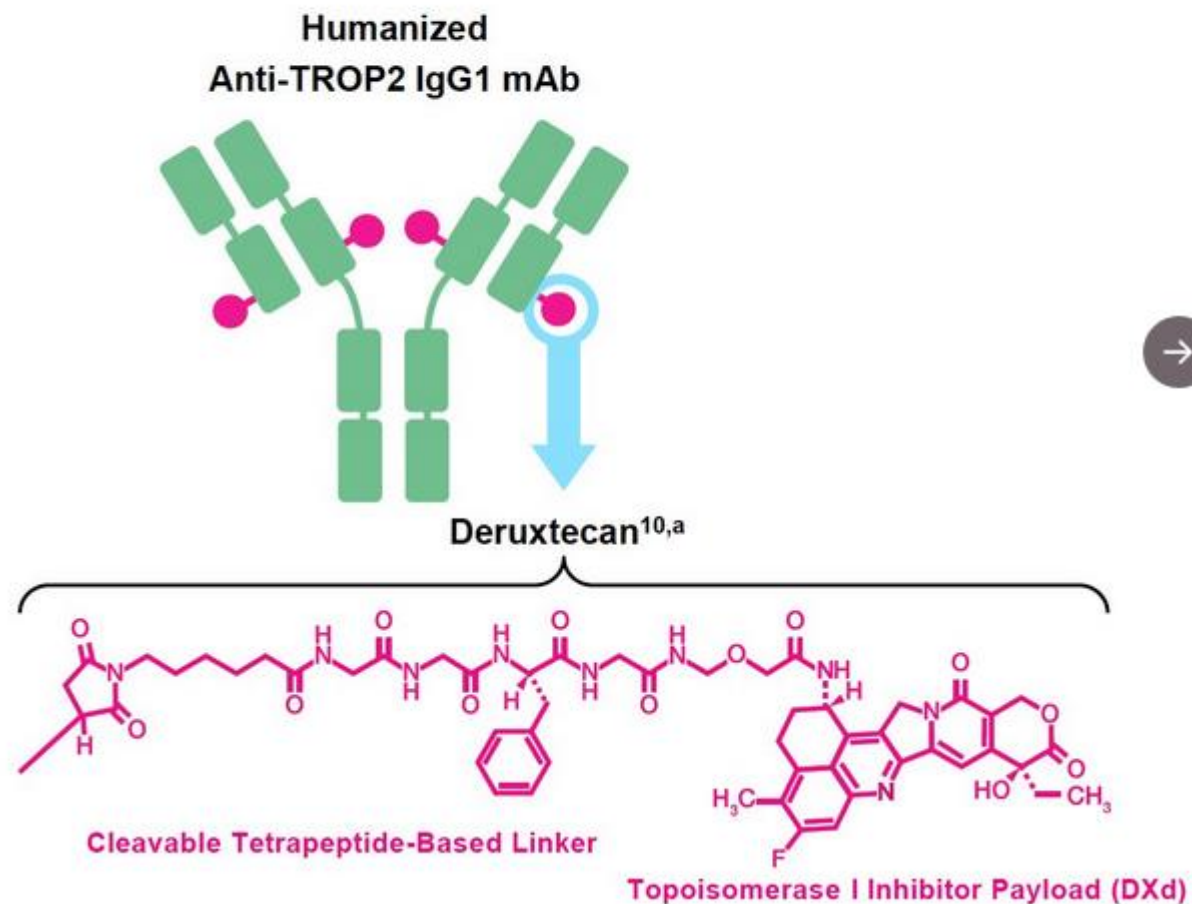
Overall Survival (OS)



Datopotamab Deruxtecan (Dato-DXd; DS-1062) and TROP2

Kombination af "TDXD" og Trop2-targeteret antistof – den nye i klassen...

- Datopotamab deruxtecan (Dato-DXd; DS-1062) is a TROP2 directed ADC composed of 3 components^{7,8}:
 - A humanized anti-TROP2 IgG1⁹ mAb
 - A topoisomerase 1 inhibitor payload (exatecan derivative, DXd)
 - A tetrapeptide-based cleavable linker



Novel Antibody-Drug Conjugates (cont)

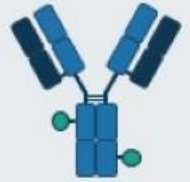
Phase 1



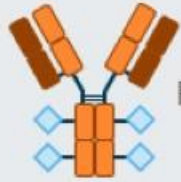
ALT-P7
MMAE



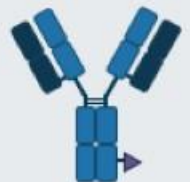
ZW49
Auristatin



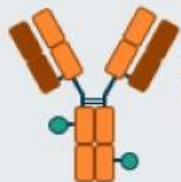
FS-1502
MMAF



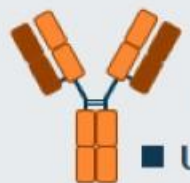
PF06804103
Auristatin



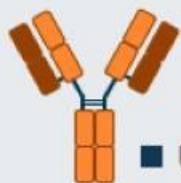
GQ1001
DM1



DHES0815A
PBD-MA



BB-1701
Undisclosed



B003-101
Undisclosed

Phase 2



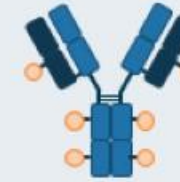
ARX788
MMAF



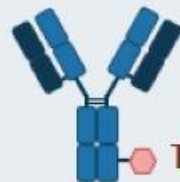
MRG002
MMAE



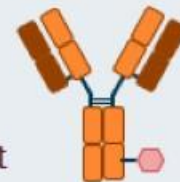
A166
MMAF



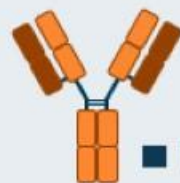
MED4276
MMETA



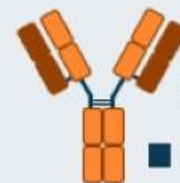
BDC1001
TLR7/8 agonist



SBT6050
8 agonist



DP303c
Undisclosed



SHR-A1811
Undisclosed

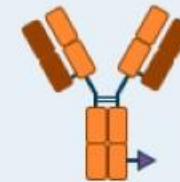
Phase 3



Trastuzumab
duocarmazine
Vc-seco-DUBA



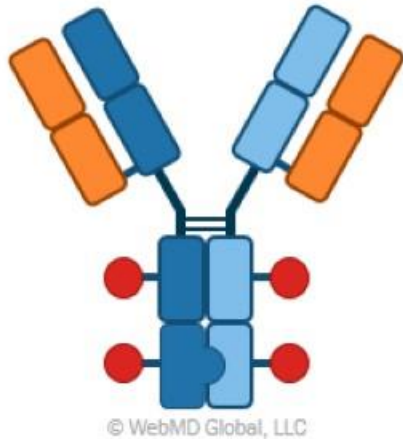
Disitamab
vedotin
MMAE



BAT8001
Batansine

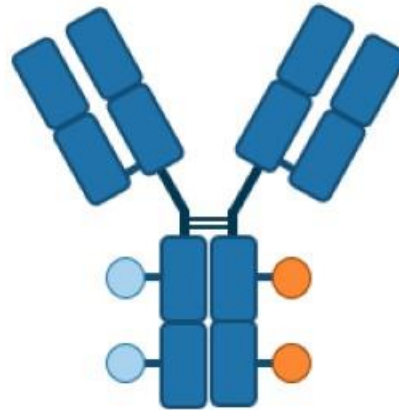
New Vehicles and Payloads

Bispecific ADCs^[a,b]



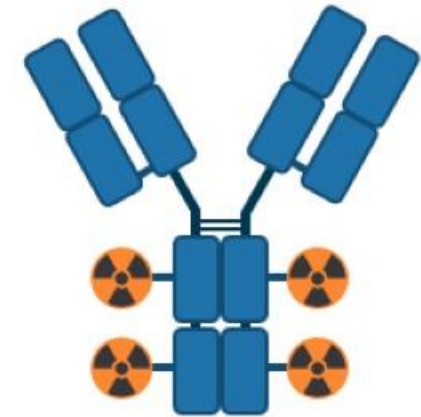
Encouraging response rate
in highly pretreated patients
with HER2+ solid tumors

Dual payload ADCs^[c]



Solid activity in HER2+
breast cancer models
when combining MMAE
and MMAF payloads

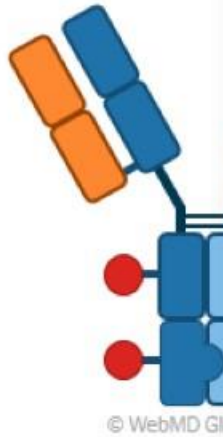
Radionuclide/ IO ADCs^[d,e]



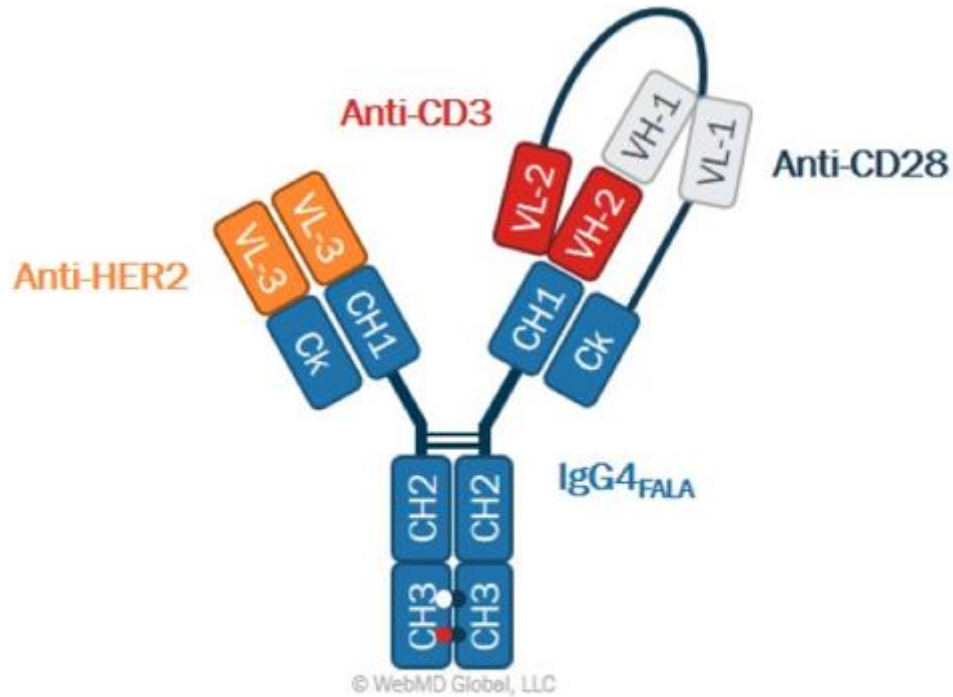
Early clinical activity
observed in a phase 1 trial
of a P-cadherin-targeted
radioimmunotherapy
with 90Y

New Vehicles and Payloads

Bispecific

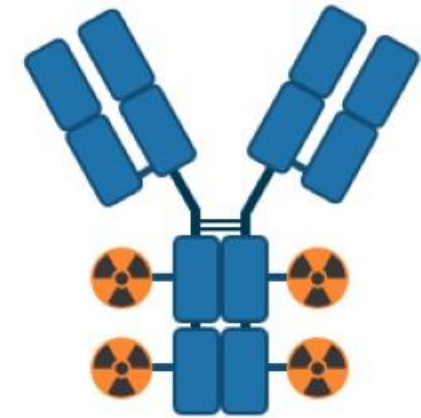


Encouraging results
in highly pretreated
with HER2+ S



Seung E, et al. Nature. 2022;603(7900):328-334.

Radionuclide/ IO ADCs^[d,e]



Early clinical activity
observed in a phase 1 trial
of a P-cadherin-targeted
radioimmunotherapy
with 90Y

a. Tarantino P, et al. CA Can J Clin 2022;72:165-182; b. Jhaveri K, et al. Ann Oncol. 2022;33(suppl 7):S197-S224, Abstract 460MO; c. Yamazaki CM, et al. Nat Commun. 2021;12:3528; d. Funase Y, et al. Nucl Med. 2021;62:232-239; e. Subbiah V, et al. Clin Cancer Res. 2020;26:5830-5842.

New Targets on the Horizon

HER3

NECTIN4

FR α

MESOTHELIN

MUC1

LIV1

B7H4

CEACAM

CD166

CD71

New Targets on the Horizon

HER3

NECTIN4

FR α

MESOTHELIN

MUC1

LIV1

B7H4

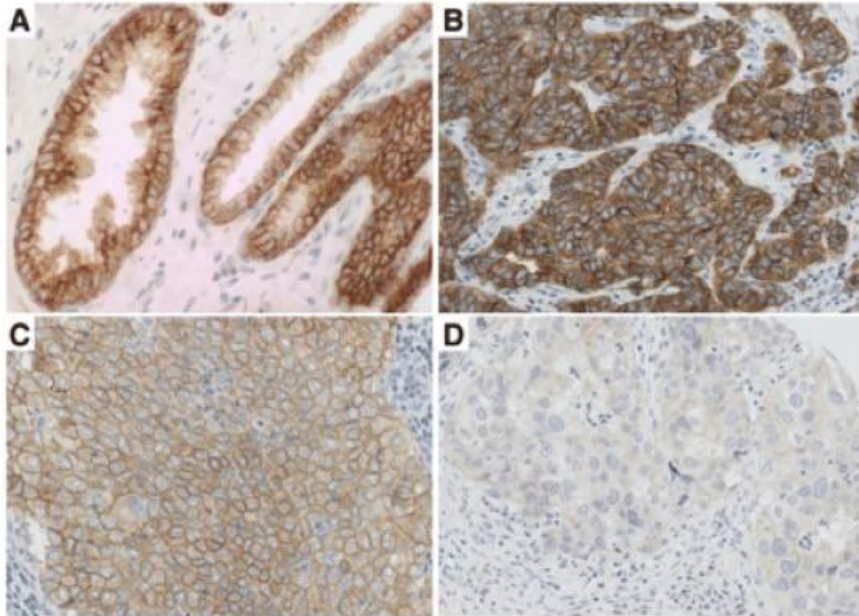
CEACAM

CD166

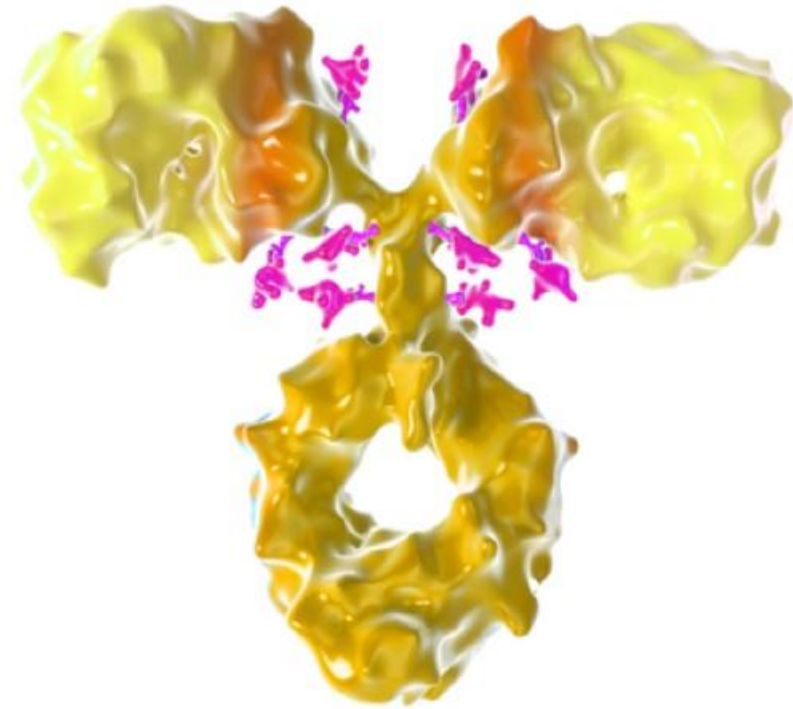
CD71

HER3-DXd

HER3 is expressed in > 95% of breast cancers, with half showing a strong overexpression



Patritumab deruxtecan (U3-1402) is a novel ADC coupling an anti-HER3 mAb to DXd with a high DAR (8:1)



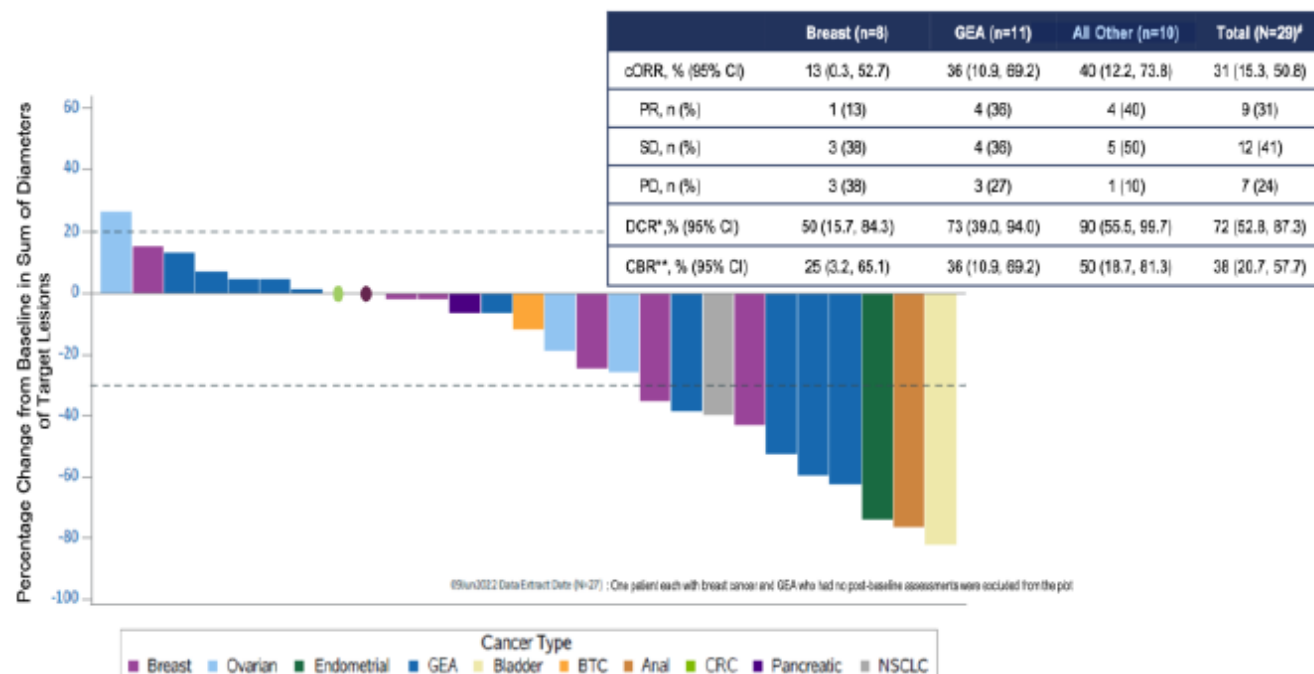
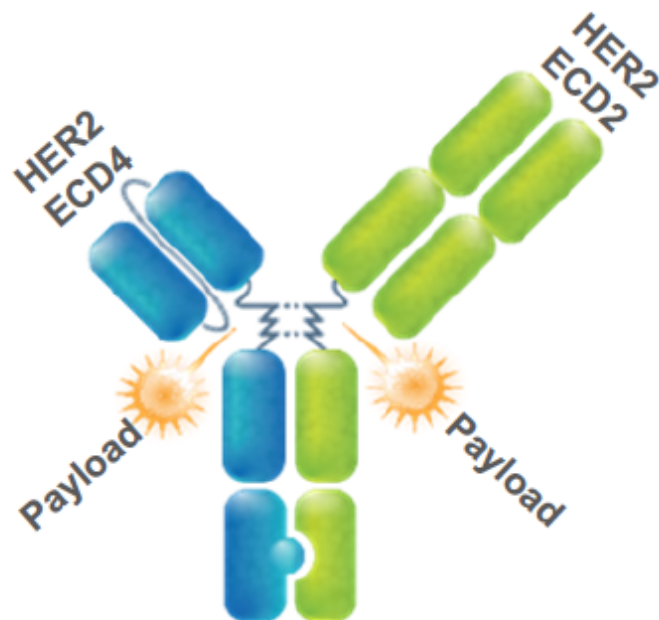
HER3-DXd

Outcomes (BICR per RECIST 1.1)	HR+/HER2- (n = 113) HER3-High and -Low	TNBC (n = 53) HER3-High	HER2+ (n = 14) HER3-High
Confirmed ORR, % (95% CI) ^a	30.1 (21.8, 39.4)	22.6 (12.3, 36.2)	42.9 (17.7, 71.1)
Best overall response, % ^b			
PR	30.1	22.6	42.9
SD	50.4	56.6	50.0
PD	11.5	17.0	7.1
NE	8.0	3.8	0.0
DOR, median (95% CI), mo	7.2 (5.3, NE)	5.9 (3.0, 8.4)	8.3 (2.8, 26.4)
PFS, median (95% CI), mo	7.4 (4.7, 8.4)	5.5 (3.9, 6.8)	11.0 (4.4, 16.4)
6-month PFS rate, % (95% CI)	53.5 (43.4, 62.6)	38.2 (24.2, 52.0)	51.6 (22.1, 74.8)
OS, median (95% CI), mo	14.6 (11.3, 19.5)	14.6 (11.2, 17.2)	19.5 (12.2, NE)

HER3-DXd demonstrated durable antitumor activity across BC subtypes

- Confirmed ORR for all patients (N = 182), 28.6% (95% CI, 22.1%, 35.7%); median DOR, 7.0 mo (95% CI, 5.5, 8.5 mo)

Zanidatamab Zovodotin (ZW49): Anti-HER2 Bispecific ADC

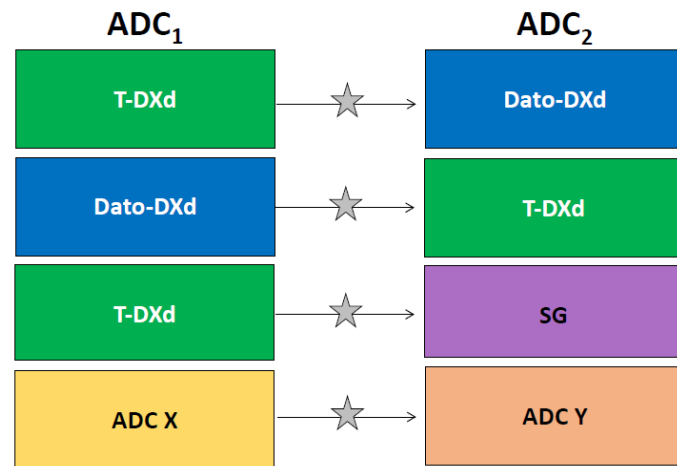


^fOne patient of the 30 treated at 2.5 mg/kg Q3W was HER2 negative per central review and not included. ^gDCR = CR, PR, or SD. ^hCBR = SD ≥ 24 weeks or best overall response of CR or PR. BTC = biliary tract cancer; CBR = clinical benefit rate; cORR = confirmed objective response rate; CRC = colorectal cancer; DCR = disease control rate; DE = dose escalation; DX = dose expansion; GEA = gastroesophageal adenocarcinoma; NSCLC = non-small cell lung cancer; PD = progressive disease; PR = partial response; Q3W = once every 3 weeks; SD = stable disease

- Immunoglobulin 1-like antibody backbone directed against **extracellular domain 4 (ECD4) & ECD2 of HER2**
- **Auristatin payload (tubulin targeting)** covalently linked via a protease **cleavable valine-citruline linker** ; (DAR) = 2
- Antibody-induced internalization with increased toxin-mediated cytotoxicity and immunogenic cell death

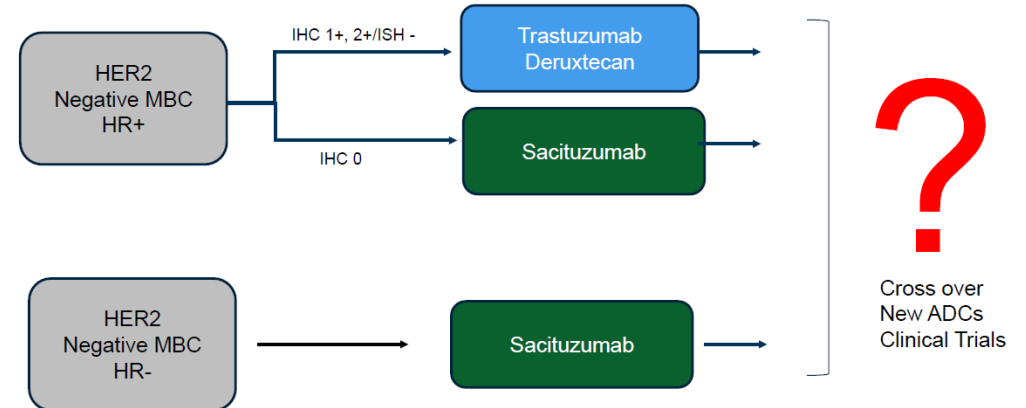
Mange spørgsmål

Will Need to Understand Sequencing of ADCs



Need comparison and sequencing studies

T-DXD vs Sacituzumab :Proposed Approach to ADC Selection in HER2 NEGATIVE MBC



Opsamling

- Teknologiske fremskridt har bragt os ind i en spændende æra med ADC behandling
 - Næste generations lægemidler med forbedrede egenskaber har forbedret effektivitet
 - De nye lægemidler har bredere klinisk anvendelighed og har udvidet målgruppen

- Payload.: + parpi, immunterapi...

Targetmodulation med TKI-er eller statiner?

???

- Biomarkører for respons
- Vel-designede studier vedr. rækkefølge
- Viden om resistensudvikling

