

For healthcare professional only

M-ID-00001514-09-2024

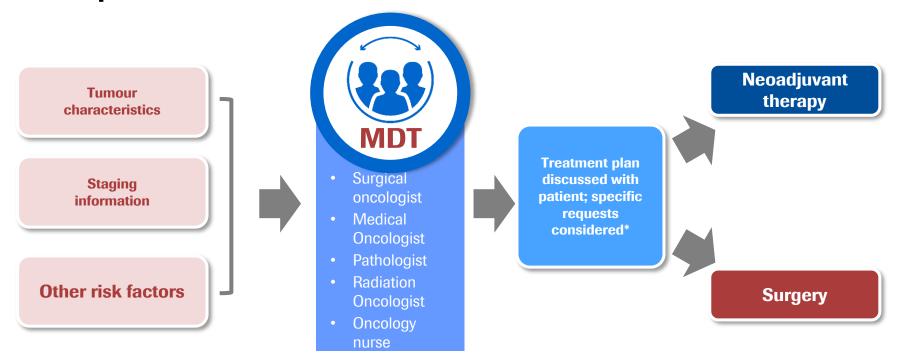
Disclaimer

- These educational session for scientific purpose, they may contain information relating to products not yet approved by BPOM, or contain information that is not within the current product label.
- These educational session only for healthcare professionals, all attendance prohibited to shared/posted these session in any social media channel without permission from committee
- Speakers and moderator received honoraria from Roche Indonesia (and other pharma). No financial relationship with any commercial interest related the content of presentation.
- The opinions from speakers give are by their own, and not those of Roche Indonesia
- If a patient becomes pregnant while receiving Kadcyla within 7 months following the last dose of the product, please immediately report pregnancy to the Roche Patient Safety via email indonesia.safety@roche.com
- Additional information will be requested during a product-exposed pregnancy and the first year of the infant's life. This will enable Roche to better understand the safety of the product and to provide appropriate information to health authorities, healthcare providers, and patients.
- For additional information, please refer to the Product Information.

Agenda The importance of MDT in eBC Management Benefit Neoadjuvant Treatment for HER2 eBC patients BCS (Breast Conserving Surgery) or Mastectomy: Guideline Recommendation How BCS may benefit surgical candidates with eBC in Asian women? Response-directed adjuvant therapy and how it shapes our practice as surgeon

The importance of MDT in eBC management

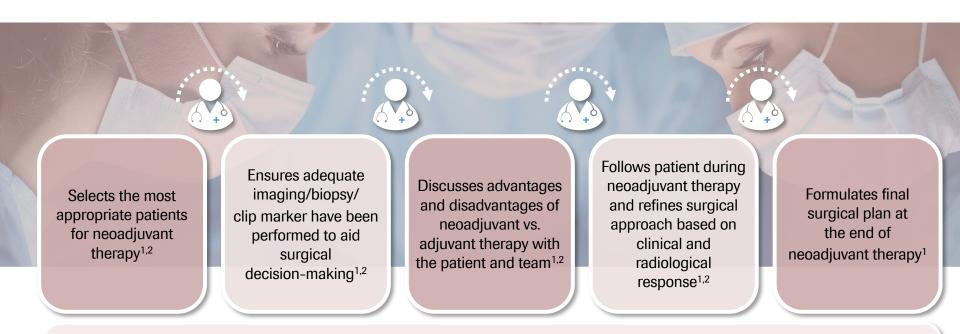
MDTs are essential for optimal management of patients with HER2-positive eBC^{1,2}



^{*} Patient requests, e.g. desire for neoadjuvant therapy, breast-conserving surgery vs. mastectomy. MDT, multidisciplinary team.

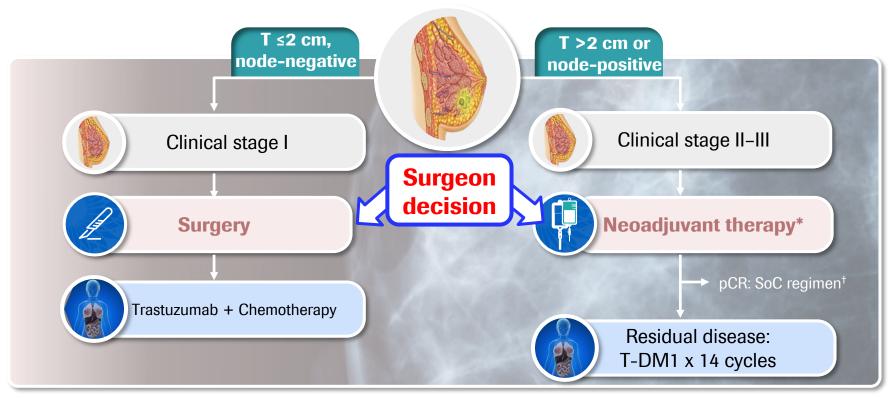
Multi-disciplinary teams (MDTs) are essential for optimal management of patients with HER2-positive eBC1,2 Lack of a functioning MDT and decision-making process could mean a missed opportunity to improve surgical and oncological outcomes 1. Chatterjee A & Erban JK. Gland Surg 2017; 2. Cain H, et al. Clin Oncol 2017.

As part of a multi-disciplinary team (MDT), surgeons play an important role in selecting the most effective treatment approach for patients



MDTs are essential for the appropriate selection of patients eligible for neoadjuvant therapy

Selection of patients with HER2-positive eBC for neoadjuvant therapy

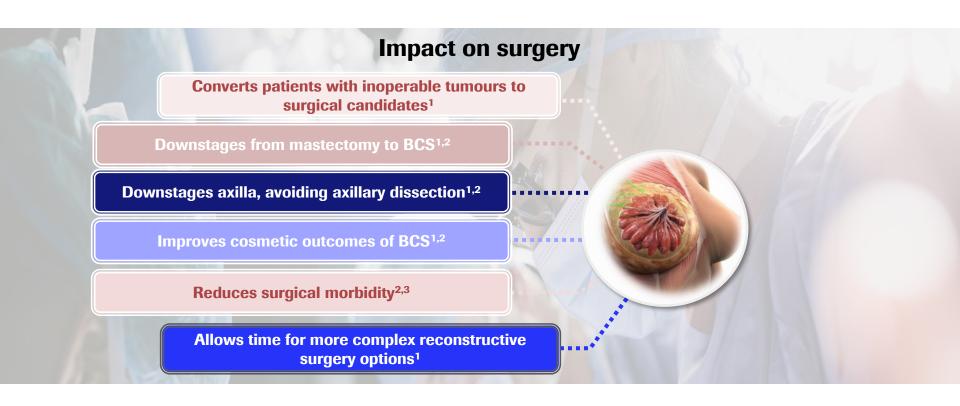


pCR, pathological complete response; SNB, sentinel node biopsy; SoC, standard of care.

^{*} Anthracyclines + taxanes or TCH ± P, minimum of 6 cycles of chemotherapy. †Based on HER2-positive eBC clinicopathologic characteristics.



Improving surgical options is only one key benefit of neoadjuvant therapy



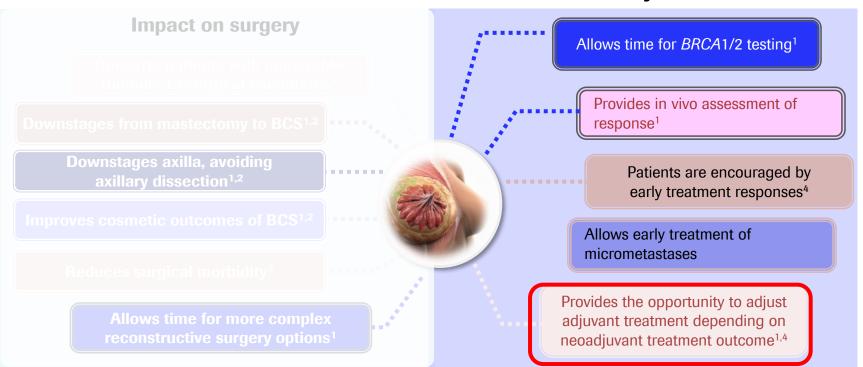
BCS, breast-conserving surgery.

3. Franceschini G. et al. Ann Ital Chir 2018.

^{1.} Cain H. et al. Clin Oncol 2017: 2. Volders JH. et al. Br Can Res Treat 2018:

Neoadjuvant therapy has important benefits that go beyond making inoperable disease operable

Other key benefits



BCS, breast-conserving surgery.

^{1.} Cain H, et al. Clin Oncol 2017; 2. Volders JH, et al. Br Can Res Treat 2018;

^{3.} Franceschini G. et al. Ann Ital Chir 2018: 4. Thill M. et al. Geburtshilfe Frauenheilkd 2016.

Neoadjuvant therapy offers several benefits for eBC management



Enables early response assessment¹

- Provides in vivo assessment of response
- Provides an opportunity to adjust adjuvant treatment depending on the outcome of neoadjuvant treatment (pCR or residual disease)
- Prognostic factor: pCR correlate with prolong OS (overall survival)



Enhances surgical options^{1,2}

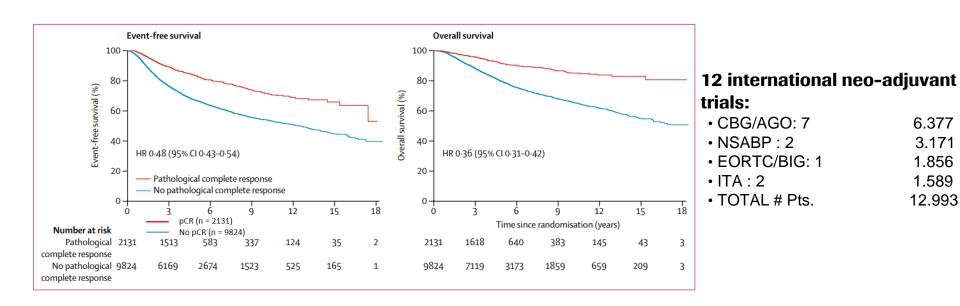
- Downstages breast tumour, leading to improved chances of conservative surgery
- Downstages axilla, avoiding axillary dissection
- Potentially decreases surgical morbidity
- Allows time for planning reconstruction surgery



Early systemic treatment³

Allows early treatment of micrometastases

Pathological complete response as surrogate endpoint for prediction of long-term clinical benefit (DFS, EFS, OS)

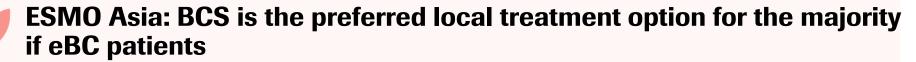


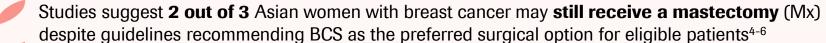
Interpretation: Patients who attain pCR defined as ypT0 ypN0 or ypT0/is ypN0 have improved survival.

The prognostic value is greatest in aggressive tumour subtypes.

This pooled analysis could not validate pCR as a surrogate endpoint for improved EFS and OS

BCS (Breast Conserving Surgery) or Mastectomy: Guideline Recommendation





The decision is often based on the patient's⁷: - fear of cancer recurrence

- perception that health outweighs breast retention

- Possibility of second surgery for margin

However, research shows, **1 in 5** women may regret their initial choice of Mx despite eligibility for BCS⁷

This reality exists despite the fact most local/international guidelines recommend BCS as the preferred surgical option for eligible patients ¹⁻³					
\otimes	NCCN GUIDELINES	A mastectomy is indicated for patients who are not candidates for BCS or those who choose to undergo this procedure over BCS. ¹			
\otimes	ESMO PAGA Pan-Asian Guidelinas Adaptation	BCS is the preferred local treatment option for the majority of eBC patients, with the use of oncoplastic techniques, to maintain good cosmetic outcomes in technically challenging cases, when needed [A=100% and I, A] ²			
\otimes	SG BCC	Surgical resection to remove known malignancy and achieve 'no ink on tumour' margins is the standard, regardless of tumour histology or grade, or the patient's age. ³			

Early breast cancer: ESMO Clinical Practice Guidelines for diagnosis, treatment and follow-up[†]



SPECIAL ARTICLE

F. Cardoso¹, S. Kyriakides², S. Ohno³, F. Penault-Llorca^{4,5}, P. Poortmans^{6,7}, I. T. Rubio⁸, S. Zackrisson⁹ & E. Senkus¹⁰, on behalf of the ESMO Guidelines Committee^{*}

Surgery in Early Breast Cancer

The major change in the surgical treatment of primary breast cancer has been a shift towards Breast Conservation techniques, which started >30 years ago.

Currently, in western Europe, 60%–80% of newly diagnosed cancers are amenable to breast conservation (wide local excision and RT), at diagnosis or after PST.

A neo-adjuvant approach should be preferred in subtypes highly sensitive to ChT, such as triple-negative and HER2-positive, in tumours >2 cm [II, A] and/or a positive axilla

In some patients, **Mastectomy is still carried out due to**:

- Tumour size (relative to breast size)
- Tumour multi-centricity
- Inability to achieve negative surgical margins after multiple resections
- Prior radiation to the chest wall/breast or other contraindications to RT
- Unsuitability for oncoplastic breast conservation
- · Patient choice



BCT+RT presents comparable OS with Mastectomy in Asian women¹⁻³

	No. of women	5-year OS (%)	Crude HR	Adjusted HR
Overall cohort	3536			
Mastectomy	2245	92.9 (91.7, 94.1)	1.00 (reference)	1.00 (reference)
BCS	1291	94.9 (93.5, 96.3)	0.80 (0.64, 1.02)	0.81 (0.64, 1.03)*
Subgroups				
Age at diagnosis 20–39 years	911			
Mastectomy	566	90.0 (87.3, 92.7)	1.00 (reference)	1.00 (reference)
BCS	355	91.4 (87.9, 94.9)	0.80 (0.55, 1.17)	0.80 (0.52, 1.21)*
Age at diagnosis 40–49 years	2625			
Mastectomy	1699	93.8 (92.4, 95.2)	1.00 (reference)	1.00 (reference)
BCS	936	96.2 (94.8, 97.6)	0.79 (0.60, 1.03)	0.82 (0.61, 1.10)*

Cox regression analysis stratified by propensity score *20 quantiles and deciles estimated using various factors as described in the table.

- This is consistent with meta analysis including 22,598 patients (T1-2 N0-N+) aged ≤ 40 years from five population based studies and pooled study of two clinical trials comparing BCS with mastectomy¹
- The study assessed trends in the surgical management of Asian women (n=3.536) with stage I-II breast cancer in 4 hospitals in Malaysia, Siangapore, Hong Kong between 1990 and 2012. ¹

Meta-analysis: BCS was associated with improved OS compared with Mastectomy

- With respect to similar OS outcomes for BCS+RT and Mx documented in several randomised trials, some studies have shown improved survival and fewer post-surgical complications with BCS
- In a meta-analysis of 30 studies (6 RCTs + 24 retrospective cohorts) studying 1,802,128 patients with a follow-up ranging from 4 to 20 years; 1,075,563 and 744,565 underwent BCS+RT and Mx, respectively

BCS was associated with improved OS compared with Mx

	BCS+RT	Mx				
Study	Total	Total	Risk ratio	RR	95% CI	
Study type: Retrospective cohort						
Random effects model	1,055,545	742,650	•	0.57	(0.49, 0.67)	
Heterogenity: l^2 =100%, τ^2 =0.1677, p=0						
Study type: RCT						
Random effects model	2018	1915	•	1.03	(0.96, 1.10)	
Heterogenity: β=100%, τ²=0.0008, p=0.34						
Overall study:						
Random effects model	1.057.563	744 ECE		0.64	(0 EE 0 74)	
Heterogenity: β=100%, τ²=0.1853	1,057,563	744,565	•	0.64	(0.55, 0.74)	



Breast-Conserving Surgery or Mastectomy?

Impact on Survival

Peer Christiansen, MD, DMSc,* Marco Mele, MD,† Anne Bodilsen, MD, PhD,‡ Nicola Rocco, MD, PhD,§ and Robert Zachariae, DMSc||

Annals of Surgery (2022) 4:e205

Received: 9 May 2022; Accepted 3 August 2022

Published online 5 October 2022

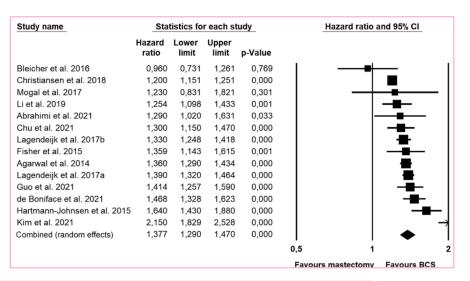
DOI: 10.1097/AS9.0000000000000205

- Data demonstrating that patients with early-stage breast cancer who opt for BCT might have an even better survival compared with those who have a mastectomy
- Conclusion: The combined findings from large population based studies indicate that BCS is associated with survival benefit compared with mastectomy, suggesting that BCS be the recommended treatment of early breast cancer (T1-2N0M0) if radical lumpectomy can be performed

Meta-analysis of survival data in population-based independent cohorts of breast cancer patients.



Study name	Statistics for each study			tudy	Hazard ratio	and 95% CI
	Hazard ratio	Lower limit	Upper limit	p-Value		
Landercasper et al. 2019	0,900	0,880	0,920	0,000	■	
Bleicher et al. 2016	0,934	0,791	1,103	0,421		_
Christiansen et al. 2018	1,230	1,181	1,281	0,000		
Hwang et al. 2013	1,230	1,210	1,250	0,000		
Chu et al. 2021	1,290	1,203	1,383	0,000		-
Fisher et al. 2015	1,341	1,184	1,519	0,000		_
Lagendeijk et al. 2017a	1,350	1,301	1,401	0,000		
Li et al. 2019	1,472	1,331	1,628	0,000		-
Guo et al. 2021	1,490	1,334	1,664	0,000		-
Lagendeijk et al. 2017b	1,490	1,422	1,562	0,000		=
de Boniface et al. 2021	1,566	1,478	1,660	0,000		-
Hartmann-Johnsen et al. 2015	1,650	1,498	1,817	0,000		-
Kim et al. 2021	1,800	1,665	1,946	0,000		-
Combined (random effects)	1,342	1,198	1,505	0,000		•
					0,5 1	
					Favours mastectomy	Favours BCS



"In this meta-analysis of large, population-based studies, BCS + RT was found to be associated with survival benefit compared with mastectomy

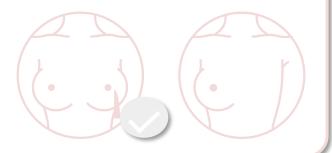
(A) Overall survival. The 13 studies included 1,311,600 patients. (B) Breast cancer-specific survival. Fourteen studies with 494,267 patients.

Is tumour downstaging safe?



BCS is comparable to mastectomy for all tumour and patient variables

- Long-term LRR rates with tumour downstaging and BCS are similar to those for traditional mastectomy with adjuvant therapy^{1,2}
- LRR rates are 10.3% for BCS plus XRT compared with 12.6% for mastectomy without XRT, after 10 years of follow-up³



No increase in complications even with immediate reconstructions⁴

Who is BCS for? 1-5

The right candidate for BCS¹⁻³

Patients eligible for BCS are those who:



Have a tumour <5 cm, that is also small relative to the size of the breast

Are able and willing to have radiation therapy





Do not have active **connective tissue diseases** such as scleroderma or lupus

Have persistently positive pathologic margin





Have no known or suspected **genetic predisposition** (i.e., *BRCA1*, *BRCA2* mutations)

The benefits of BCS 4

BCS leads to better outcomes and higher QoL compared with Mx.

As seen in a meta-analysis including 920 Asian patients. 12

- Body image
 - ► SMD=1.742 (95% CI, 0.579–2.905; p=0.003)
- Future perspectives
 - ► SMD=0.606 (95% CI, 0.075–1.138; p=0.025)
- Lowering systemic side effects
 - \triangleright SMD = -0.641 (95% CI, -1.181 to -0.101; p=0.020)
- Multiple studies show advanced BCS techniques delivering good cosmetic outcomes in patients and lower rates of post-operative complications.⁵

Does neoadjuvant therapy increase BCS rates?

Two measures to consider:

- 1 Increase in BCS rate
- Most neoadjuvant trials show a modest increase in BCS rate vs. adjuvant trials
- Increase in pCR rates in neoadjuvant trials (e.g NeoALTTO, GeparSixto) has not translated into increased BCS rates^{4,5}

Trial	BCS rate (adjuvant)	BCS rate (neoadjuvant)
NSABP B18 ¹	60%	68%
Institute Curie ²	77%	82%
CALGB 40603 ³	54%*	68%

Conversion rate from mastectomy to BCS

 Rates of conversion from mastectomy to BCS less widely published (but are estimated to be 40–50%)^{6–8}

^{* 54%} of patients in CALGB 40603 were eligible for BCS before receiving neoadjuvant therapy. BCS, breast-conserving surgery.

Primary Systemic Therapy (PST) for HER2+ Operable BC Increases the number of BCS from 5.3% to 41.4%

Patients characteristic:

- N = 152
- Stage I and II HER2/neu-positive BC
- ≥ 18 yo, median age 47 (37 67)
- T2: 44.1%, T3: 55.9%
- N0: 68.4%, N1: 28.9%, N2: 2.6%
- 95.7% has nonspecific type of BC
- 67% ER/PR negative
- 75.5% grade III
- 100% Ki67>20%
- 90% HER2/neu-positive through IHC
- 100% HER2/neu-positive through FISH or DISH
- 7% had indication for mastectomy

PST Regimen:

- Docetaxel 75mg/m² every 3 weeks
- FEC (5-fluorouracil 600mg/m², Epirubicin 75mg/m², Cyclophosphamide 600mg/m²), every 3 weeks at 4 cycles
- Trastuzumab 8 mg/kg IV loading dose, followed by 6 mg/kg IV, every 3 weeks in a year including in the neoadjuvant and adjuvant setting

Following PST, pCR was achieved in **44.7%** evaluable patients

Breast Conserving
Surgery was performed in
41.4% patients

Table 3 Type of surgery pre and post primary systemic therapy (PST)						
Type Sur	gery	Pre-PST	Post-PST			
BCS		8 (5.3%)	63 (41.4%)			
Mastecto	my	144 (94.7%) —	83 (58.6%)			

How to approach BCS in HER2+ or TNBC patients 1,2

Utilising neoadjuvant therapy (NAT) to facilitate BCS outcomes 1,2

NAT aids in optimising BCS outcomes, including in:



Downstaging the tumour to potentially reduce excision volumes in patients with large tumours.



De-escalating surgical treatment of the axilla and reduction in surgical morbidity.



Delaying surgery to afford time for genetic testing and thorough surgical planning, enabling the tailoring of surgery and facilitating informed decision-making.

Recommendations for NAT initiation in eBC^{3,4}

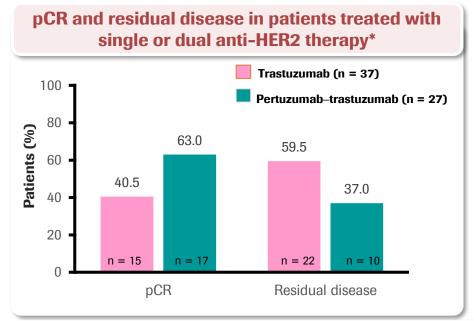


NAT should be used to reduce the extent of surgery in locally advanced and large operable cancers, in particular when mastectomy is required due to tumour size [A=100% and I, A]. It should also be considered in all patients with tumours >2 cm for which chemotherapy is deemed necessary, in particular with HER2+ and TNBC subtypes [A=100% and I, B]³



In HER2+ patients with clinical stage II-III disease, the preferred option is initial NAT followed by local therapy. Dual blockade combined with chemotherapy achieves higher pathological complete response rates and is recommended for NAT [I, A; ESMO-MCBS v1.1 score].⁴

What can be achieved with surgical de-escalation in real clinical practice?



- Downstaging was attempted in 51 patients requiring mastectomy and was achieved in 38 (75%) who received neoadjuvant treatment with trastuzumab or pertuzumab—trastuzumab
- Eighteen patients (86%) who received pertuzumab-trastuzumab achieved successful downstaging to BCS (single vs. dual therapy, p = 0.56)

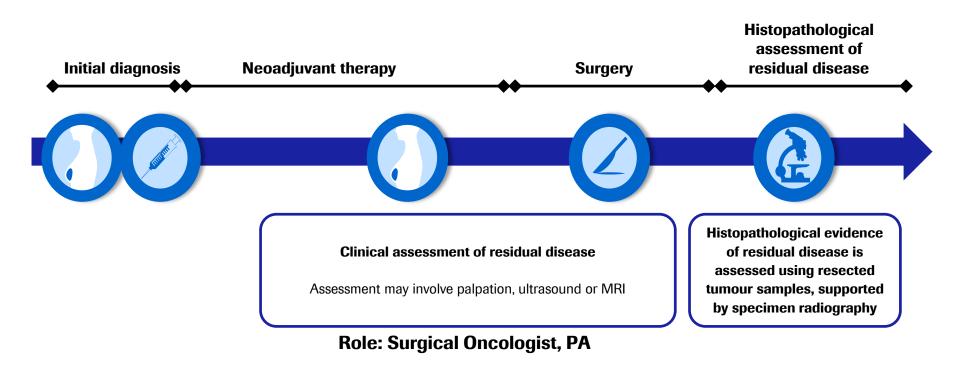
pCR and successful BCS were higher in patients receiving pertuzumab-trastuzumab vs. trastuzumab

^{*} Retrospective analysis data from a large screening institution (Royal Victoria Infirmary) of all patients undergoing neoadjuvant treatment with single or dual anti-HER2 therapy from May 2014–November 2017.

McLean R. et al. Eur J Sura Oncol 2019 (Abstract P086).

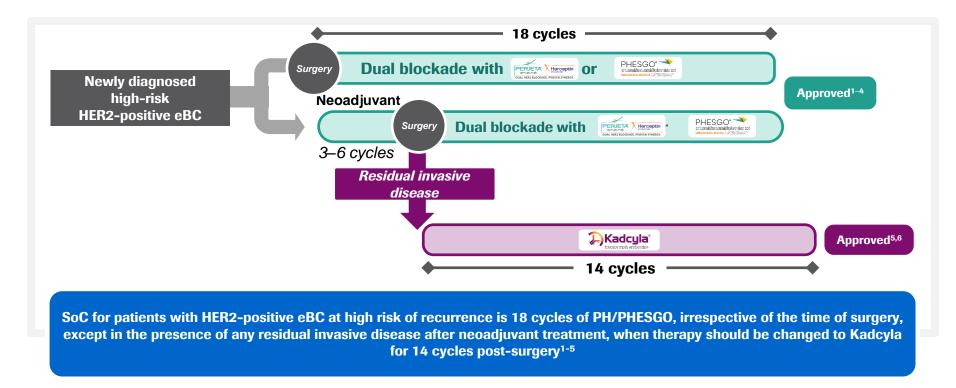
Response-directed adjuvant therapy and how it shapes our practice as surgeon

Assessment of residual disease is done both clinically and histopathologically



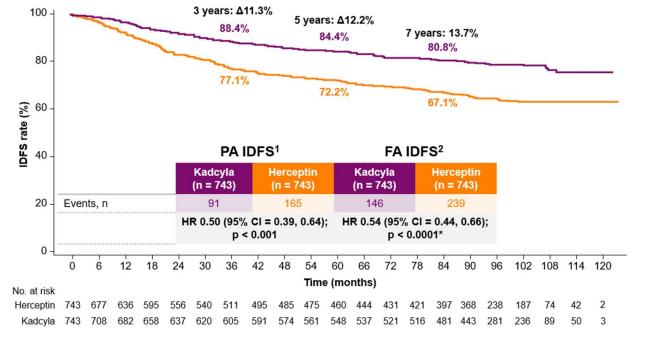
Treatment algorithm for HER2-positive eBC in adjuvant setting (Roche)





5. Cardoso F. et al. Ann Oncol 2019: 30:1194-1220.

KATHERINE Final Analysis demonstrates the benefit of adapting treatment in patients with residual invasive disease after neoadjuvant therapy

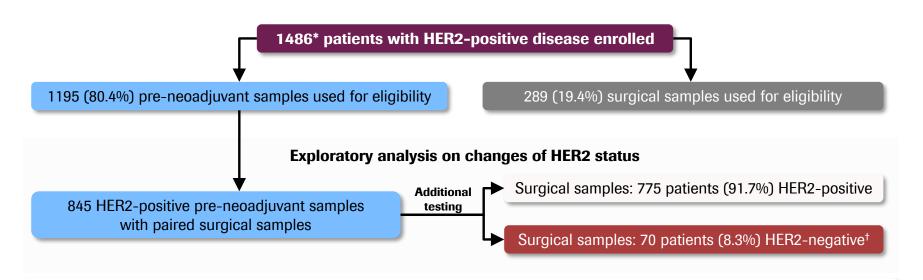


 Δ 7-year IDFS = 13.7%

With this results of KATHERINE, the recommendation and rationale to do neoadjuvant treatment prior to surgery for HER2-positive patients become stronger than ever.

IDFS benefit of Kadcyla was sustained with longer median follow-up (101 mo), with a 46% reduction in risk of recurrence of invasive disease or death vs. Herceptin

KATHERINE: HER2-negative status at surgery did not impact on the efficacy of T-DM1



In the 70 patients with HER2-negative disease after re-testing of surgical samples:

- No IDFS events in patients randomised to the T-DM1 arm (n = 28)
- 11 IDFS events in patients randomised to the trastuzumab arm (n = 42)

Note: These data should be interpreted with caution due to the small sample size

IDFS, invasive disease-free survival.

^{*} Two patients (both in the trastuzumab arm) were not included in this analysis: One did not have centrally confirmed HER2-positive disease and one was inadvertently randomised twice.

[†] Fifty-three HER2-negative and 17 HER2-unknown by IHC 0-1+/ISH unknown.

T-DM1 is recommended by most international guidelines for patients with residual disease





NCCN Breast Cancer Guidelines V4. 2024

Category 1 listing*
If residual invasive disease after preoperative therapy:

Trastuzumab emtansine alone for 14 cycles



ESMO Guidelines for eBC (2019) 4

Grade [I, A] recommendation If residual invasive disease:

Trastuzumab emtansine recommended



AGO Guidelines 2022 2

If pathological complete response not achieved (non-PCR):

Trastuzumab emtansine recommended to complete 1 year of anti-HER2 therapy (LoE 1b)⁺



St. Gallen Guidelines (2021) 5

If residual invasive disease:

Trastuzumab emtansine recommended for patients with residual HER2 positive breast cancer following standard neoadjuvant regimens, including node-negative and residual cancers < 5mm



ASCO Guidelines 2021 3

If pathologic invasive residual

disease after preoperative therapy 14 cycles of adjuvant trastuzumab emtansine is recommended, unless there is disease recurrence or unmanageable toxicity



Pan Asian Adapted ESMO Guidelines 2024 6

In cases of residual invasive disease after neoadjuvant therapy:

Adjuvant trastuzumab should be replaced by adjuvant T-DM1, once approved and where available

^{*} Category 1 listings are based on high-level evidence with uniform NCCN consensus that the intervention is appropriate;

[†] Based on evidence of individual randomised controlled trials; ‡ Grade A recommendation based on strong evidence for efficacy with a substantial clinical benefit; strongly recommended.

^{1.} NCCN Clinical Practice Guidelines: Breast Cancer. v4 2024. Available at: https://www.nccn.org/professionals/physician_gls/pdf/breast.pdf (accessed 11 July 2024)

^{2.} Ditsch N, et al. AGO Recommendations for the Diagnosis and Treatment of Patients with Early Breast Cancer: Update 2022. Breast Care. 2022;17(4):403-420. doi: https://doi.org/10.1159/000524879.

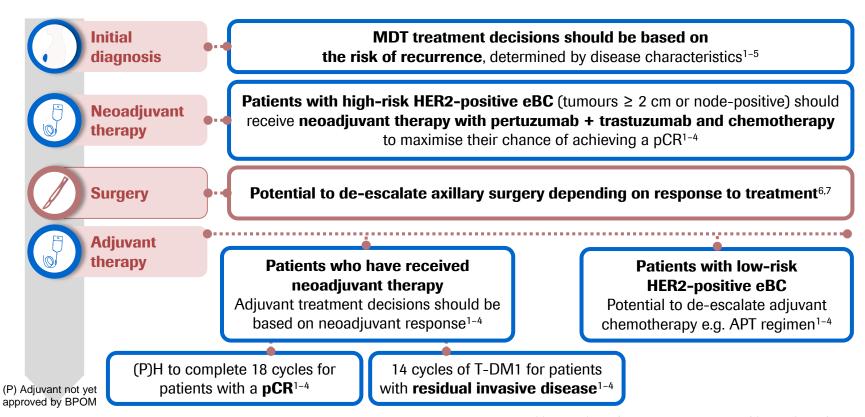
^{3.} Denduluri N, et al. Selection of Optimal Adjuvant Chemotherapy and Targeted Therapy for Early Breast Cancer: ASCO Guideline Update. Journal of Clinical Oncology. 2021;39(6):685-693. doi: https://doi.org/10.1200/jco.20.02510

^{4.} Cardoso F, et al. Early breast cancer: ESMO Clinical Practice Guidelines for diagnosis, treatment and follow-upt. Annals of Oncology. 2019;30(8):1194-1220. doi: https://doi.org/10.1093/annonc/mdz173

5. Burstein HJ, Curigliano G, Thürlimann B, et al. Customizing local and systemic therapies for women with early breast cancer: the St. Gallen International Consensus Guidelines for treatment of early breast cancer 2021. Ann Oncol.2021;32(10):1216-1235. doi:10.1016/j.annonc.2021.06.023

^{6.} K.H Park., et al. Pan-Asian adapted ESMO Clinical Practice Guidelines for the diagnosis, treatment and follow-up of patients with early breast cancer. Volume 9, Issue 5, May 2024, https://doi.org/10.1016/j.esmoop.2024.102974

Summary



Scan or click on the QR code to access each product full prescribing information





Pregnancy disclaimer:

- If a patient becomes pregnant while receiving Phesgo/ Kadcyla, or within 7 months following the last dose of the product, please immediately report pregnancy to the Roche Patient Safety via email indonesia.safety@roche.com.
- Additional information will be requested during a product-exposed pregnancy and the first year of the infant's life. This will enable Roche to better understand the safety of the product and to provide appropriate information to health authorities, healthcare providers, and patients.
- For additional information, please refer to the Product Information.

Adverse Event Reporting

Roche is committed to the collection and management of safety information relating to our products and we highly encourage healthcare professionals to report adverse events pertaining to Roche products.

Adverse Event (AE)

Any untoward medical occurrence in a patient or clinical investigation subject administered a pharmaceutical drug and which does not necessarily have a casual relationship with this treatment.

REPORTING ADVERSE EVENT IS MANDATORY ACCORDING
TO BPOM REGULATION No. 15 Year 2022 on
PHARMACOVIGILANCE IMPLEMENTATION

If you are aware of any AE pertaining to Roche products, please report

Patient Safety
PT Roche Indonesia

to:

indonesia.safety@roche.co



https://go.roche.com/medinfoID

Your data will be processed with greatest care and diligence in accordance with specific GVP (pharmacovigilance) legislation, as described in the Privacy Policy related to pharmacovigilance. Your data will not be used for any other purpose. For more information, please visit Roche Privacy Notice for Pharmacovigilance and Medical Information.



