Measuring adherence to European Society of Cardiology guidelines for patients treated with trastuzumab

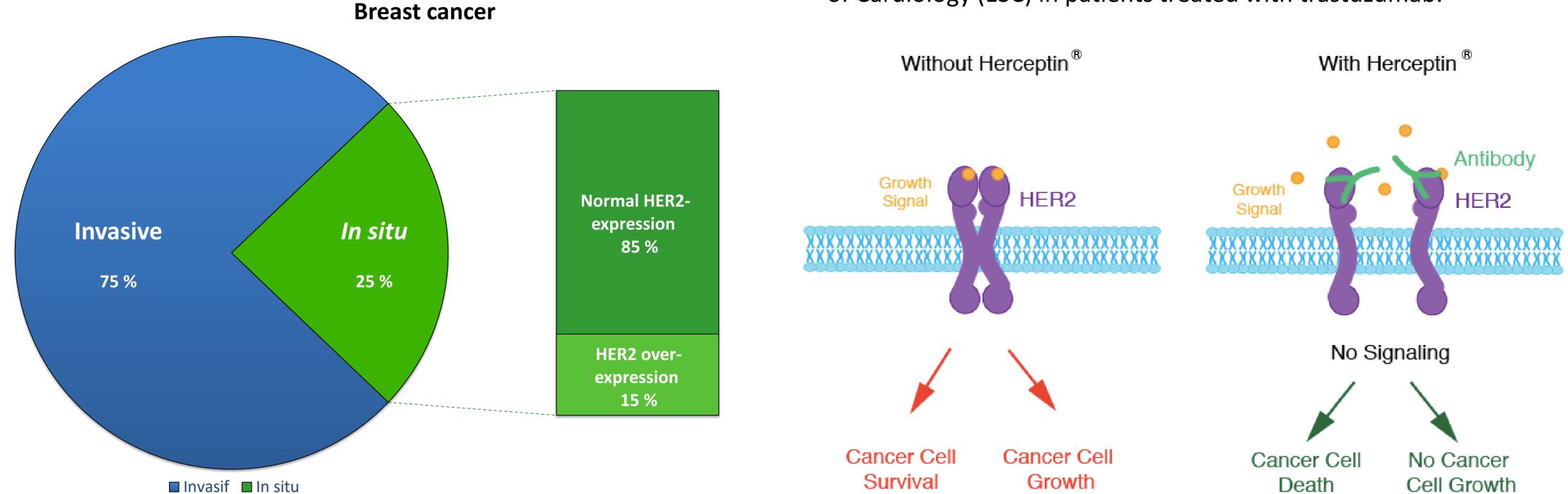


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Background: There are two types of breast cancer.

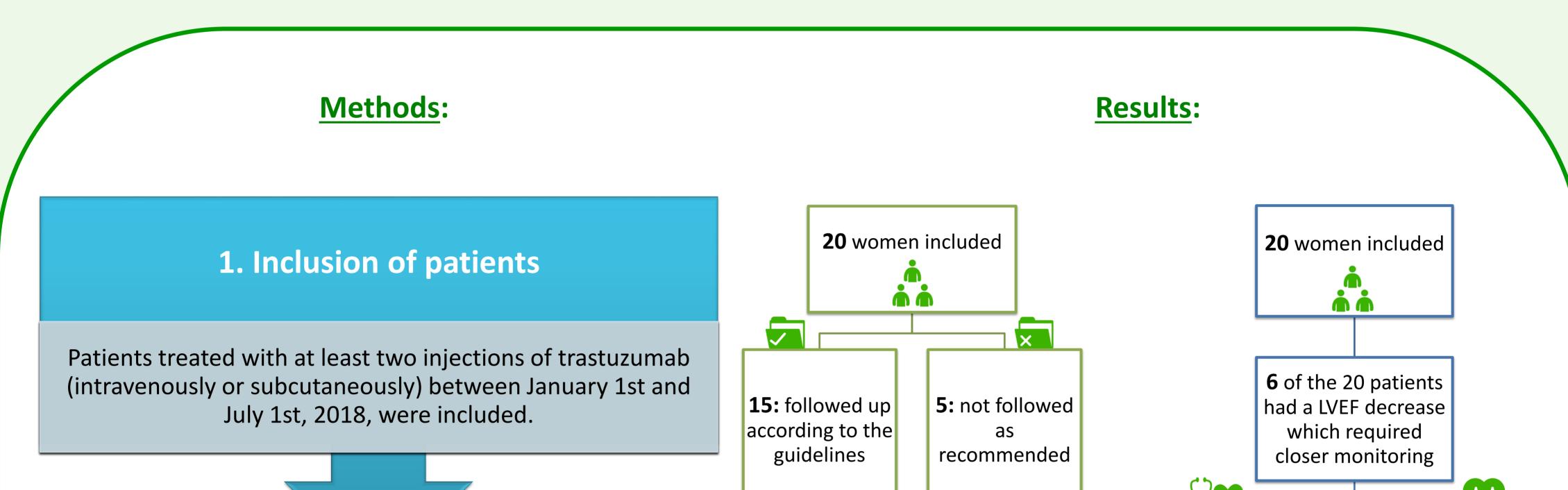


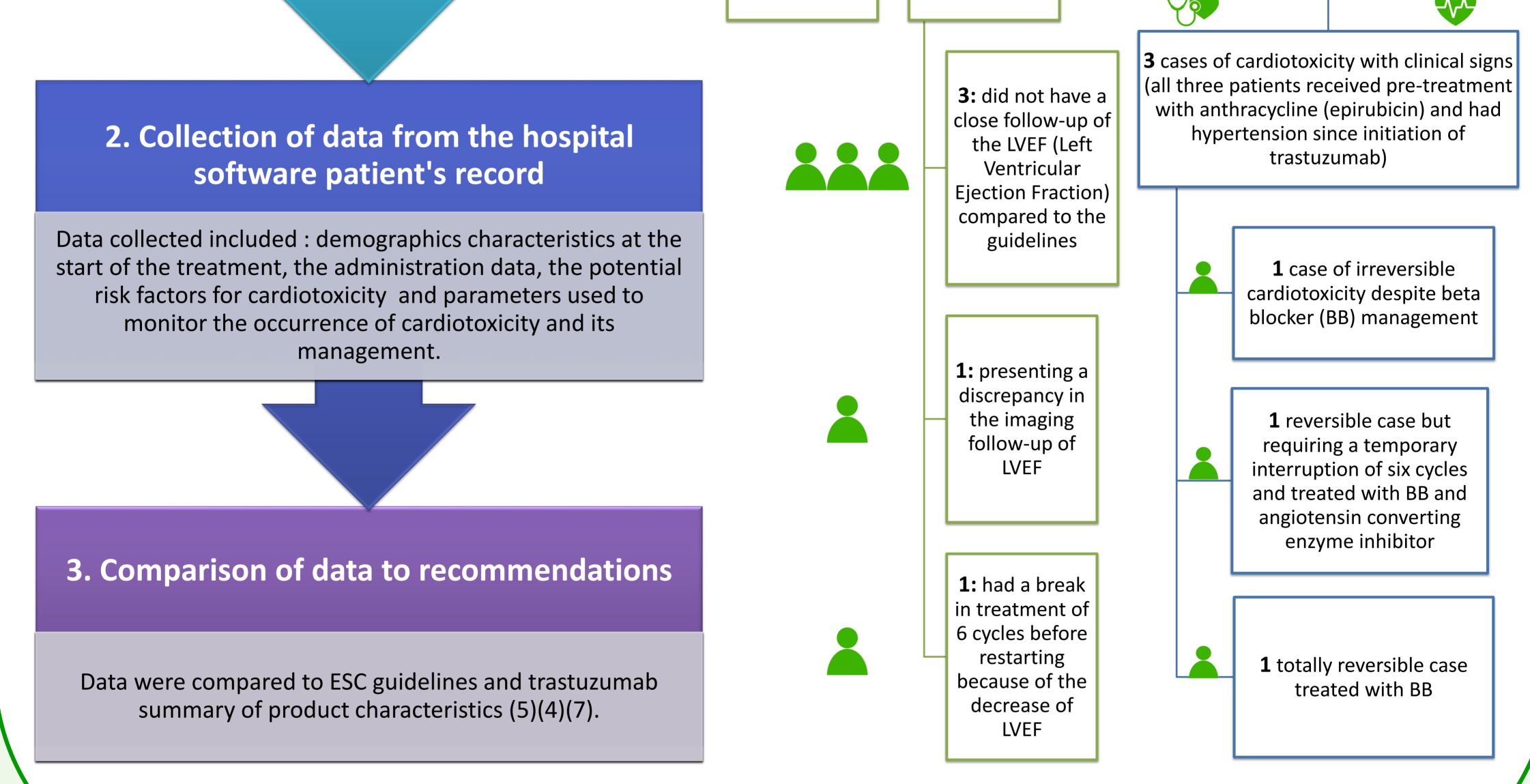
Objective: The aim of the study was to assess the adherence to cardiac toxicity monitoring recommended by the European Society of Cardiology (ESC) in patients treated with trastuzumab.

ATC code: L01 - Cytostatics



Trastuzumab specifically targets Human Epidermal Growth Factor Receptor-2 (HER2) (1)(2). Nevertheless, this molecule has a partially reversible cardiotoxicity (3) in 4.6 to 34% of patients (4)(5). Monitoring of cardiotoxicity should be implemented according to the ESC.





Epidemiological and therapeutic characteristics of

patients:

Average age (years)		61,3 ± 14,4**
Average BMI* (kg/m²)		26 ± 7,4**
Patients treated intravenously (%)		15
Patients treated subcutaneously (%)		75
Average number of cycles		13,5 ± 7,4**
Potential risk factors of cardiotoxicity	Patients pre-treated with anthracycline (%)	40
	Average total epirubicin dose of pre-treated patients (mg/m ²)	323,8 ± 48,7**
	Patients with hypertension (%)	40
	Patients with dyslipidemia (%)	10
	Patients with diabetes (%)	10
Number of patients followed by echocardiography (%)		20
Number of patients followed by myocardial perfusion imaging (%)		80

Conclusion: Fifteen patients treated (75 %) were followed up in accordance with the recommendation. The appearance of cardiotoxicity seems to be favored by some previous events as mentioned in the literature (3)(5)(6). Nevertheless, since the number of patients included is small, a larger study should support these results.

Sources:

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