Publication details	Abstract	Study type	Study	Sub-types; tmt	Measures	Findings/con
			sites	history		clusion
Efficacy and safety of	Background: This prospective real-	Real world	China	TNBC, HER2+,	PFS, ORR, DCR	Efficacy and
eribulin mesylate in	world study aimed to assess the	evidence;		HR+;		tolerability
patients with locally	efficacy and safety of eribulin in the	mono- and		inoperable		consistent
advanced or metastatic	clinical practice against advanced	combo-		locally		with
breast cancer previously	breast cancer (ABC) in China.	therapies		advanced or		randomised
treated with	Patients and Methods: In this study,			metastatic		controlled
anthracycline/taxanes	eligible patients with inoperable			breast cancer		Phase III trials
	locally advanced or metastatic breast			who had		
Chen et al.	cancer who had experienced prior			experienced		
Cancer Medicine 13.10	neo-/adjuvant or failed the palliative			prior		
John Wiley and Sons Inc.	treatment with anthracycline/taxanes			neo-/adjuvant		
(May 2024)	were included. Eribulin (1.4 mg/m2)			or failed the		
https://doi.org/10.1002/c	was infused intravenously on Day 1			palliative		
am4.7295	and Day 8 every 3 weeks until disease			treatment with		
	progression or intolerable toxicity			anthracycline/t		
	occurred. The progression-free			axanes		
	survival (PFS), overall response rate					
	(ORR), disease control rate (DCR),					
	and safety of the treatment were					
	assessed. Results : One hundred and					
	thirty-four patients were enrolled. The					
	median PFS (mPFS) was 4.3 months					
	(95% CI: 0.3–15.4). The ORR and DCR					
	was 32.1% and 79.1%, respectively.					
	The mPFS of patients who received					
	eribulin as first- or second-line					
	treatment was significantly better					
	than those who received eribulin as					
	≥3-line treatment (6.9 months [95%					

-	The state of the s	,	1	1	,
	-8.8] vs. 4.0 months [95% CI:				
3.4–4.6	s], p = 0.006). The mPFS of				
patient	s with triple-negative, HER2-				
positive	e, and HER2(-)/HR(+) was 3.4				
(95% C	I:				
2.7–4.1), 6.2 (95% CI: 2.3–10.1) and				
5.0 mo	nths (95% CI: 4.1–5.9),				
respec	tively. HER2(+) patients had				
signific	antly longer PFS than TNBC				
patient	s (p = 0.022). Patients received				
combir	nation therapy had a				
signific	antly longer mPFS than those				
who red	ceived eribulin monotherapy				
(5.0 mc	onths [95% CI 3.6–6.3] vs. 4.0				
months	s [95% CI: 3.3–4.7] [p = 0.016]).				
Multiva	riate analysis revealed that				
MBC pa	atients with a molecular typing				
of non-	TNBC receiving eribulin as ≤2-				
line the	erapy and combination therapy				
had a lo	ow risk of disease progression.				
Neutro	penia (33.58%), leukopenia				
(11.949	%), and thrombocytopenia				
(4.48%) were the most common				
treatme	ent-related adverse events.				
Concli	ısion: Eribulin demonstrated				
effectiv	ve clinical activity and a				
favorab	ole tolerability profile in				
Chines	e patients with ABC in the real-				
world.	The efficacy and safety profile				
were co	onsistent with those reported in				
previou	ıs randomized phase 3 trials.				

Clinical value of offering Introduction: The achievement of Case study Luminal A A metabolic Eribulin has Italy multiple chemotherapy complete response with breast cancer, complete value as a lines to a luminal-like chemotherapy after multiple stage IV; 4 prev. response also treatment in metastatic breast cancer: treatment lines in metastatic breast lines of tmt on bone after heavily cancer and the chemosensitivity in a about a year of pretreated A case report with eribulin luminal-like breast cancer are two fifth-line and luminal-Valsecchi et al. like important issues as it is often asked treatment with Tumori 109.6: NP1-NP5. whether there is a potential limit to eribulin metastatic SAGE Publications Ltd. the number of therapeutic lines breast cancer (Dec 2023) offered and what clinical value they https://doi.org/10.1177/0 may have. In this setting, eribulin 3008916221141929 mesylate is a chemotherapy option available. Several randomized and observational studies demonstrated eribulin's meaningful improvement on prolongation of survival, chronicling the disease and preventing the onset of new metastases, although the rate of complete responses is rather limited. Case description: We report the five-year history of a luminal A breast cancer, stage IV at diagnosis, metastasized to bone and brain. After undergoing four chemotherapy lines and several radiotherapy sessions with partial response as the best response on bone and with a complete response on brain, our patient finally achieved a metabolic complete response also on bone after about a year of fifth-line treatment

Trastuzumab and	with eribulin. Currently the patient is in close clinical and radiological follow-up. Conclusions : This case report aims to emphasize the clinical value of a chronic chemotherapy treatment also in heavily pretreated and luminal-like metastatic breast cancer, supporting eribulin as a good choice to consider.	Multicenter		HER2+	Non inforiority	Finat atualists
pertuzumab in	Background: Trastuzumab (H) + pertuzumab (P) + taxane is a current	randomized	Japan	HEKZ+	Non-inferiority to taxane;	First study to show non-
combination with eribulin	standard first-line therapy for	open-label			PFS, OS, safety	inferiority of
mesylate or a taxane as	recurrent or metastatic human	parallel-group				eribulin to
first-line	epidermal growth factor 2-positive	phase 3;				taxane when
chemotherapeutic	(HER2+) breast cancer (BC).	Combo with				used in
treatment for HER2-	However, taxane-induced toxicities,	dual HER2				combination
positive, locally advanced	which reduce patient quality of life	blockade = HP				with dual
or metastatic breast	(QoL), necessitate development of	as 1 st line tmt				HER2
cancer: Results of a	less toxic but at least equally effective					blockade. As
multicenter, randomized,	taxane alternatives. We investigated					a less toxic
non-inferiority phase 3	the non-inferiority of eribulin to taxane					but equally
trial in Japan (JBCRG-	when used in combination with dual					effective
M06/EMERALD)	HER2 blockade (HP). Methods : The					alternative to
	multicenter randomized open-label					the taxane
Yamashita et al.	parallel-group phase 3 EMERALD trial					containing
Journal of Clinical	(UMIN000027938, NCT03264547) was					regimen,
Oncology, suppl.	carried out to test the noninferiority					eribulin
Supplement 42.16	of eribulin + HP (study regimen)					combined
Lippincott Williams and	against docetaxel/paclitaxel + HP					with HP could
Wilkins. (Jun 2024)	(control regimen) as firstline					be first-line
						treatment of

chemotherapeutic treatment in		locally	\neg
·		advanced or	
patients with locally advanced or			
metastatic HER2+ BC. The study		metastatic	
design has been published (doi:		HER2+ BC.	
10.1186/s13063-020-04341-y).			
Patients were randomized (1:1) to			
receive, by intravenous infusion in a			
21-day cycle, either (i) eribulin 1.4			
mg/m2 on days 1 and 8, or (ii) a taxane			
(docetaxel 75 mg/m2 on day 1 or			
paclitaxel 80 mg/m2 on days 1, 8 and			
15), each being administered in			
combination with HP on day 1.			
The primary endpoint was			
progression-free survival (PFS).			
Secondary endpoints included			
objective response rate, overall			
survival (OS), QoL and safety. Non-			
inferiority was tested using the Cox			
proportional hazards model			
to estimate hazard ratios (HRs) for			
PFS events. The upper limit of			
acceptance of noninferiority			
HRmargins (1.33 and 1.25) was tested			
in a stepwise manner. Results :			
Between August 2017 and June 2021,			
446 patients (224 and 222 in the study			
and control groups, respectively) were			
enrolled: median age was 56.0 (29-70)			
years, 244 (54.7%) had ER-positive			
BC, 285 (63.9%) had visceral			
23, 233 (00.070) Had viocolat			

	<u> </u>	T	1	1	1	1
	metastasis. While 247 patients					
	(55.4%) had de novostage 4 disease,					
	199 (44.6%) underwent radical					
	surgery and 138 (30.9%) received					
	taxanes perioperatively. Both groups'					
	baseline characteristics were well					
	balanced. Median PFS was 14.0 mos					
	in the study group and 12.9 mos in the					
	control group (HR, 0.96; 95% CI, 0.77-					
	1.20), confirming noninferiority of the					
	study regimen. Median OS was 65.3					
	mos in the control group but has not					
	been reached in the study group.					
	Incidences of adverse drug reactions					
	including grade ≥3 febrile					
	neutropenia, edema and diarrhea					
	were numerically lower in the study					
	group than in the control group (4.9%					
	vs 8.7%, 8.5% vs 42.2% and 36.6% vs					
	54.1%, respectively). Conclusions :					
	This is the first study to show non-					
	inferiority of eribulin to taxane when					
	used in combination with dual HER2					
	blockade. As a less toxic but equally					
	effective alternative to the taxane					
	containing regimen, eribulin					
	combined with HP could be first-line					
	treatment of locally advanced or					
	metastatic HER2+ BC.					
Quality-of-life outcomes	Background: The randomized open-	Randomized	Japan	HER2+	QoL	Over 69 wks,
in patients with HER2-	label phase 3 JBCRG-M06/EMERALD	open-label				the E-based

positive, locally advanced	study (NCT03264547) is the first to	phase 3;	Global Health	regimen
or metastatic breast	show non-inferiority of eribulin (E) to	Combo with	Status (GHS)	delivered
cancer treated with	taxane (T) when used with	dual HER2	score;	stable and
eribulin mesylate in	trastuzumab (H) + pertuzumab (P) as	blockade = HP	EORTC QLQ-	clinically
combination with	first-line systemic therapy for locally	as 1 st line tmt	C30 score	meaningful
trastuzumab and	advanced or metastatic HER2+ breast			QoL
pertuzumab in the phase	cancer (BC). Median PFS was 14.0			maintenance
III JBCRG-M06/EMERALD	and 12.9 months (mo) in the study (E)			that tended to
study	and control (T) groups, respectively			last longer
	(HR, 0.95; 95% CI, 0.76-1.19),			than with the
Masuda et al.	confirming non-inferiority (HR			T-based
Annals of Oncology,	margin,1.33) of the study regimen			regimen.
suppl. Supplement 2 35:	(ASCO2024 abstract 1007).			
S375. Elsevier Ltd. (Sep	Maintaining quality of life (QoL) is a			
2024)	growing concern and one of the main			
	goals in cancer treatment. Here, we			
	report QoL outcomes in patients (pts)			
	enrolled in JBCRG-M06. Methods : Pts			
	were randomized to receive E (1.4			
	mg/m2 on days 1 and 8) or T			
	(docetaxel 75 mg/m2 on day 1;			
	paclitaxel 80 mg/m2 on days 1, 8 and			
	15), in both cases with H + P, as first-			
	line therapy (study design, doi:			
	10.1186/s13063-020-04341-y). To			
	evaluate patient-reported outcomes,			
	pts completed EORTC QLQ-C30 at			
	baseline, wks 9, 18, 27, 36, 45, 57,			
	and 69. A 10-point difference in			
	EORTC QLQ-C30 score was deemed			
	the minimally important difference			

(MID) for clinically meaningful change.			
Kaplan–Meier method was used to			
assess time to QoL deterioration, and			
log rank test for intergroup			
comparisons. Results : Of 446 pts			
randomized, 437 (221 and 216 in the E			
and T groups, respectively) comprised			
the full analysis set for QoL evaluation			
(median age, 56.0 [29–70] years;			
54.7% ER+; 65.2% with visceral			
metastasis). QoL maintenance rate			
[proportion of pts whose Global			
Health Status (GHS) score has not			
deteriorated by ≥10 points] was 62.7%			
vs 43.8% at 6 mo and 30.3% vs 25.7%			
at 12 mo in the E and T groups,			
respectively. Median time to QoL			
deterioration was 218 days in the E			
group, and 139 days in the T group			
(HR, 0.80; 95% CI, 0.66–0.99; p =			
0.08). For GHS (and some subscales),			
changes in adjusted mean			
QoL score was stable over time for the			
E group, whereas in T group pts, QOL			
tended to deteriorate until at least			
wk 36 (when most were in the			
chemotherapy period). Conclusions :			
Over 69 wks, the E-based regimen			
delivered stable and clinically			
meaningful QoL maintenance that			

	tended to last longer than with the T-					
	based regimen.					
	Clinical trial identification: JBCRG-					
	M06/EMERALD, NCT03264547.					
Efficacy of eribulin	Background: Breast cancer (BC) with	Post-hoc	USA	TNBC, HR+	PFS, OS, ORR	Treatment
mesylate in HER2-low	low-level HER2 expression (HER2-low)	analysis, based	Argenti	by HER2-low,		with eribulin
and HER2-0 metastatic	is defined by an	on HER2	na	HER2-0		demonstrated
breast cancer (MBC):	immunohistochemistry (IHC) score of	status, of	Austria			trends toward
Results from an analysis	1+ or 2+ without HER2 gene	Phase III	Australi			improved OS,
of two phase 3 studies	amplification or excess HER2 gene	studies (two	а			PFS, and ORR
	copy number, as measured by in situ	groups, one	Belgium			compared
Twelves et al.	hybridization (ISH). This represents	with < 2 prior	Brazil			with
Cancer Research, suppl.	approximately half of patients with BC	tmts and other	Canada			chemotherap
Supplement 83.5	overall (estimated as 55% for	with 2-5 prior	Croatia			y controls in
American Association for	hormone-receptor positive [HR+] BC	tmts);	Czechia			patients with
Cancer Research Inc.	and 38% for triple-negative breast	Eribulin vs	France			HER2-low or
(Mar 2023)	cancer [TNBC]; Scott, ASCO, 2021).	physician's	Hungar			HER2-0 MBC.
https://doi.org/10.1158/1	Some data suggest that patients with	choice and	У			
538-7445.SABCS22-P1-	HER2-low BC may respond differently	capecitabine	Italy			
03-02	to treatment than those whose BC		Poland			
	has no HER2 expression (HER2-0). In		Russia			
	this post hoc unplanned analysis, we		Sth			
	analyzed data from two pivotal phase		Africa			
	3 studies (Studies 305 and 301)		Sapin			
	comparing eribulin with other		Switzerl			
	chemotherapeutic agents (treatment		and			
	of physician's choice and					
	capecitabine, respectively ["control"])					
	in patients with both HER2-low and					
	HER2-0 MBC. Methods : Patients with					
	MBC, 2-5 (Study 305) or <2 (Study					

301) prior lines of chemotherapy for			
advanced/metastatic disease, and			
who had received an anthracycline			
and a taxane, were analyzed. HER2-			
expression status was determined by			
IHC and/or ISH assays. Median			
progression-free survival (PFS) and			
overall survival (OS) were calculated			
using the Kaplan- Meier method			
adjusted by study; comparisons of			
PFS and OS between treatment			
groups were performed using			
stratified (by prior capecitabine			
use, geographic region, and study)			
log-rank tests. Hazard ratios were			
estimated by a stratified Cox model.			
For each study, median PFS and OS			
were also calculated for HR+ and			
TNBC subgroups. Results : Baseline			
characteristics were generally			
balanced between treatment groups			
among patients with HER2-low			
(n=427) and HER2-0 (n=824) BC.			
Patients with HER2-low or HER2-0 BC			
showed trends toward benefit with			
eribulin treatment. In patients with			
HER2-low and HER2-0 BC, median OS			
was longer with eribulin vs control			
(15.1 vs 12.0 months and 15.2 vs 12.5			
months, respectively); median PFS by			
independent imaging review (IIR) was			

	alaa langar with aribulin us santus!					
	also longer with eribulin vs control					
	(4.0 vs 3.1 months and 3.9 vs 3.1					
	months, respectively). Objective					
	response rate (ORR) by IIR was also					
	higher with eribulin vs control in					
	patients with HER2-low and HER2-0					
	BC (13.7% vs 9.2% and 10.2% vs					
	7.4%, respectively). In a separate					
	analysis, median OS was longer with					
	eribulin vs capecitabine in patients					
	with TNBC and HER2-low and HER2-0					
	(15.4 vs 10.3 months and 14.4 vs 8.9					
	months, respectively).					
	Conclusions: In this post hoc					
	analysis, treatment with eribulin					
	demonstrated trends toward					
	improved OS, PFS, and ORR					
	compared with chemotherapy					
	controls in patients with HER2-low or					
	HER2-0 MBC.					
Eribulin in metastatic	BACKGROUND: Metastatic breast	Real world	Spain	Not stated	PFS, OS, Safety	Median PFS
breast cancer: Real world	cancer (MBC) is incurable. Systemic	evidence;		"MBC"	(AE)	similar to that
data	therapy is the standard treatment;	Mono- or				reported
	however, an optimal sequence of	combo- not				previously,
Fernández-Laguna et al.	chemotherapy has not been	stated				with lower
Breast Disease 42.1: 349-	established. OBJECTIVE :					OS. There
360. IOS Press BV. (Dec 5,	Evaluating effectiveness and safety of					was a
2023)	eribulin in MBC treatment and					tendency to
http://dx.doi.org/10.3233/	comparing the results obtained with					achieve
BD-230031	published literature. METHODS :					better results
	Observational, descriptive and					when eribulin
	, ,	l .	<u> </u>	<u> </u>	l .	1

retrospective study of patients with			was used
MBC treated with eribulin from			earlier.
01/12/2015 to 30/10/2021.			Eribulin is a
Effectiveness was analysed using			less well-
Kaplan–Meier-survival-curves,			tolerated drug
for the overall number of patients			than
treated and stratified by treatment			published
line. Safety was measured according			literature.
to adverse events (AE) based on			
CTCAE v5.0. Data analysis was			
performed using R v4.0.1. RESULTS :			
They were included in this study 53			
women who received eribulin (median			
age 58 years). Comparison of median			
survival from this study versus			
published data were: progression-			
free-survival (PFS) 3 (IC95%: 3–4)			
versus 3.7 months and overall-			
survival (OS) 8 (IC95%: 3–4) versus			
13.2 months for the overall number of			
patients. For the 1–3 line treatment			
group, PFS was 6 (IC95%: 3-NA) and			
OS was 15 (IC95%: 6-NA). There were			
322 AEs, the most frequent being			
blood disorders 16% (52), general			
disorders 12% (38), and			
gastrointestinal disorders 12%			
(38). CONCLUSIONS : The median			
PFS was similar to that reported			
 previously, with lower OS. There was a			

	tendency to achieve better results					!
	when eribulin was used earlier.					
	Eribulin is a less well-tolerated drug					
	than published literature.					
Safety and efficacy of	Background: Breast cancer is the	Real world	Korea	HR positive,	TTF, AE	Eribulin
eribulin in patients with	most common malignancy in Korean	evidence;		HER2 positive,		demonstrated
advanced or metastatic	women, and its incidence continues	At least 2 prev.		and TNBC		clinical
breast cancer	to increase. Eribulin was approved in	tmts, incldg				effectiveness
previously treated with	Korea in 2012 for patients with	anthracycline				and a
anthracycline and taxane	metastatic breast	and taxane;				favorable
in real-world clinical	cancer (MBC) who previously received	efficacy and				safety profile
practice: Data from post	at least two chemotherapeutic	safety profile				in patients
marketing	regimens, including anthracycline and					with MBC
surveillance in Korea	taxane. The post-marketing					under the
	surveillance (PMS) study was					approved
Chae et al.	conducted to assess the safety and					indication in
16th Annual Meeting of	efficacy of eribulin in Korean patients					real-world
the Korean Society of	with MBC within the approved					clinical
Medical Oncology &2023	conditions. Methods : The safety and					practice. No
International Conference	efficacy profile of eribulin have been					new safety
(KSMO 2023)	assessed through PMS in real-world					concerns or
http://dx.doi.org/10.1016/	clinical practice. This nationwide,					signals have
j.esmoop.2023.102127	multicenter, prospective, and non-					been
	interventional study was conducted					identified
	between Aug 2012 and Aug 2018					compared to
	across 64 centers. The main objective					the pivotal
	of this study was to confirm the safety					studies of
	and tolerability of eribulin in a larger					eribulin.
	population and additional analysis					
	was conducted for the three BC					

subtypes; HR positive, HER2 positive,			
and TNBC. Results :			
A total of 1,079 patients (1,004			
patients for safety assessment and			
367 patients for efficacy assessment)			
were enrolled. The mean age was			
52.86 years, and 92.01% were			
classified as stage IV at the time of			
enrolment. Among the patients,			
81.97% underwent breast cancer			
surgery, 20.88% received neoadjuvant			
chemotherapy, 62.74% received			
adjuvant chemotherapy, and 59.44%			
received prior hormone therapy. The			
median line of chemotherapy prior to			
eribulin in advanced setting was 4;			
87.0% of patients had previously			
received taxane, and 56.5% received			
anthracycline in the advanced setting.			
Time-to-treatment failure (TTF) was			
113.5, 89.0, and 64.0 days in HR-			
positive, HER2-positive, and TNBC			
groups, respectively. Eribulin was			
administered for more than six			
months in about 22% of patients. The			
mean dose of eribulin was 1.34			
mg/m2, and 21.68% of the patients			
required dose reduction at least once			
during therapy. Of the total, 23.2 % of			
patients received G-CSF. Adverse			
events (AEs) and serious AEs were			

	reported for 66.5 and 24.1% of patients, respectively. The most common AE reported was neutropenia (33.47% of patients). The frequent non-hematological AEs included fever (4.98%), liver function tests abnormality (3.49%), and nausea (3.39%). Neuropathy occurred in 5.39%, with no grade 3/4 severity. Grade 3/4 SAEs leading to discontinuation occurred in 3.99% of patients. Conclusions: Eribulin demonstrated clinical effectiveness and a favorable safety profile in patients with MBC under the approved indication in real-world clinical practice. No new safety concerns or signals have been identified compared to the pivotal studies of eribulin.					
Eribulin versus S-1 as first or second-line chemotherapy to assess health-related quality of	Background: Eribulin prolongs overall survival (OS) of patients with human epidermal growth factor receptor 2 (HER2)-negative metastatic breast	Randomised, controlled, open-label, phase III trial;	Japan	HER2-	EORTC- QLQ- C30; OS	The time of the first clinical deterioration
life and overall survival in HER2-negative metastatic breast cancer (RESQ study): a non-inferiority, randomised, controlled,	cancer (MBC), particularly in later chemotherapy (ChT) treatment. However, the health-related quality of life (HRQoL) and efficacy of first or second-line therapy in eribulin-	QoL; monotherapy				was similar between the two groups and OS significantly increased in
open-label, phase 3 trial	treated patients remain unknown. Using eribulin in the first- or second-					eribulin-

Takahashi et al.	line may demonstrate the			treated
eClinicalMedicine 74	noninferiority of HRQoL compared to			patients.
Elsevier Ltd. (Aug 2024)	S-1, an oral 5-fluorouracil derivative,			
http://dx.doi.org/10.1016/	while maintaining OS. Methods : This			
j.eclinm.2024.102715	randomised, controlled, open-label,			
	phase III trial was conducted at 50			
	hospitals in Japan. Patients were			
	enrolled from June 2016 and October			
	2019. Patients with HER2-negative			
	MBC once under or no previous ChT			
	were randomly assigned (1:1) to			
	receive eribulin or S-1. HRQoL was			
	assessed using the European			
	Organization for Research and			
	Treatment of Cancer (EORTC) Quality			
	of Life Questionnaire-Core 30 (QLQ-			
	C30) every six weeks until week 24			
	and every nine weeks until week 42.			
	The primary endpoint was the			
	deterioration defined as more than 10			
	points worsening of the general health			
	score of QLQ-C30 or death within one			
	year after randomisation. The			
	secondary endpoints included OS.			
	(Trial ID: UMIN000021398). Findings :			
	Three hundred and two patients were			
	enrolled, with 152 and 148 assigned			
	to the eribulin and S-1 groups,			
	respectively. The questionnaire			
	compliance rate was 85.6%. Risk			

difference of global health status deterioration through one year was -0.66% (95% CI: -12.47- 11.16; non-inferiority P = 0.077) for eribulin compared to S-1 groups. Median time to first deterioration for global health status score was 5.64 (95% CI: 3.51-8.00) and 5.28 months (95% CI: 3.51-8.00) and 5.28 months (95% CI: 3.28-7.80) in the eribulin and S-1 groups, respectively. The median OS was 34.7 and 27.8 months, (HR: 0.72, 95% CI: 0.54-0.96; P = 0.026); the median progression-free survival was 7.57 and 6.75 months in the eribulin and S-1 groups, (HR: 0.88, 95% CI: 0.67-1.16; P = 0.35), respectively. No new adverse events occurred. Interpretation: The time of the first clinical deterioration was similar between the two groups and OS significantly increased in eribulin-	1	difference of global boolth atotus					
year was -0.66% (95% CI: -12.47– 11.16; non-inferiority P = 0.077) for eribulin compared to S-1 groups. Median time to first deterioration for global health status score was 5.64 (95% CI: 3.51–8.00) and 5.28 months (95% CI: 3.28–7.80) in the eribulin and S-1 groups, respectively. The median OS was 34.7 and 27.8 months, (HR: 0.72, 95% CI: 0.54–0.96; P = 0.026); the median progression-free survival was 7.57 and 6.75 months in the eribulin and S-1 groups, (HR: 0.88, 95% CI: 0.67–1.16; P = 0.35), respectively. No new adverse events occurred. Interpretation: The time of the first clinical deterioration was similar between the two groups and	1						
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respectively. No new adverse events occurred. Interpretation: The time of the first clinical deterioration was similar between the two groups and	!	the eribulin and S-1 groups, (HR: 0.88,					
occurred. Interpretation: The time of the first clinical deterioration was similar between the two groups and	1	95% CI: 0.67–1.16; P = 0.35),					
the first clinical deterioration was similar between the two groups and	1	respectively. No new adverse events					
similar between the two groups and	!	occurred. Interpretation : The time of					
	!	the first clinical deterioration was					
OS significantly increased in eribulin-	!	similar between the two groups and					
	!	OS significantly increased in eribulin-					
treated patients.	!	treated patients.					
Clinical outcomes of Background : Eribulin is a novel Real world China HER2+, TNBC, PFS; tumour Eribulin was	Clinical outcomes of	Background: Eribulin is a novel	Real world	China	HER2+, TNBC,	PFS; tumour	Eribulin was
patients with metastatic synthetic analog of halichondrin B evidence; HR+ response; ORR effective in	patients with metastatic	synthetic analog of halichondrin B	evidence;		HR+	response; ORR	effective in
breast cancer treated that acts as a microtubule inhibitor Mono- and Chinese	breast cancer treated	that acts as a microtubule inhibitor	Mono- and				Chinese
with eribulin: A realworld and inhibits the G2-M growth phase. combo-	with eribulin: A realworld	and inhibits the G2-M growth phase.	combo-				patients with
evidence study from Eribulin was approved for metastatic therapy; 1 st -5 th MBC with a	evidence study from	Eribulin was approved for metastatic	therapy; 1st-5th				MBC with a
	_		line;				range of prior
landmark phase 3 EMBRACE trial lines of		• • •					
	Yan et al.	•					chemotherap
NCT00388726); however, only a small y, supporting	1	•		ĺ		1	1

Journal of Clinical	number of Asian patients were			the use of
Oncology, suppl.	included in that trial. Therefore, in this			eribulin in the
Supplement 41.16:	real-world study, we retrospectively			treatment of
e13126. Lippincott	assessed the clinical outcomes of			Chinese
Williams and Wilkins. (Jun	Chinese patients with MBC who			patients with
2023)	received eribulin. Methods : Adult			мвс.
https://doi.org/10.1200/J	patients with MBC who received			
CO.2023.41.16_suppl.e1	eribulin as several lines of therapy			
<u>3126</u>	were retrospectively analyzed. Socio-			
	demographic, clinical, pathology,			
	imaging, and therapy records were			
	reviewed. Progression-free survival			
	(PFS) and tumor response were			
	evaluated. Results : A total of 85			
	patients were included. The median			
	age was 45 years (range, 21-63).			
	Eribulin was used as a first, second,			
	third, and fourth or more			
	chemotherapy agent in 13 (15.3%), 16			
	(18.8%), 11 (12.9%) and 45 (52.9%) of			
	patients with MBC, respectively.			
	Eribulin was monotherapy in 32.9% of			
	patients; eribulin plus anti- HER2			
	targeted therapy was used in 9.4% of			
	patients; eribulin plus immunotherapy			
	was used in 5.9% of patients; eribulin			
	plus other chemotherapy was used in			
	36.5% of patients, and eribulin plus			
	antiangiogenic therapy was used in			
	9.4% of patients. The objective			
	response rate (ORR) was 28.2%			

overall. By number of lines of therapy,			
the first-line ORR was 38.5% and the			
second-line ORR was 37.5%. On			
subgroup analysis, ORR of patients			
with liver metastasis and lung			
metastasis was 43.9% and 38.6 %,			
respectively. By molecular			
classification, the ORR of patients			
with HR+/HER22 disease was 66.7%;			
among patients with HER2+ disease,			
32.6%; and among patients with			
triple-negative BC, 13.3%. The 6-			
month PFS rate was 33.6% overall. By			
number of lines of therapy, the 6-			
month PFS rate among patients who			
received eribulin as first-line			
treatment was 67.7% and among			
patients who received eribulin as			
second-line treatment, 38.3%. Among			
patients who received eribulin			
monotherapy, the 6- month PFS rate			
was 21.4% and among patients who			
received eribulin combination			
therapy, 41.2%. No adverse reactions			
related to neutrophils were reported.			
Conclusions: This realworld			
retrospective study suggests that			
eribulin was effective in Chinese			
patients with MBC with a range of			
prior lines of chemotherapy,			
supporting the use of eribulin in the			

	treatment of Chinese patients with MBC.					
Effectiveness, safety, and impact on quality of life of eribulin-based therapy in heavily pretreated patients with metastatic breast cancer: A real-world analysis Gui et al. Cancer Medicine 12.16: 16793-16804. John Wiley and Sons Inc. (Aug 2023) https://doi.org/10.1002/c am4.6301	Introduction: Eribulin is currently recommended for the treatment of patients with metastatic breast cancer (MBC) pre-treated with taxanes and anthracyclines. The aim of the present study was to evaluate the effectiveness and safety of eribulin and its impact on health-related quality of life in heavily pre-treated patients with MBC. Methods: Data from MBC patients who had received eribulin-based therapy at Beijing Cancer Hospital between January 2020 and July 2022 were analyzed retrospectively. Progression-free survival (PFS), overall survival (OS), objective response rate (ORR), disease control rate (DCR), adverse effects (AEs) and health-related quality of life (HRQoL) were assessed. Results: Data from 118 patients who had received eribulin to treat MBC were included. Median PFS was 4.2 months and median OS had not been reached. The ORR was 13.6% (16/118) and DCR was 75.4% (89/118). The median PFS in patients who received eribulin in second-line (26/118), third-line (29/118), or fourth-line or later	Real world evidence; Effectiveness and safety of eribulin and its impact on health-related quality of life in heavily pre- treated patients with MBC.	China	Not stated; "MBC"	PFS, OS, ORR, DCR, AE, HRQoL	Eribulin-based therapy is an effective treatment option and well tolerated for heavily pre-treated patients with MBC. Eribulin combination therapy might improve PFS and HRQoL compared with eribulin monotherapy.

	(C2/440) 4 F. 4 O. and 2 O.
	(63/118) was 4.5, 4.2, and 3.9
	months, respectively. The median OS
	in patients who received eribulin in
	third- or later line (n = 92) was 14.1
	months. Patients who received
	eribulin combination therapy had a
	significantly longer median PFS
	compared with those who received
	eribulin monotherapy (4.5 vs. 3.4
	months, p = 0.007) and there was a
	trend towards a longer
	median OS (not reached vs. 12.1
	months). The most common grade 3–
	4 adverse events were neutropenia
	(22.9%), leukocytopenia (13.6%) and
	asthenia/fatigue (8.5%), without
	significant differences in safety
	between eribulin monotherapy and
	combination therapy. Quality of life
	was similar in patients who received
	eribulin monotherapy and
	combination therapy, except for
	cognitive function and nausea and
	vomiting symptoms, which were
	better with combination therapy.
	Conclusions: The present study
	suggests that eribulin-based therapy
	is an effective treatment option and
	well tolerated for heavily pre-treated
	patients with MBC. Eribulin
	combination therapy might improve
L	

	PFS and HRQoL compared with					
	eribulin monotherapy.					
Retrospective analysis on	Background: Eribulin has been widely	Real world	China	Not stated;	PFS	Eribulin plus
therapeutic efficacy and	used for the treatment of metastatic	evidence;		various		antiangiogeni
predictive indicators of	breast cancer (MBC). It has been	safety and		subtypes		c drugs may
eribulin plus anti	found that eribulin can work in	efficacy of				act as a
angiogenic	synergy with Bevacizumab or	eribulin plus				potential
drugs for metastatic	Anlotinib to achieve antiangiogenic	anti-angiogenic				therapy for
breast cancer	effects and possible synergistic	drugs in late-				late-line MBC
	enhancement. To optimize the	line MBC cf.				patients with
Zhang et al.	efficacy of eribulin usage in late-line	mono-therapy.				clinically
Cancer Research, suppl.	MBC patients, it is essential to delve					beneficial
Supplement 84.9	deeper into the effects of combined					therapeutic
American Association for	treatments and gather more real-					effects.
Cancer Research Inc.	world clinical outcomes. Therefore,					
(May 2024)	we evaluated the efficacy and safety					
https://doi.org/10.1158/1	of eribulin plus the anti-angiogenic					
538-7445.SABCS23-PO2-	drugs in late-line MBC patients.					
<u>05-12</u>	Objective: This study aims to					
	retrospectively analyze the					
	therapeutic efficacy and safety of					
	eribulin plus antiangiogenic drugs in					
	treating metastatic breast cancer and					
	explore predictive indicators of the					
	therapeutic efficacy of eribulin in					
	treating MBC. Methods : A					
	retrospective review study was					
	performed. 40 Patients diagnosed					
	with MBC and treated with eribulin in					
	Xi'an international medical center					
	hospital from May 2020 to May 2021					

were enrolled in this study. Patients		 	
were evaluable for this study and			
divided into two groups based on			
whether they received eribulin			
monotherapy or combined therapy. 22			
patients were treated with eribulin			
monotherapy, and 18 were treated			
with eribulin and anti-angiogenic			
drugs (Bevacizumab and Anlotinib).			
Patients' treatment parameters and			
characteristics were recorded. The			
Kaplan-Meier method was used to			
calculate the median PFS and			
corresponding 95% confidence			
interval (CI), and the Cox regression			
model was used for multivariate			
analysis of predictive indicators. The			
Fisher exact probability test was used			
to compare the difference in adverse			
reactions between the two groups,			
with a level of significance set at p-			
value < 0.05. Results : All study			
patients have an average of 5			
treatment lines and a median			
progression-free survival (mPFS) of			
4.2 months. The eribulin plus anti-			
angiogenic drug treatment group had			
a significantly prolonged mPFS			
compared to the group without anti-			
angiogenic drug treatment (7.0			
months vs 2.0 months, p <0.001, log-			

rank). Multivariate analysis identified			
that the combination of anti-			
angiogenic therapy (HR = 0.043, p =			
0.004) and the occurrence of grade 3-			
4 neutropenia after treatment were			
two predictive factors for longer PFS			
(HR = 0.322, p = 0.009). In contrast,			
prior resistance to taxanes was			
predictive of shorter PFS (HR = 4.583,			
p = 0.019). Other factors, including			
age, Eastern Cooperative Oncology			
Group (ECOG) performance status,			
hormone receptor (HR) type,			
expression status, human epidermal			
growth factor receptor-2 (HER-2)			
expression status, Ki-67 level,			
number of metastatic lesions, and			
number of prior lines of Eribulin			
therapy, were not significantly			
associated with PFS. The results of			
Fisher's exact test show that there			
was no significant increase in			
treatment-related adverse events (all			
grades) after combination with anti-			
angiogenic drugs. Conclusion : A			
combination of eribulin and anti-			
angiogenic therapy has significantly			
prolonged mPFS in the treatment of			
MBC patients. Other factors			
such as prior non-taxane resistance,			
grade 3-4 neutropenia occurrence			

	1		T			
	after treatment, and combined					
	antiangiogenic therapy can be used as					
	biomarkers for predicting treatment					
	efficacy. The adverse events are					
	manageable and the safety of					
	combined therapy can be guaranteed.					
	Therefore, the eribulin plus					
	antiangiogenic combination may act					
	as a potential therapy for late-line					
	MBC patients with clinically beneficial					
	therapeutic effects.					
Eribulin Treatment for	Introduction: This study examined	Real world	UK	All subtypes	PFS, OS	Eribulin can
Patients with Metastatic	real-world data from patients who	evidence;				be
Breast Cancer: The UK	received eribulin for metastatic breast					successfully
Experience - A	cancer (MBC) collected from 14					used in older
Multicenter	hospitals across the UK. Methods:					patients with
Retrospective Study	Anonymized data were collected					MBC. Eribulin
	retrospectively from patients with					treatment
Jafri et al.	MBC who had received eribulin. The					was more
Oncology (Switzerland)	data included the hormonereceptor					effective in
100.12: 666-673. S.	status, histological diagnosis, age,					earlier-line
Karger AG. (Dec 1, 2022)	prior chemotherapy, response to					settings,
https://doi.org/10.1159/0	eribulin, progression-free survival					which, while
00526140	(PFS), and overall survival (OS).					predictable,
	Results: Among 577 patients					supports
	analyzed, the median age was 56					consideration
	years, and most patients (73%) were					of eribulin as
	estrogen-receptor positive. The					a second-line
	median OS was 288 days (95%					treatment
	confidence interval					option.

	[CI]: 261-315), and the PFS was 117					
	days (95% CI: 105-129). The median					
	OS was higher among older patients					
	(≥65 vs. <65 years: 325 days [95% CI:					
	264-385] vs. 285 days [95% CI: 252-					
	317]; p = 0.028). The median OS					
	was also higher in patients who					
	received eribulin after fewer prior					
	lines of chemotherapy (≤2 vs. >2 prior:					
	328 days [95% CI: 264-385] vs. 264					
	days [95% CI: 229-298]; p = 0.042).					
	Discussion/Conclusion: These					
	retrospective data suggest that					
	eribulin can be successfully used in					
	older patients with MBC. Eribulin					
	treatment was more effective in					
	earlier-line settings, which, while					
	predictable, supports consideration					
	of eribulin as a second-line treatment					
	option.					
Clinical outcomes of	Background : Approximately 75% of	Real world	China	HR+/HER2-	ORR, DCR, PFS	This
patients with HR-positive	patients with metastatic breast	evidence;				retrospective
advanced breast cancer	cancer are hormone receptor positive	Mono- and				study
treated with eribulin: A	(HR+)/ human epidermal growth	combo-				suggests that
retrospective multicenter	factor receptor 2 negative (HER2-) and	therapy; 2 nd –				eribulin was
study from China	are treated with endocrine therapy	5 th line tmts;				effective in
	based on subtype. However, the high					HR+ Chinese
Li et al.	rate of resistance to endocrine					patients with
Journal of Clinical	therapy requires switching to new					ABC. The
Oncology, suppl.	approaches, including chemotherapy.					front-line and
Supplement 42.16	Eribulin is a novel synthetic analog of					combined

Lippincott Williams and	halichondrin B that acts as a non-		therapy of
Wilkins. (Jun 2024)	taxane microtubule dynamics		eribulin in
	inhibitor and inhibits the G2-M growth		HR+ ABC
	phase. In this study, we		need further
	retrospectively assessed the clinical		exploration.
	outcomes of Chinese patients with		
	HR+ advanced breast cancer (ABC)		
	who received eribulin. Methods : The		
	study included 62 patients with		
	HR+/HER2- ABC in three Chinese		
	institutions between August 2019 and		
	August 2023. Socio-demographic,		
	clinical, pathology, imaging, and		
	therapy records were reviewed.		
	Progression-free survival (PFS) and		
	tumor response were evaluated.		
	Results: A total of 62 patients were		
	included. The median age was 50.0		
	years. Eribulin was used as a second,		
	third, fourth and fifth or more therapy		
	agent in 4 (6.5%), 23 (37.1%), 15		
	(24.2%) and 20 (32.3%) of ABC		
	patients, respectively. 54.8% of the		
	patients had previously used CDK4/6		
	inhibitors. Eribulin monotherapy and		
	eribulin-based combination therapy		
	were 59.7% and 40.3% of patients.		
	The objective response rate (ORR) and		
	disease control rate (DCR) were		
	21.0% (13/62) and 88.7% (55/62)		
	overall. By number of lines of therapy,		

	the less than or equal third line ORR was 33.3% and the greater than third line ORR was 11.4% (p = 0.0577). The median progression-free survival (mPFS) of total population was 5.2 months (95% CI: 4.1-5.8). The mPFS was 6.1 and 4.1 months in the eribulin-based combination therapy group and eribulin monotherapy group (p = 0.0219), respectively. By number of lines of therapy, the mPFS was 5.8 and 4.1 months in the less than or equal third line and greater than third line treatment (p = 0.05), respectively. Whether CDK4/6i had been used in these ABC patients had no effect on PFS, which was 5.0 and 5.5 months, respectively. Conclusions : This retrospective study suggests that eribulin was effective in HR+ Chinese patients with ABC. The front-line and combined therapy of eribulin in HR+ ABC need further exploration.					
Eribulin plus carboplatin combination for HER2-negative metastatic breast cancer: a multicenter, real world cohort study Ni et al.	Background: Pre-clinical data suggests a potential synergistic effect of eribulin and platinum. However, clinical data on the combination for metastatic breast cancer (mBC) is lacking. We evaluated the	Real world evidence; Combo- therapy with carboplatin;	China	TNBC, HR+/HER2-	ORR, OS, DCR, PFS, AE	Eribulin plus carboplatin demonstrated favorable efficacy and tolerability in patients with heavily pre-

BMC Cancer 24.1 BioMed	efficacy and safety of eribulin plus		treated mBC,
Central Ltd. (Dec 2024)	carboplatin (ErCb) in patients with		especially
http://dx.doi.org/10.1186/	mBC. Patients and methods: This		TNBC.
s12885-024-12953-9	multicenter, real-world cohort study		
	included patients with pre-treated		
	metastatic triple negative breast		
	cancer (TNBC) or endocrine-		
	refractory hormone receptor (HR)		
	positive, HER2-negative mBC who		
	received ErCb. Eribulin (1.4 mg/m2)		
	and carboplatin (target AUC = 2) were		
	administered intravenously on day 1		
	and 8 of 21- day cycle. Objective		
	response rate (ORR), disease control		
	rate (DCR), progression-free survival		
	(PFS), overall survival (OS), and		
	adverse events (AEs) were evaluated.		
	Results: From March 2022 to		
	December 2023, a cohort of 37		
	patients were recruited to the study.		
	Among them, 22 patients have TNBC		
	and 15 have HR + HER2 - mBC. Of the		
	22 patients with TNBC, 8 had an initial		
	diagnosis of the HR + HER2 – subtype.		
	The median treatment was 6 cycles		
	(range, 2 – 8 cycles). In the full cohort,		
	TNBC, and HR + HER2 – subgroup, the		
	ORR were 51.4%, 54.5% and 46.7%,		
	the DCR were 81.1%, 81.8% and 80%,		
	and the median PFS were 5 months, 5		
	months, and 5.2 months, respectively.		

	the entire cohort and 12.8 months in TNBC subgroup. The most common grade 3/4 hematological AEs were neutropenia (37.8%), leukopenia (35.1%), febrile neutropenia (10.8%), thrombocytopenia (5.4%), and anemia (2.7%). No grade 3/4 non-hematological AEs were observed. Conclusion : ErCb demonstrated favorable efficacy and tolerability in patients with heavily pre-treated mBC, especially TNBC. The findings of the current study warrant further investigation of the application of this combination in earlier lines of mBC treatment.					
Early Real-World Treatment Patterns and	Introduction: Eribulin was approved by the FDA in 2010 for the treatment	Real world evidence;	USA	TNBC and others	PFS, OS	These real- world data
Clinical Outcomes in	of metastatic breast cancer (MBC) in	eribulin				provide
Patients with Metastatic	the United States (US). More recently,	following IO or				evidence for
Breast	several immuno-oncology (IO) and	ADC				the clinical
Cancer Treated with	antibody–drug conjugate (ADC)					effectiveness
Eribulin After Prior	regimens have been approved for					outcomes of
Immuno-Oncology or	MBC. We assessed the treatment					eribulin
Antibody–Drug Conjugate	patterns and clinical outcomes in					treatment
Therapy	MBC patients treated with eribulin					among MBC
	following treatment with an IO or ADC					patients
Goyal et al.	in US clinical practice. Materials and					previously
	Methods: In a retrospective patient					

Broost Consort Torgets	modical abort ravious atudy nationta		treated with
Breast Cancer: Targets	medical chart review study, patients		
and Therapy 15: 855-865.	with MBC, aged ≥18 years, who		an IO or ADC.
Dove Medical Press Ltd.	initiated eribulin therapy between		
(2023)	March 1, 2019, and September 30,		
http://dx.doi.org/10.2147/	2020, treated with either		
BCTT.S422025	prior IO or ADC in the metastatic		
	setting were included. Patient		
	demographics, treatment		
	characteristics, and clinical		
	outcomes were analyzed		
	descriptively. Real-world progression-		
	free survival (rwPFS) and overall		
	survival (OS) were estimated using		
	Kaplan–Meier analyses. Results : In		
	the study population (N=143), median		
	age at eribulin initiation was 62 years;		
	64% were Caucasian, and 67% had		
	triple-negative MBC (TNBC). Eribulin		
	therapy was used in the second to		
	fifth line of therapy in the metastatic		
	setting; median treatment duration		
	was 7.2 months. The overall response		
	rate for eribulin was 59.4%. Median		
	rwPFS and OS from eribulin initiation		
	were 21.4 months (95% CI, 12.9-not		
	estimable [NE]) and 24.2 months		
	(95% CI, 17.5-NE), respectively. In		
	patients with TNBC, median rwPFS		
	and OS from eribulin initiation were		
	12.0 months (95% CI, 8.8-NE) and		
	18.3 months (95% CI, 14.9-NE),		

Real-world treatment	respectively. Conclusion : These realworld data provide evidence for the clinical effectiveness outcomes of eribulin treatment among MBC patients previously treated with an IO or ADC. Purpose : In 2010, the US Food and	Real world	USA	HR+/HER2-	PFS, OS	Our real-
patterns and clinical outcomes in patients treated with eribulin after prior phosphoinositide 3- Kinase inhibitor treatment for metastatic breast cancer	Drug Administration approved eribulin for the treatment of metastatic breast cancer (MBC). Since then, the treatment landscape has evolved with many new therapy classes, a more recent one being the small molecule inhibitors of phosphoinositide 3 kinase (PI3K). We sought	evidence; eribulin after PI3K inhibitor tmt	COA	and others	110,00	world study suggests that eribulin may be a potential treatment option for MBC patients who fail a
Goyal et al. Breast Cancer Research and Treatment 205.1: 201-210. Springer. (May 2024) http://dx.doi.org/10.1007/ s10549-023-07080-1	to characterize the treatment patterns and clinical outcomes of patients with MBC who received eribulin following prior treatment with a PI3K inhibitor. Methods : A retrospective cohort study based on medical record review included MBC patients who initiated eribulin between March 2019 and September 2020 following prior treatment with a PI3K inhibitor was conducted. Patient demographics, treatment characteristics, and clinical outcomes were analyzed descriptively. Real-world progression-free survival (rwPFS) and overall survival (OS) were estimated from the					prior PI3K inhibitor.

	initiation of eribulin therapy using					
	Kaplan-Meier analyses. Results : 82					
	eligible patients were included.					
	Patients' median age at eribulin					
	initiation was 62 years; 86.5% had					
	hormone receptor–positive,					
	human epidermal growth factor					
	receptor 2–negative tumors. Eribulin					
	was most often administered in the					
	second or third line (82.9%) in the					
	metastatic setting. Best overall					
	response on eribulin was reported as					
	complete or partial response in 72%					
	of the patients. The median rwPFS					
	was 18.9 months (95% confidence					
	interval [CI], 12.4-not estimable);					
	median OS was not reached. The					
	estimated rwPFS and OS rates at 12					
	months were					
	63.3% (95% CI, 50.5–73.7) and 82.6%					
	(95% CI, 72.4–89.3), respectively.					
	Conclusion: Our real-world study					
	suggests that eribulin may be a					
	potential treatment option for MBC					
	patients who fail a prior PI3K inhibitor.					
Survival and safety	Background: Eribulin is a synthetic	Real world	India	Various	PFS, OS,	This study
analysis of eribulin in	non-taxane anti-microtubule agent	evidence;		subtypes	tumour	confirms that
Indian patients with	approved in India for the second line	clinical			response,	Eribulin is
metastatic breast cancer:	of treatment of locally advanced or	outcomes of			safety	effective and
A real world clinical	metastatic breast cancer. Eribulin has	eribulin in				has
experience	shown to improve overall survival (OS)					

	in various subgroups of patients with	heavily pre-	manageable	е
Goyal et al.	metastatic breast cancer (MBC) who	treated MBC	toxicity in	
Journal of Clinical	were pretreated with an anthracycline	Indian females.	patients wit	th
Oncology, suppl.	and taxane. However, efficacy and		MBC. It	
Supplement 42.16	safety data for eribulin in Indian		should be	
Lippincott Williams and	patients with MBC is limited.		considered	as
Wilkins. (Jun 2024)	Therefore, this real world study		the strategy	/ of
	assessed the clinical outcomes of		several	
	eribulin in heavily pre-treated MBC		chemothera	ар
	Indian females. Methods :		y lines in	
	Histologically confirmed adult MBC		MBC.	
	patients who received eribulin over			
	several lines of therapy were			
	retrospectively analysed. Socio-			
	demographic, clinical, pathology,			
	imaging, and therapy records			
	were reviewed. The progression-free			
	survival (PFS), overall survival (OS),			
	tumor response and safety were			
	evaluated. Results : A total of 189			
	patients were included and out of			
	these patients 145 patients were			
	analysed. The median age of patients			
	was 52 years (range: 28-71). Eribulin			
	was used as a 2nd, 3rd, 4th and ≥ 5th			
	line chemotherapy agent in 17			
	(11.72%), 27 (18.62%), 44 (30.34%)			
	and 57(39.31%) of MBC patients,			
	respectively. In the overall population,			
	the objective response rate (ORR) was			
	7.58%, while the clinical benefit rate			l

(CBR) was 15.48%. The median PFS			
and OS were 3.86 (95% CI: 3.18-4.54)			
and 11.56 (95% CI: 8.72-14.40)			
months respectively. There was			
positive correlation between the			
number of eribulin cycles and the			
outcomes of survival, with patients			
getting more than 3 cycles having			
significantly superior OS and PFS. On			
subgroup analysis, there			
was no significant difference in the			
outcomes of survival on the basis of			
hormone receptor and her-2 status,			
however the patients who had more			
than 3 metastatic sites had			
significantly lower survival outcomes.			
The anthracycline and taxane			
refractory (progression within 6			
months after their last			
anthracycline/taxane dose)			
patients had significantly (p<0.001)			
lower median PFS as compared to			
anthracycline and taxane sensitive			
patients (2.96 months vs 5.23			
months) and (2.86 months vs 4.46			
months) respectively. Among the			
grade ≥3 toxicities, neutropenia was			
26.21%, anemia was 13.10%,			
thrombocytopenia was 6.21% and			
mucositis was 8.97%. The grade ≥2			
peripheral neuropathy was seen in			

	28.97% patients and 21.38% patients had gastrointestinal symptoms. Conclusions: This study confirms that Eribulin is effective and has manageable toxicity in patients with MBC. It should be considered as the strategy of several					
	chemotherapy lines in MBC.					
Does the Timing of	Background: This study aimed to	Real world	China	Not stated;	PFS, TTF,	Early line
Eribulin Treatment for	examine the effectiveness and safety	evidence;		MBC		eribulin was
Advanced or Metastatic	of eribulin used as	1st/2 nd -line vs				effective for
Breast Cancer Matter?	an early-line (EL, i.e., first-/second-	later line				MBC patients
Evidence from a Real-	line) versus late-line (LL, i.e., third-line	eribulin tmt				with known
World Setting	and beyond) chemotherapy for					toxicities,
	recurrent advanced or metastatic					while later
Chen et al.	breast cancer (A/MBC) patients.					line eribulin
Chemotherapy 68.1: 23-	Methods: This study conducted a					results were
34. S. Karger AG. (Jan 1,	retrospective observation of A/MBC					consistent
2023)	patients initiating eribulin between					with previous
https://doi.org/10.1159/0	January 1, 2015, and June 30, 2019,					reports.
00526490	using medical database at a					
	university-affiliated teaching hospital					
	in Taiwan. Patients were assigned into					
	either the EL or LL group based on the					
	timing of respective eribulin					
	treatments and were observed for at					
	least 6 months up to December 2019					
	for progression-free survival (PFS),					
	time to treatment failure (TTF), overall					

survival (OS), disease response, and			
occurrence of adverse events. The			
Kaplan-Meier and Cox proportional			
hazard regression survival analyses			
were performed. Results : Of 127			
patients, 23.6% (n = 30) and 76.4% (n			
= 97) were assigned to the EL and LL			
groups, respectively, between which			
no difference in patient			
characteristics was noted. Median			
PFS and TTF were 6.5 months and 5.0			
months for the EL and 4.2 months and			
3.4 months for the LL, respectively.			
Median OS could not be estimated in			
the EL group and was 20.5 months in			
the LL group. Eribulin as an EL			
treatment was the only factor			
associated with longer TTF and OS,			
whereas the number			
of metastatic sites was additionally			
associated with PFS in the			
multivariate analysis. No complete			
response was reported in either			
group, but a partial response was			
obtained in 6.7% in the EL group and			
3.1% in the LL group. The common			
adverse events between two groups			
were similar, including leukopenia			
(80.0%), neutropenia			
(76.7%), and anemia (60.0%).			
Conclusions : The eribulin used as an			

	EL of chemotherapy was effective for A/MBC patients with known toxicities in this study, while eribulin as the LL chemotherapy showed consistent results with previous reports.					
Efficacy and safety of eribulin plus gemcitabine in second-line or beyond for patients with HER2-negative metastatic breast cancer (MBC): A multicenter, open-label, single-arm, phase II study Peng et al. Journal of Clinical Oncology, suppl. Supplement 42.16 Lippincott Williams and Wilkins. (Jun 2024)	Background: The combination of eribulin and gemcitabine has demonstrated a similar progression-free survival (PFS) benefit as paclitaxel plus gemcitabine, with less neurotoxicity, for patients with MBC who have not received prior cytotoxic chemotherapy. However, the effect of eribulin plus gemcitabine on PFS in second line or beyond remains unclear. Methods: This open-label, single-arm, phase II study (NCT05263882) was conducted at 14 institutions in China. Eligible patients had histologically confirmed HER2-negative MBC and had received at least one prior taxane-containing chemotherapy regimen for advanced disease, and anthracycline-containing regimens in the adjuvant setting. Patients received intravenous infusions of eribulin (1.4 mg/m2) and gemcitabine (1.0 g/m2) on days 1 and 8 of a 21-day cycle. Efficacy outcomes, including PFS, objective response rate (ORR), and disease	Open-label, single-arm, phase II study; eribulin plus gemcitabine on PFS in second line	China	HER2- MBC	PFS, ORR, DCR, AE	Eribulin plus gemcitabine was effective in heavily pretreated patients with HER2- MBC, while maintaining a predictable and manageable safety profile.

		T.	
control rate (DCR), were assessed			
using RECIST v1.1. Adverse events			
(AEs) were graded according to NCI-			
CTC version 5.0. Results : A total of 70			
patients were enrolled from			
November 2021 to October 2023; 47			
(71.4%) had HR+HER2- and 18			
(28.6%) had triple-negative			
MBC. The median patient age was 50			
years (range: 31-68), and the sites of			
metastasis were the bone (68.6%),			
liver (52.9%), lymph nodes (48.6%),			
lung (44.3%) and brain (10.0%).			
Patients had received a median of 3			
prior lines of systemic treatment, 2			
lines of chemotherapy, and 1 line of			
endocrine treatment. Among all			
patients, the ORR was 48.6%, the			
DCR was 92.9% and the median PFS			
was 7.2 months. For the HR-positive			
subgroup, the median PFS was 8.4			
months, while for the triple-negative			
subgroup, it was 6.3 months. Among			
HR+ patients who had received prior			
CDK4/6 inhibitor treatment, the			
median PFS was 7.2 months. In the			
subgroup of HR+ patients who had not			
received CDK4/6 inhibitor treatment,			
the median PFS had not been			
reached. For the HR+ HER2-low			
subgroup, the median PFS was 8.4			

	months. The most common grade 3-4 AEs were hematological, including neutropenia (38.6%), leukopenia (31.4%), anemia (24.3%), and thrombocytopenia (15.7%). Grade ≥3 perceived AEs were relatively low. Conclusions : Eribulin plus gemcitabine was effective in					
	heavily pretreated patients with					
	HER2- MBC, while maintaining a					
	predictable and manageable safety					
	profile.					
Real-world treatment	Background : Until recently, treatment	Real world	USA	HR+/HER2-	OS, PFS	Within the
patterns and outcomes in	options for patients with hormone	evidence				index period,
patients with HR+/HER2-	receptor positive/	before ADCs				capecitabine
metastatic breast cancer	human epidermal growth factor 2-	approved;				was used the
treated with	negative (HR+/HER2-) metastatic					most as the
chemotherapy in the	breast cancer (mBC) and resistance					first
United States	to endocrine therapy were limited to					chemotherap
	chemotherapy. This real-world study					y agent and
Tolaney et al.	describes treatment					decreased in
ESMO Open 9.9 Elsevier	patterns and outcomes in patients					later
B.V. (Sep 2024)	treated with chemotherapy in the					treatments,
http://dx.doi.org/10.1016/	United States before approval of					while the use
j.esmoop.2024.103691	antibody–drug conjugates. Patients					of eribulin
	and methods: This retrospective,					increased
	observational study included adults					between first
	with HR+/HER2- mBC from the					and fourth
	ConcertAl Patient360™ Breast Cancer					chemotherapi
	dataset who initiated their first					es. This real-
	chemotherapy in the metastatic					world

setting between January 2011 and study June 2021. Treatment patterns were demonstrates described; real-world overall survival, that for time to next treatment or death, and patients with HR+/HER2real-world progression-free survival were evaluated for all eligible patients mBC, and patients treated with subsequent chemotherap chemotherapy. Index dates were the y provides start date of each chemotherapy relatively treatment. Results: Among 1545 limited eligible patients, 76% were white, 12% survival had Eastern Cooperative Oncology benefit which Group performance status ≥2, 38% decreases had de novo mBC, and median age with each was 61 years (range, 52-69 years). additional Within the index period, capecitabine chemotherap was used the most as the first y line, and chemotherapy agent and decreased highlights the in later treatments, while the use of need for eribulin increased between first and improved fourth chemotherapies. Median (95% treatment confidence interval) real-world overall options. survival was 23.3 months (21.3-25.4 months) from start of first chemotherapy, time to next treatment or death was 6.5 months (5.9-7.1 months), and real-world progressionfree survival was 6.9 months (6.4-7.6 months); median times from second, third, and fourth chemotherapies decreased with each additional

	chemotherapy treatment. Conclusions: This real-world study demonstrates that for patients with HR+/HER2- mBC, chemotherapy provides relatively limited survival benefit which decreases with each additional chemotherapy line, and highlights the need for improved treatment options.					
Overall survival of eribulin, trastuzumab, and pertuzumab as first-line therapy for patients with HER2-positive metastatic breast cancer: A phase II, single-arm clinical trial Inoue et al. Annals of Oncology, suppl. Supplement 4 34: S1492. Elsevier Ltd. (Nov 2023)	Background: The efficacy and safety of the three-drug combination of eribulin (E), trastuzumab (T), and pertuzumab (P) in patients with HER2-positive metastatic breast cancer (MBC) as first-line treatment was reported. The overall response rate (complete response [CR] + partial response [PR]) was 80.0% (95% confidence interval [CI], 59.3–93.2%), and the clinical benefit rate (CR + PR + stable disease ≥24 weeks; CBR) was 84.0% (95% CI, 63.9–95.5%). Median time to treatment failure with E was 9.1 months (95% CI, 4.3–13.9 months), and median progression-free survival was 23.1 months (95% CI, 14.4–31.8 months). The most common treatment-emergent adverse events (TEAEs) were alopecia (92.0%), fatigue (68.0%), and sensory peripheral	Phase 2; efficacy and safety of the three-drug combination of eribulin (E), trastuzumab (T), and pertuzumab (P) in patients with HER2-positive metastatic breast cancer (MBC) as first- line treatment	Japan	HER2+	ORR, PFS, TTF, TEAEs	ETP therapy showed acceptable efficacy and overall survival as first-line therapy for patients with HER2-positive Japanese MBC.

 neuropathy (60.0%). Grade 3/4 TEAEs			
occurred in 11 patients (44.0%). The			
only grade 4 TEAE was neutrophil			
count decreased (16.0%). Neither			
grade 4 peripheral neuropathy nor			
febrile neutropenia			
occurred (Inoue K et al Investigational			
New Drugs 2019; 180:135–46). We			
report the overall survival results and			
the efficacy of post-ETP treatments at			
5.5 years after the last enrollment.			
Methods: E 1.4 mg/m2 (days 1 and 8),			
T 8 mg/kg over 90 min and 6 mg/kg			
over 30 min, and P 840 mg/body over			
60 min and 420 mg/body over 30 min			
were administered intravenously in			
21-day cycles. Results : From April			
2016 to November 2017, 25 women			
received ETP therapy and 12 of the 25			
survived with a median OS of 78.4			
months, 95% CI 26.4-NA months.			
Subset analysis by log-rank test			
showed a significant difference			
(P=0.0114) and hazard ratio; 3.063			
95% CI 1.002-9.361 in hemoglobulin			
(≥12 vs. ≤12 mg/dl), but not in			
estrogen receptor status and			
neutrophil/lymphocyte			
ratio (≥2 vs. <2). T-emtansine,			
capecitabine + TP, T-deruxtecan, and			
epirubicin + cyclophosphamide were	 	 	
 · · · · · · · · · · · · · · · · · · ·		 	

	administered after ETP with CBR of 72.2% (13/18 patients), 80.0% (4/5 patients), 66.7% (2/3 patients) and 33.3% (1/3 patients), respectively. Conclusions: ETP therapy showed acceptable efficacy and overall survival as first-line therapy for patients with HER2-positive Japanese MBC.					
Eribulin for the treatment of advanced breast	Objective Eribulin treatment improved overall	Real world evidence;	UK	Not stated, various	AEs	Eribulin was well tolerated
cancer: A prospective	survival with predictable toxicities in	safety of later		various		in real-world
observational registry	phase 3 trials of patients with	line eribulin				clinical
study	previously treated, locally					practice,
	advanced/metastatic breast cancer.					comparable
Kenny et al.	This study (NCT02443428)					to safety and
European Journal of	prospectively observed eribulin					effectiveness
Cancer Care 31.6	treated patients in real-world clinical					reported in
Hindawi Limited. (Nov	practice.					other clinical
2022)	Methods					trials.
https://doi.org/10.1111/e	This observational multicentre					
<u>cc.13747</u>	registry study enrolled 76 patients					
	with locally advanced/metastatic					
	breast cancer					
	who had ≤2 prior chemotherapeutic					
	regimens for advanced disease.					
	Eribulin was administered at a 1.23					
	mg/m2 dose (days 1 and 8 of every 21-					
	day cycle). Adverse events (AEs) were					
	monitored and effectiveness was					
	assessed per local practice.					

	Results					
	AEs occurred in 98.7% of patients;					
	88.2% had eribulin-related AEs. The					
	most common AEs were fatigue					
	(64.5%), alopecia (36.8%), nausea					
	(35.5%) and constipation (30.3%).					
	Serious AEs occurred in 42.1% of					
	patients. The most common grade 3/4					
	AEs were neutropenia (9.2%), febrile					
	neutropenia (9.2%), dyspnoea					
	(5.3%) and pleural effusion (5.3%). No					
	fatal AEs occurred. Dose reductions					
	occurred in 31.6% of patients,					
	42.1% experienced dose delays and					
	9.2% discontinued due to worsening					
	condition. There were complete					
	responses in 2.6% and partial					
	responses in 15.8% of patients.					
	Median time to progression and					
	overall survival					
	were 4.0 and 8.3 months,					
	respectively.					
	Conclusion					
	Eribulin was well tolerated in real-					
	world clinical practice, comparable to					
	safety and effectiveness reported in					
	other clinical trials.					
Real-world (rw) outcomes	Abstract (English): Background :	Real world	France/	HR+/HER2-	OS	HR+/HER2-
in patients (pts) with	Endocrine therapy (ET) combined with	evidence;	German			mBC pts
hormone receptor-	CDK4/6 inhibitors (CDK4/6i) is the	analysis of	У			initiating CT in
positive and human		outcomes after				France

anidarmal grouth factor	standard of care for HR+/HER2- mBC	first OT	1	T	
epidermal growth factor		first CT			showed poor
receptor-2-negative	pts. However, efficacy is limited due	(taxanes,			survival,
(HR+/HER2-) metastatic	to acquired ET resistance, after	eribulin or			decreasing
breast cancer (mBC)	which treatment options are limited to	anthrocyclines)			with each
treated with	CT and, more recently, antibody-drug	for MBC, after			subsequent
chemotherapy (CT) in	conjugates. This rw study describes	endocrine			CT line. There
France	patient characteristics, treatment	therapy and/or			is still a high
	patterns and survival outcomes in	CDK4/6i			unmet need
Campone et al.	HR+/HER2- mBC pts initiating at least				for improved
ESMO Open, suppl.	first (1st)CT in France and Germany.				treatment
Supplement 4 9 Elsevier	Methods: This is an interim analysis				options in this
B.V. (May 2024)	of adults with HR+/HER2- mBC				population.
http://dx.doi.org/10.1016/	initiating CT (Jan 2016 - Feb 2023) for				
j.esmoop.2024.103279	mBC at the Institut de Cancérologie				
	de l'Ouest in France. Germany data				
	will be assessed in the final analyses.				
	Demographics, clinical				
	characteristics, and treatments were				
	described using descriptive statistics.				
	Kaplan-Meier method was used to				
	describe rw overall survival (OS) for				
	1st to 4th CT line, separately, from				
	each line start. Results : 339 pts were				
	analysed: 99% were female, 28% had				
	de novo mBC,				
	with median age of 62 years at 1st CT.				
	Prior to 1st CT start, 43% received				
	CDK4/6i and 52% ET for mBC. 61%,				
	39% and 24% had records of				
	subsequent second, 3rd and 4th CT				
	line, respectively. Most pts received				
	,	1			1

Post progression treatments after endocrine therapy (ET) plus palbociclib in patients with HR+/HER2-metastatic breast cancer (MBC): A prospective, real-world study Palumbo et al. Annals of Oncology, suppl. Supplement 2 34: S372. Elsevier Ltd. (Oct 2023)	CT as monotherapy: paclitaxel and capecitabine were the most used agents followed by eribulin and cyclophosphamide. Median rwOS was 19.9, 12.3, 8.1 and 7.2 months (mo) from 1st, 2nd, 3rd and 4th CT line, respectively (Table). [Formula presented] Conclusions: HR+/HER2-mBC pts initiating CT in France showed poor survival, decreasing with each subsequent CT line. There is still a high unmet need for improved treatment options in this population. Background: The association of ET and CDK 4/6 inhibitors (CDK 4/6i) is the gold standard of treatment in women with HR+/HER2- MBC. The optimal therapeutic strategy after CDK 4/6i progression is still a matter of debate. The present study aimed to evaluate the benefit of the different treatments adopted in a real-world context. Methods: In this prospective study we included women with HR+/HER2- MBC progressing to ET plus palbociclib (P). Either ET or chemotherapy (CT) were prescribed taking into account:1) site and burden of disease (visceral/plurimetastatic vs bone only/oligometastatic); 2) median PFS1 (<4 months vs ≥4 months); 3)	Real world evidence; various CT tmts incldg eribulin, after failure on CDK4/6i	Italy	HR+/HER2-	PFS, clinical benefit rate, determinants of physician's choice	Treatments beyond ET plus P failure provided limited but comparable clinical benefit. The physician's choice was clearly driven by visceral burden of disease,
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tolerability profile; 4) patient's			
preferences. Primary objective was			
median progression-free survival 2			
(PFS2). Secondary aims: analysis of			
the determinants of physician's			
choice, clinical benefit rate (CBR),			
impact of neutrophil-to lymphocyte			
ratio (NLR), monocyte-to lymphocyte			
ratio (MLR), platelet-to lymphocyte			
ratio (PLR) and body mass index (BMI)			
on PFS2. Results : From May 2017 to			
October 2021, 78 pre- and			
postmenopausal patients were			
enrolled and 56 were evaluable for the			
final analysis: 18 had received ET plus			
P as 1st line, 38 in			
≥2nd line; 22 patients were excluded			
because they were still on therapy at			
the time of the last follow-up. At			
progression 15 patients (26.7%)			
received ET (everolimus+exemestane			
8, fulvestrant 7) and 41 (73.2%) were			
treated with CT (eribulin,			
capecitabine, nab-paclitaxel,			
vinorelbine). In the whole population			
mPFS1 was 17.5 months; mPFS2 was			
5 months in the overall cohort (95% CI			
= 4-48 months) with a significant			
difference between ET and CT (10			
months vs 5 months, p=0.035); CBR			

	500/ LEE 00/ : ET 10T		I			
	was 50% and 55.2%, in ET and CT,					
	respectively.					
	At multivariate analysis CT					
	prescription was associated to a					
	higher visceral burden and a shorter					
	mPFS1.					
	Elevated NLR and PLR were correlated					
	with worse PFS2 in both treatment					
	groups, while no impact of MLR and					
	BMI was observed. Conclusions : In					
	this real life experience, treatments					
	beyond ET plus P failure provided					
	limited but comparable clinical					
	benefit. The physician's choice was					
	clearly driven by visceral burden of					
	disease; the inflammatory status					
	seems to have a detrimental effect on					
	PFS2.					
Trastuzumab	Background: Trastuzumab	TULIP is a	USA,	HER2+	PFS	T-Duo
duocarmazine versus	duocarmazine (T-Duo, SYD985) is a	randomized,	Brussel			showed a
physician's choice	HER2-targeting antibodydrug	international,	s,			meaningful
therapy in pre-treated	conjugate comprised of trastuzumab	multicenter,	Canada			and
HER2-positive	bound to the DNA alkylating agent	phase 3 study	,			statistically
metastatic breast cancer:	duocarmazine with a drugantibody	in patients with	Denmar			significant
Final results of the phase	ratio of 2.4 to 2.8. TULIP is a	pretreated	k,			improvement
III TULIP trial	randomized, international,	HER2-positive	France,			in PFS in
	multicenter, phase 3 study in patients	metastatic	Italy,			patients with
Aftimos et al.	with pretreated HER2-positive	breast cancer;	Netherl			pre-treated
Annals of Oncology,	metastatic breast cancer (MBC). The	Eribulin	ands,			HER2-positive
suppl. Supplement 2 34 :	initial analysis of the primary endpoint	included in	Singapo			MBC. The
	progression		re,			final OS

S340-S341. Elsevier Ltd.	free survival (PFS) showed a clinically	comparison	Spain,	results
(Oct 2023)	meaningful and statistically	arm	Sweden	confirm a
	significant difference in favor of T-Duo		, UK	trend towards
	versus physician's choice (PC) (Saura			a numerically
	et al., ESMO 2021). At that time,			prolonged OS
	preliminary overall survival (OS) data			(statistically
	were reported. Final OS and updated			non-
	secondary outcomes are reported			significant) in
	here. Methods : The TULIP trial			the T-Duo
	randomly assigned patients with			group
	HER2-positive locally advanced or			compared
	MBC with ≥2 previous HER2-targeting			with PC
	MBC regimens			group.
	or pretreated with T-DM1, in a 2:1 ratio			
	between T-Duo (1.2 mg/kg q3w) and			
	PC. PC could be either trastuzumab			
	combined with capecitabine or			
	vinorelbine or eribulin or lapatinib			
	plus capecitabine. The primary			
	endpoint was PFS by blinded,			
	independent, central review. Key			
	secondary endpoints are PFS by			
	investigator, OS, overall response rate,			
	QoL, duration of response and safety.			
	Results: A total of 291 patients were			
	randomized to the T-Duo group and			
	146 to the PC group. At the data cut			
	off, the median follow-up of the T-Duo			
	and PC groups were 35.6 months and			
	32.0 months, respectively. Median OS			
	was 21.0 months in the T-Duo group			

	and 19.5 months in the PC group. The hazard ratio was 0.87 (95% CI 0.68, 1.12) p=0.236. The 1-year survival estimate was 70% in the T-Duo group and 68% in the PC group. The primary endpoint PFS (7.0 vs 4.9 months, HR 0.63, p=0.002) and other secondary efficacy outcomes did not change in this analysis compared to the initial analysis. No new safety findings were observed with longer follow-up. Conclusions : T-Duo showed a meaningful and statistically significant improvement in PFS in patients with pre-treated HER2-positive MBC. The final OS results confirm a trend towards a numerically prolonged OS (statistically nonsignificant) in the T-Duo group compared with PC group. Safety was aligned with the primary analysis, with no new signals identified.					
	no new signals identified. Clinical trial identification: NCT03262935					
Feasibility and tolerability of eribulin-based chemotherapy versus other chemotherapy regimens for patients with metastatic triple-negative	Background: Patients with Triple- negative breast cancer (TNBC) face a poor prognosis and limited therapeutic options. Current data on eribulin usage to treat TNBC is scarce. Therefore, we sought to compare the feasibility and tolerability of eribulin-	Real world evidence; eribulin vs other CTs	China	TNBC	PFS, OS, ORR, DCR	For the salvage treatment of advanced TNBC, treatment with eribulin

breast cancer: a singlebased regimens with other produced centre retrospective study chemotherapy regimens in patients longer with TNBC. Method: This median PFS Huang et al. retrospective study was conducted at and OS than Frontiers in Cell and Fujian Medical University Cancer other Developmental Biology 12 Hospital and included 159 patients chemotherap Frontiers Media SA. with TNBC enrolled between October y regimens, (2024)2011 and January 2023. Patients with a well https://doi.org/10.3389/fc underwent treatment with eribulintolerated ell.2024.1313610 based and other chemotherapy safety profile. Therefore, regimens. The study's primary endpoints were progression-free further survival (PFS) and overall survival investigation (OS), while its secondary endpoint of eribulinwas objective response based rate (ORR), disease control rate treatment in (DCR), and safety. Tumour response larger was assessed using RECIST V.1.1 randomized criteria. Results: Of the 159 trials for participants in the study, 42 patients with individuals (26.4%) received advanced TNBC is treatment with eribulin, whereas 117 participants (73.6%) warranted. were administered alternative chemotherapy regimens, which included nabpaclitaxel-based therapy (n = 45) and platinum-based therapy (n = 51). The follow-up period for all patients

ended on 31 December 2022, and the	 	 	
median follow-up time was 18.3			
months (range:0.7–27.5). Following			
propensity score matching (PSM),			
eribulin-based treatment resulted in			
longer median progression-free			
survival compared to platinum-based			
(hazard ratio (HR) = 0.41 , p = 0.006),			
nab-paclitaxel-based (hazard ratio =			
0.36, p = 0.001) and other			
chemotherapy (HR = 0.39, p < 0.001).			
Also, eribulin induced a remarkable			
prolongation of the median overall			
survival duration in all three			
comparative groups. The group			
receiving eribulin treatment showed			
significantly reduced incidences of			
any grade of anaemia, peripheral			
neuropathy, nausea and vomiting, and			
hairloss compared to other			
chemotherapy groups. Conclusion :			
For the salvage treatment of			
advanced TNBC, treatment with			
eribulin produced longer median PFS			
and OS than other chemotherapy			
regimens, with a well tolerated safety			
profile. Therefore, further investigation			
of eribulin-based treatment in larger			
randomized trials for patients with			
advanced TNBC is warranted.			

Eribulin in breast cancer:	Eribulin is a non-taxane synthetic	Review		
Current insights and	analogue approved in many countries			
therapeutic perspectives	as third-line treatment for the			
	treatment of patients with metastatic			
Oey et al.	breast cancer. In addition to its			
World journal of	mitotic property, eribulin			
experimental medicine	has non-mitotic properties including			
14.2: 92558. (Jun 20,	but not limited to, its ability to induce			
2024)	phenotypic reversal of epithelial to			
http://dx.doi.org/10.5493/	mesenchymal transition, vascular			
wjem.v14.i2.92558	remodelling, reduction in			
	immunosuppressive tumour			
	microenvironment. Since approval,			
	there has been a surge in studies			
	investigating the application of			
	eribulin as an earlier-line			
	treatment and also in combination			
	with other agents such as			
	immunotherapy and targeted therapy			
	across all breast cancer sub-types,			
	including hormone receptor positive,			
	HER2 positive and triple negative			
	breast cancer, many demonstrating			
	promising activity. This review will			
	focus on the application of eribulin in			
	the treatment of metastatic breast			
	cancer across all subtypes including			
	its role as an earlier-line agent, its			
	toxicity profile, and potential future			
	directions.			

Health outcomes of	Background: Treatment of HER2-	ESMO	Italy,	HR+/HER2-,	LYs, QALYs	Earlier use of
treatment sequences	metastatic breast cancer (MBC) is	presentation;	USA,	TNBC		eribulin
with eribulin or other	driven by biomarker	Real world	German			resulted in
single agents'	status (HR+ vs. triple negative	evidence;	y, UAE,			greater Lys
chemotherapy for	[TNBC]). Single agent chemotherapy	eribulin vs	UK			and QALYs.
treating relapsed	(ChT) is recommended for patients	capecitabine				Starting single
metastatic HER2-negative	relapsing on targeted therapies	vs physician's				agent ChT
breast cancer	including endocrine therapy or	choice in 2 nd –				with ERI vs.
	immunotherapies, with ChTs optimal	4 th line HER2-				CAP or TPC is
Rivolo et al.	sequence not yet established. The	MBC				associated
Annals of Oncology,	study objective was to compare the					with improved
suppl. Supplement 2 34 :	health outcomes (life years [LYs],					health
S375-S376. Elsevier Ltd.	quality adjusted					outcomes for
(Oct 2023)	LYs [QALYs]) in sequences starting					2L-4L HER2-
	ChT with eribulin (ERI), capecitabine					MBC
	(CAP) or treatment of physician					management.
	choice (TPC), in second-line (2L) to					
	fourth-line (4L) settings. Methods : A					
	stochastic microsimulation was					
	developed tracking a MBC cohort					
	through 2L-4L, with patients starting					
	the next line of therapy due to					
	progression or serious adverse events					
	(SAEs) discontinuation. After each					
	line, patients could receive another					
	active therapy or best supportive care.					
	Treatment sequences across three					
	treatment pathways, capturing ChT					
	initiation in 2L, 3L or 4L (the table),					
	were based on clinical guidelines,					

real-world data and clinical interviews. Clinical inputs were stratified by biomarker and treatment line, with QALYs driven by progression status,					
Clinical inputs were stratified by biomarker and treatment line, with QALYs driven by progression status,					
biomarker and treatment line, with QALYs driven by progression status,					
QALYs driven by progression status,					
response rates and SAEs. The analysis					
_					
outcomes discounted at 3.5%.					
Results:					
In the HR+ subgroup, sequences with					
ERI used earlier than CAP/TPC led to					
higher LYs (1.62 - 2.24 vs. 1.57 -					
2.22) and QALYs (0.75 -1.28 vs. 0.69 –					
1.27), across the three pathways,					
driven by improved ERI efficacy and					
safety profile vs. CAP/TPC. Similarly,					
in the TNBC subgroup, earlier use of					
ERI vs. CAP/TPC led to higher LYs					
(1.19 - 1.64 vs. 1.16 - 1.63) and QALYs					
(0.55 - 0.86 vs. 0.49 - 0.85) when used					
in 2L or 4L, while 3L ERI vs. 3L					
TPC led to higher QALYs (0.70 vs. 0.67					
- 0.68), but comparable LYs (1.40). The					
results were consistent across					
the sensitivity analyses conducted.					
ChT with ERI vs.					
CAP or TPC is associated with					
I					
_	time horizon was 20 years, with outcomes discounted at 3.5%. Results: In the HR+ subgroup, sequences with ERI used earlier than CAP/TPC led to higher LYs (1.62 - 2.24 vs. 1.57 - 2.22) and QALYs (0.75 -1.28 vs. 0.69 – 1.27), across the three pathways, driven by improved ERI efficacy and safety profile vs. CAP/TPC. Similarly, in the TNBC subgroup, earlier use of ERI vs. CAP/TPC led to higher LYs (1.19 - 1.64 vs. 1.16 - 1.63) and QALYs (0.55 - 0.86 vs. 0.49 - 0.85) when used in 2L or 4L, while 3L ERI vs. 3L TPC led to higher QALYs (0.70 vs. 0.67 - 0.68), but comparable LYs (1.40). The results were consistent across the sensitivity analyses conducted. Conclusions: Starting single agent ChT with ERI vs.	time horizon was 20 years, with outcomes discounted at 3.5%. Results: In the HR+ subgroup, sequences with ERI used earlier than CAP/TPC led to higher LYs (1.62 - 2.24 vs. 1.57 - 2.22) and QALYs (0.75 -1.28 vs. 0.69 – 1.27), across the three pathways, driven by improved ERI efficacy and safety profile vs. CAP/TPC. Similarly, in the TNBC subgroup, earlier use of ERI vs. CAP/TPC led to higher LYs (1.19 - 1.64 vs. 1.16 - 1.63) and QALYs (0.55 - 0.86 vs. 0.49 - 0.85) when used in 2L or 4L, while 3L ERI vs. 3L TPC led to higher QALYs (0.70 vs. 0.67 - 0.68), but comparable LYs (1.40). The results were consistent across the sensitivity analyses conducted. Conclusions: Starting single agent ChT with ERI vs. CAP or TPC is associated with improved health outcomes for 2L-4L	time horizon was 20 years, with outcomes discounted at 3.5%. Results: In the HR+ subgroup, sequences with ERI used earlier than CAP/TPC led to higher LYs (1.62 - 2.24 vs. 1.57 - 2.22) and QALYs (0.75 -1.28 vs. 0.69 – 1.27), across the three pathways, driven by improved ERI efficacy and safety profile vs. CAP/TPC. Similarly, in the TNBC subgroup, earlier use of ERI vs. CAP/TPC led to higher LYs (1.19 - 1.64 vs. 1.16 - 1.63) and QALYs (0.55 - 0.86 vs. 0.49 - 0.85) when used in 2L or 4L, while 3L ERI vs. 3L TPC led to higher QALYs (0.70 vs. 0.67 - 0.68), but comparable LYs (1.40). The results were consistent across the sensitivity analyses conducted. Conclusions: Starting single agent ChT with ERI vs. CAP or TPC is associated with improved health outcomes for 2L-4L	time horizon was 20 years, with outcomes discounted at 3.5%. Results: In the HR+ subgroup, sequences with ERI used earlier than CAP/TPC led to higher LYs (1.62 - 2.24 vs. 1.57 - 2.22) and QALYs (0.75 -1.28 vs. 0.69 – 1.27), across the three pathways, driven by improved ERI efficacy and safety profile vs. CAP/TPC. Similarly, in the TNBC subgroup, earlier use of ERI vs. CAP/TPC led to higher LYs (1.19 - 1.64 vs. 1.16 - 1.63) and QALYs (0.55 - 0.86 vs. 0.49 - 0.85) when used in 2L or 4L, while 3L ERI vs. 3L TPC led to higher QALYs (0.70 vs. 0.67 - 0.68), but comparable LYs (1.40). The results were consistent across the sensitivity analyses conducted. Conclusions: Starting single agent ChT with ERI vs. CAP or TPC is associated with improved health outcomes for 2L-4L	time horizon was 20 years, with outcomes discounted at 3.5%. Results: In the HR+ subgroup, sequences with ERI used earlier than CAP/TPC led to higher LYs (1.62 - 2.24 vs. 1.57 - 2.22) and QALYs (0.75 -1.28 vs. 0.69 – 1.27), across the three pathways, driven by improved ERI efficacy and safety profile vs. CAP/TPC. Similarly, in the TNBC subgroup, earlier use of ERI vs. CAP/TPC led to higher LYs (1.19 - 1.64 vs. 1.16 - 1.63) and QALYs (0.55 - 0.86 vs. 0.49 - 0.85) when used in 2L or 4L, while 3L ERI vs. 3L TPC led to higher QALYs (0.70 vs. 0.67 - 0.68), but comparable LYs (1.40). The results were consistent across the sensitivity analyses conducted. Conclusions: Starting single agent ChT with ERI vs. CAP or TPC is associated with improved health outcomes for 2L-4L

A clinical systematic	Aim: This systematic literature review	Review;	HER2+	Longer overall
literature review of	aims to summarize the	efficacy of		survival (OS)
treatments among	efficacy/effectiveness of	tmts, incldg		was
patients with advanced	treatments, including eribulin (ERI)-	eribulin in		associated
and/or metastatic	based and anti-human epidermal	HER2+ MBC		with 1L and
human epidermal growth	growth factor receptor 2 (HER2)			2L treatment,
factor receptor 2 positive	treatments in advanced/metastatic			and for 3L+
breast cancer	HER2+ breast cancer. Methods : Three			studies that
	databases from 2016 to September			included ERI,
Ndirangu et al.	2021 were searched for clinical trials			ERI or
Journal of Comparative	and observational studies in patients			trastuzumab
Effectiveness Research	receiving first-line (1L) standard of			(Tmab) + ERI
13.6 Becaris Publishing	care (SOC), second-line (2L) SOC or			led to longer
Ltd. (2024)	third-line or subsequent lines (3L+).			OS than
https://doi.org/10.57264/	Results: 2692 citations were			treatments of
cer-2023-0153	screened, and 38 studies were			physician's
	included. Eleven studies were			choice
	randomized-controlled trials (RCTs; 5			(median OS
	in 1L, 6 in			of 11, 10 and
	3L+), 6 were single-arm trials (5 in 1L,			8.9 months,
	1 in 3L+) and 21 were observational			respectively).
	studies (13 in 1L, 6 in 2L, 4 in 3L+			Progression-
	[note that studies with subgroups for			free survival
	1L, 2L, 3L+ are double-counted]).			was 9 months
	Longer overall survival (OS) was			in Tmab +
	associated with 1L and 2L treatment,			pertuzumab
	and for 3L+ studies that included ERI,			(Pmab) + ERI,
	ERI or trastuzumab (Tmab) + ERI			4 months in
	led to longer OS than treatments of			Tmab + ERI
	physician's choice (median OS of 11,			and 3.3
	10 and 8.9 months, respectively).			

	Progression-free survival was 9 months in Tmab + pertuzumab (Pmab) + ERI, 4 months in Tmab + ERI and 3.3 months in ERI. Conclusion : Available treatments provide a wide range of efficacy. However, later lines lack standardization and conclusions on comparative effectiveness are limited by differing trial designs. Thus, the chance of prolonged survival with new agents warrants further research.				months in ERI.
Multiple Bayesian	Metastatic triple-negative breast	Review;	TNBC	PFS, OS, ORR	The most
network meta-analyses to	cancer (mTNBC) is a poor prognostic	Bayesian			effective
establish therapeutic	disease with limited	network meta-			alternatives
algorithms for metastatic	treatments and uncertain therapeutic	analysis			or candidates
triple	algorithms. We performed a				for
negative breast cancer	systematic review and multiple				subsequent
	Bayesian network meta-analyses				lines were
Schettini et al.	according to treatment line to				represented
Cancer Treatment	establish an optimal therapeutic				by nab-
Reviews 111 W.B.	sequencing strategy for				paclitaxel (in
Saunders Ltd. (Dec 2022)	this lethal disease. We included 125				ORR),
http://dx.doi.org/10.1016/	first-line trials (37,812 patients) and				capecitabine
j.ctrv.2022.102468	33 s/further-lines trials (11,321				(in PFS) and
	patients). The primary endpoint was				eribulin (in
	progression-free survival (PFS).				PFS and
	Secondary endpoints included overall				OS).
	response rates (ORR), overall survival				
	(OS) and safety, for first and further				
	lines, separately. We also estimated				

separate treatment rankings for the			
first and subsequent lines according			
to each endpoint, based on (surface			
under the cumulative ranking curve)			
SUCRA values. No first-line treatment			
was associated with superior PFS			
and OS than paclitaxel ±			
bevacizumab. Platinum-based			
polychemotherapies were generally			
superior in terms of			
ORR, at the cost of higher toxicity.			
PARP-inhibitors in germline-BRCA1/2-			
mutant patients, and immunotherapy			
+ chemotherapy in PD-L1-positive			
mTNBC, performed similar to			
paclitaxel ± bevacizumab. In PD-L1-			
positive mTNBC, pembrolizumab +			
chemotherapy was better than			
atezolizumab + nab-paclitaxel in			
terms of OS according to SUCRA			
values. In second/further-lines,			
sacituzumab govitecan outperformed			
all other treatments			
on all endpoints, followed by PARP-			
inhibitors in germline-BRCA1/2-			
mutant tumors. Trastuzumab			
deruxtecan in HER2-low mTNBC			
performed similarly and was the best			
advanced-line treatment in terms of			
PFS and OS after			

	sacituzumab govitecan, according to SUCRA values. Moreover, comparisons with sacituzumab govitecan, talazoparib and olaparib were not statistically significant. The most effective alternatives or candidates for subsequent lines were represented by nab-paclitaxel (in ORR), capecitabine (in PFS) and eribulin (in PFS and OS).				
Treatment strategies for advanced triple negative breast cancer patients as per routine clinical practice: analysis from the observational study GEICAM/2014-03 (RegistEM) Novoa et al. Cancer Research, suppl. Supplement 83.5 American Association for Cancer Research Inc. (Mar 2023) https://doi.org/10.1158/1538-7445.SABCS22-P4-07-45	Background: Triple negative breast cancer (TNBC) is well known for its more aggressive course and poorer prognosis compared to other BC subtypes. RegistEM study provides real world data to understand the distribution of BC subtypes in the advanced setting, being its primary objective. Biological samples collection is part of its procedures. This is a non-interventional cohort study and 1,907 patients (pts) have been enrolled up to now (females and males) with advanced BC (ABC), diagnosed from Jan-2016 to Dec- 2019, either after recurrence or as first BC diagnosis, in 38 Spanish sites. These pts will be followed for at least 5 years.	Real world evidence; TNBC characteristics, treatment patterns and outcomes;	Spain	TNBC	Eribulin is used as 1 st - and later line tmt in Spain for advanced TNBC

Methods: In the current analysis (cut-			
off date 08/April/2022, database			
ongoing), we describe			
characteristics, treatment patterns			
and outcomes, including comparison			
between recurrent and de novo			
disease, of 157 pts with advanced			
TNBC included in the RegistEM study.			
Those pts represent the 10% of pts			
available in the database at the cut-			
off date and with ABC diagnosis up to			
December 2018 (n=1559). The BC			
clinical subtypes were histologically			
confirmed on the most recent tumor			
lesion (metastatic [M] or primary BC)			
before starting with the 1st-line			
therapy. Results : At first ABC			
diagnosis, 73% pts had recurrent early			
BC (EBC), 26% de novo MBC and 1%			
unresectable locally ABC (ULABC).			
Median age was 57 years (range 30-			
88), all pts were women, 98%			
Caucasian and 65% postmenopausal.			
Family history of BC and/or ovarian			
cancer was reported in 37% pts, and a			
hereditary-risk genetic test was			
performed in 59 of 147 pts. Germline			
BRCA1/2 and TP53 were the most			
frequently mutated genes, 21% (6/28)			
and 47% (8/17) pts, respectively.			
Visceral involvement was present in			

69% pts (similar between recurrent	
EBC and de novo ABC, although brain	
metastases were only present in the	
recurrent EBC group), and ≤ 2	
metastatic locations in 59%. In 61%	
(70/115) pts with recurrent EBC, the	
subtype was assessed in metastatic	
lesions, and 39 pts of them also had	
TN subtype in primary BC. In terms of	
the most frequent therapies by line: 1)	
1st-line: chemotherapy (CT) (60%)	
and CT/biological therapy (BT) (39%).	
Of the 87 pts with CT alone,	
monotherapy was the preferred	
option in 57% pts (capecitabine 25%,	
taxanes 16%, and eribulin or	
vinorelbine, 5% each). Bevacizumab	
was the most	
frequent BT (79%) combined with CT	
(single agent in 56% pts, mostly	
taxanes and capecitabine).	
Progressive disease (PD) was reported	
in 85% pts (similar in pts with both	
recurrent and de novo MBC or	
ULABC); 2) 2ndline:	
CT (79%) (monotherapy capecitabine,	
eribulin, taxanes) and CT/BT (17%)	
(CT-containing bevacizumab	
82%). Progression was reported in	
92% pts; 3) 3rd-line: CT (90%) (eribulin	
33%, platinum-based 25%) and	

CT/BT (9%) (CT-containing			
bevacizumab 67%). Progression was			
reported in 88% pts. At database cut-			
off date,			
death was reported in 133 (85%) pts,			
mainly because of PD. Overall survival			
(OS) was similar between both			
groups, recurrent and de novo MBC.			
Conclusion: In this population of			
Spanish TNBC pts with ABC, three			
quarters had recurrent disease. De			
novo ABC pts had a higher proportion			
of non-visceral metastases, with			
absence of brain involvement at the			
first diagnosis. Single-agent CT and CT			
plus bevacizumab were the most			
frequent therapies, and OS was			
similar between recurrent and de			
novo MBC pts, although numerically			
higher in			
the later group.			