Clinical trials of angiogenesis inhibitors for advanced breast cancer (metastatic) in all type of patients

TrialResults-center www.trialresultscenter.org

1 combination with CT

Trial	Treatments	Patients	Trials design and methods
sorafenib + capecitabine vs capecitabine alone			
RESILIENCE , 2013 *ongoing* n=NA follow-up:	-	advanced HER2-negative breast cancer	
sorafenib + gemcitabine or capecitabine vs gemcitabine or capecitabine alone			
Schwartzberg , 2013 [NCT00493636] n=NA follow-up:	sorafenib (400 mg, twice daily) versus placebo	patients with HER-2-negative advanced breast cancer that progressed during or after bevacizumab	Parallel groups double-blind

References

RESILIENCE, 2013:

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2 combination with CT (without taxanes)

Trial	Treatments	Patients	Trials design and methods
bevacizumab + capecitabine vs capecitabine			
AVF2119g (Miller) cape , 2005 n=232/230 follow-up:	capecitabine + bevacizumab 15 mg/kg iv every 3 weeks versus capecitabine (2,500 mg/m2/d) twice daily on day 1 through 14 every 3 weeks	patients with metastatic breast cancer previously treated with an anthracycline and a taxane	Parallel groups open US

continued...

Trial	Treatments	Patients	Trials design and methods
RIBBON-I (Robert) on top capecitabine , 2009 n=NA follow-up:	Capecitabine + bevacizumab 15 mg/kg iv every 3 weeks versus capecitabine (Cape; 2,000 mg/m(2) for 14 days),	irst-line treatment of human epidermal growth factor receptor 2-negative, locally recurrent or metastatic breast cancer	double-blind
bevacizumav + CT vs CT alone			
RIBBON-2 (Brufsky) , 2009 n=NA follow-up:	addition of BV to chemotherapies used as second-line treatment for MBC versus chemo+placebo	second-line treatment of human epidermal growth factor receptor 2-negative metastatic breast cancer	Parallel groups open 19 countries
bevacizumab + methotrexate vs methotrexate			
Burstein , 2005 n=NA follow-up:	-	-	

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RIBBON-2 (Brufsky), 2009:

Brufsky A, Rivera RR, Hurvitz SA, et al: Progression-free survival (PFS) in patient subgroups in RIBBON-2, a phase III trial of chemotherapy (chemo) plus or minus bevacizumab (BV) for secondline treatment of HER2-negative, locally recurrent or metastatic breast cancer (MBC) J Clin Oncol 28: 119s, 2010 (abstr 1021)

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3 combination with ET

Trial	Treatments	Patients	Trials design and methods
bevacizumab + endocrine therapy vs endocrine therapy			
LEA n=NA follow-up:	bevacizumab + letrozole/fulvestrant versus letrozole or fulvestrant	first-line therapy in postmenopausal patients with human epidermal growth factor receptor 2 (HER2) -negative and hormone receptor-positive advanced breast cancer	
cediranib + fulvestrant vs fulvestrant			
Hyams [NCT00454805] n=NA follow-up:	-	-	
enzastaurin + fulvestrant vs Fulvestrant			
De Jong n=NA	-	-	
Letrozole plus bevacizumab vs letrozole			
Dickler (CALGB 40503 , 2015 n=NA	-	-	

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4 combination with taxanes

Trial	Treatments	Patients	Trials design and methods
bevacizumab + docetaxel vs docetaxel			
AVADO (Miles) 7.5mg , 2010 n=248/241 follow-up:	bevacizumab 7.5mg/kg every 3 weeks plus docetaxel versus placebo plus docetaxel	first-line treatment of HER2-negative metastatic breast cancer	double-blind
AVADO (Miles) 15mg , 2009 n=NA follow-up:	-	first-line treatment of HER2-negative metastatic breast cancer	
bevacizumab + paclitaxel vs paclitaxel			
Martin bevacizumab , 2011 n=NA follow-up:	bevacizumab 10 mg/kg intravenously on days 1 and 15 of each 28-day cycle versus control	patients with HER2-negative locally recurrent or metastatic breast cancer	open design
motesanib + paclitaxel vs paclitaxel			
Martin (motesanib) , 2011 [NCT00356681] n=91/94 follow-up:	motesanib 125 mg orally once per da versus placebo	patients with untreated HER2-negative metastatic breast cancer	double-blind
sorafenib + paclitaxel vs paclitaxel alone			
Gradishar , 2013 n=NA follow-up:	paclitaxel (90mg/m(2), weekly, intravenously, 3 weeks on/1 week off) plus sorafenib (400mg, orally, twice daily) versus paclitaxel (90mg/m(2), weekly, intravenously, 3 weeks on/1 week off)	first-line therapy in patients with HER2-negative advanced breast cancer	Parallel groups double-blind
bevacizumab + taxanes vs taxanes			
E2100 (Miller) , 2007 [NCT00028990] n=368/354 follow-up:	paclitaxel + bevacizumab 10 mg/kg iv every 2 weeks versus paclitaxel 90 mg per square meter of body-surface area on days 1, 8, and 15 every 4 weeks	patients with metastatic breast cancer not previously treated	Parallel groups open
RIBBON-I (Robert) on top Tax or anthra , 2009 n=NA follow-up:	Taxanes or anthracyclines + bevacizumab 15 mg/kg iv every 3 weeks versus taxane (Tax) -based (nab-paclitaxel 260 mg/m(2), docetaxel 75 or 100 mg/m(2)), or anthracycline (Anthra) -based (doxorubicin or epirubicin combinations [doxorubicin/cyclophosphamide, epirubicin/cyclophosphamide, fluorouracil/epirubicin/cyclophosphamide, o	irst-line treatment of human epidermal growth factor receptor 2-negative, locally recurrent or metastatic breast cancer	

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5 About TrialResults-center.org

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