

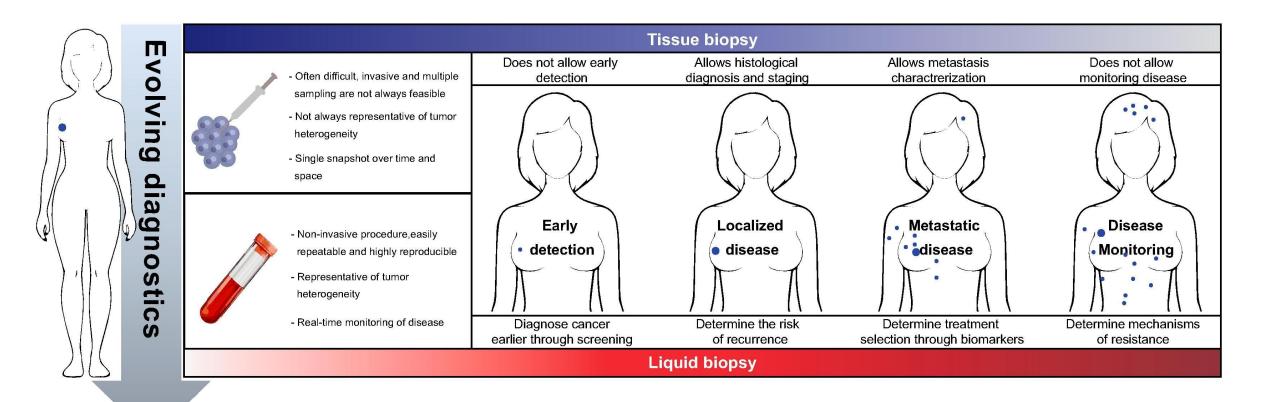
Sciub breast Journal Club

L'IMPORTANZA DELLA RICERCA IN ONCOLOGIA

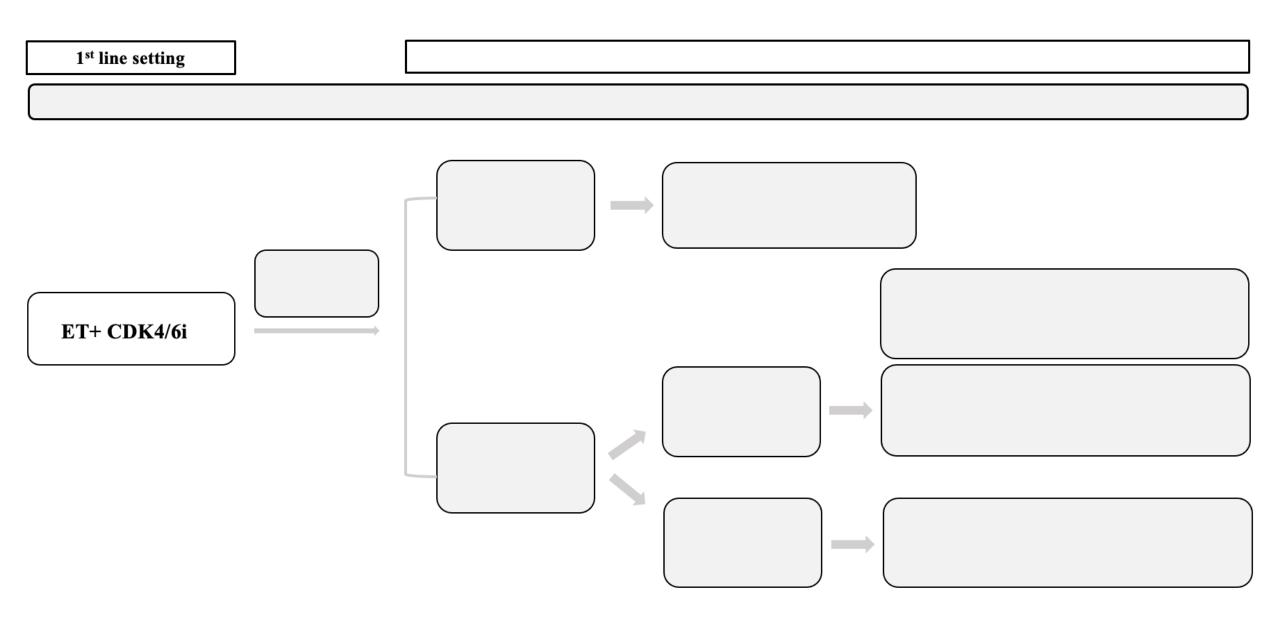
THE OCONTROLED DEDITION DO - 21 APRILE 2023 ROMA THE HIVE HOTEL Via Torino, 6

Biopsia liquida: siamo pronti per un uso clinico

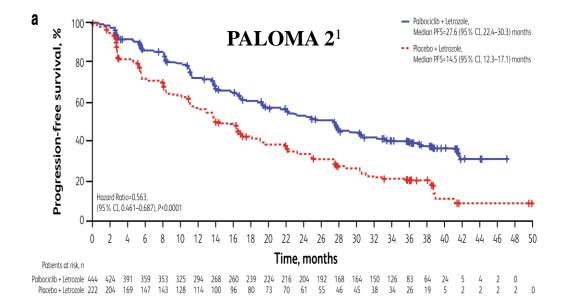
Linda Cucciniello



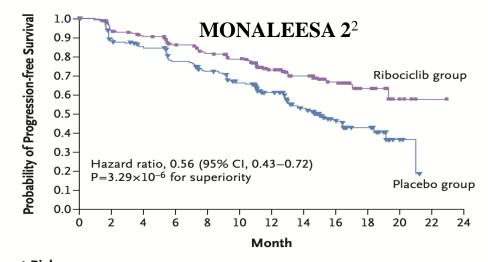
An <u>essential</u> tool for the management of luminal-like MBC



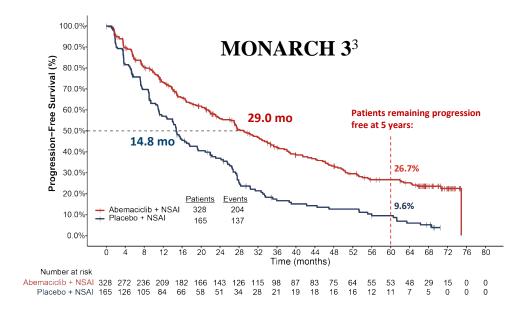
PFS for the currently approved CDK4/6 inhibitors + AI



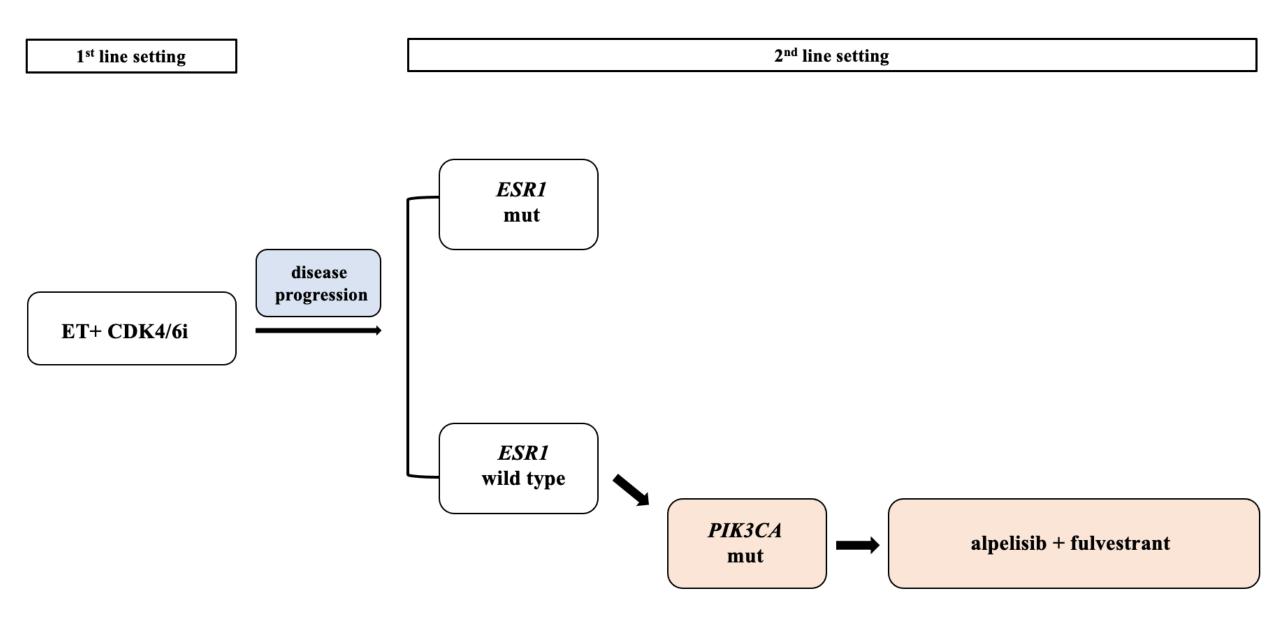
¹ Rugo HS et al. Breast Cancer Res Treat 2019;174:719–29
 ² Hortobagyi GN et al. N Engl J Med 2016;375:1738–48
 ³ Goetz MP et al. Ann Oncol 2022;33:S1384



No. at Risk													
Ribociclib	334	294	277	257	240	226	164	119	68	20	6	1	0
Placebo	334	279	264	237	217	192	143	88	44	23	5	0	0

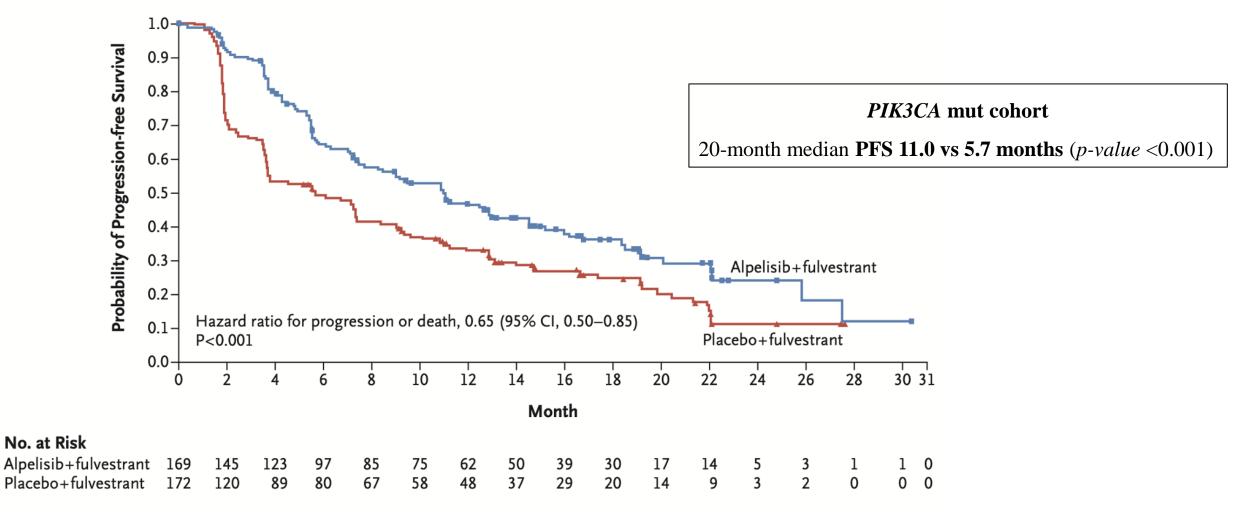


identifying mechanisms of resistance

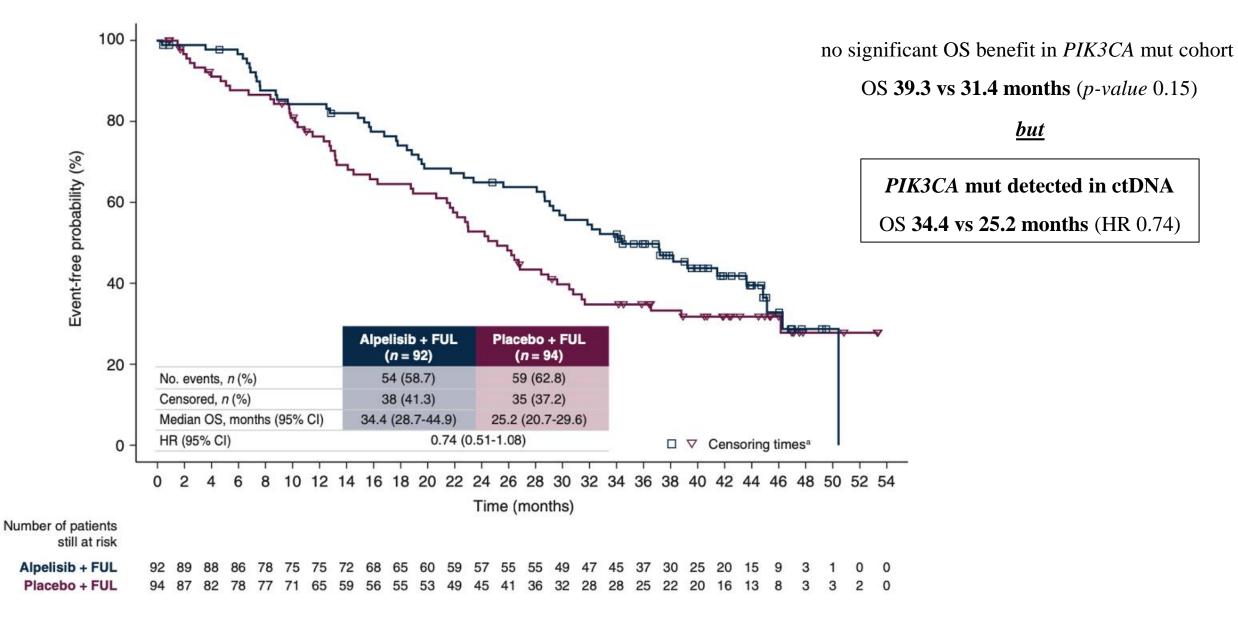


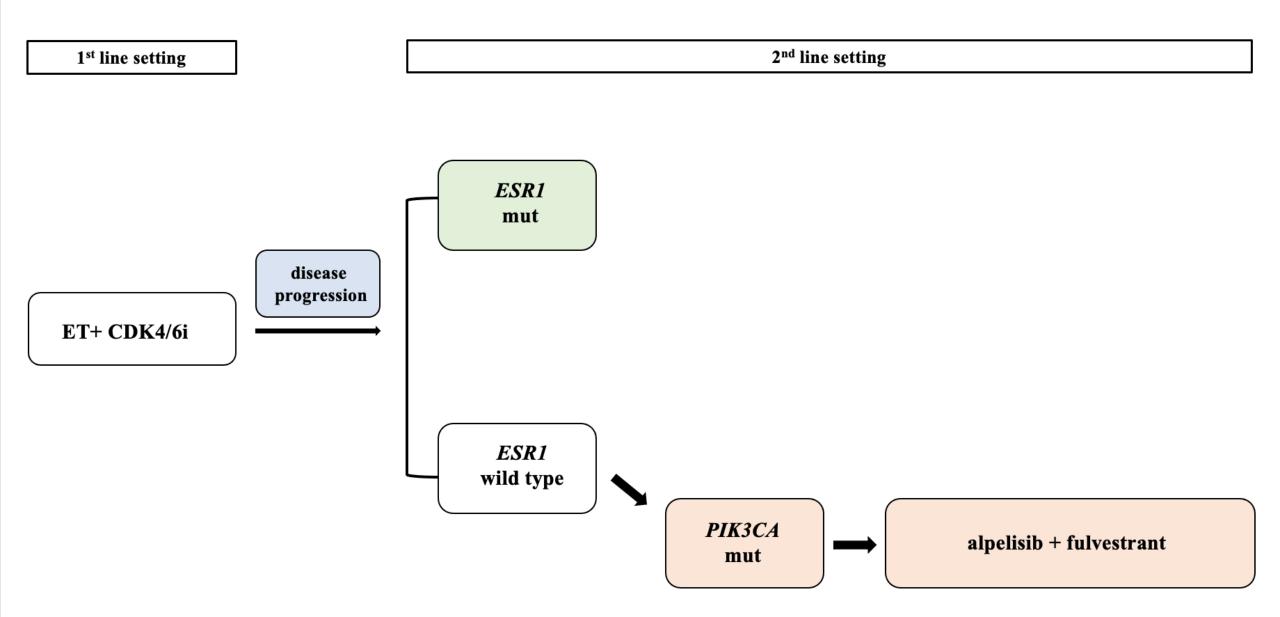
SOLAR-1

Cohort with PIK3CA-Mutated Cancer

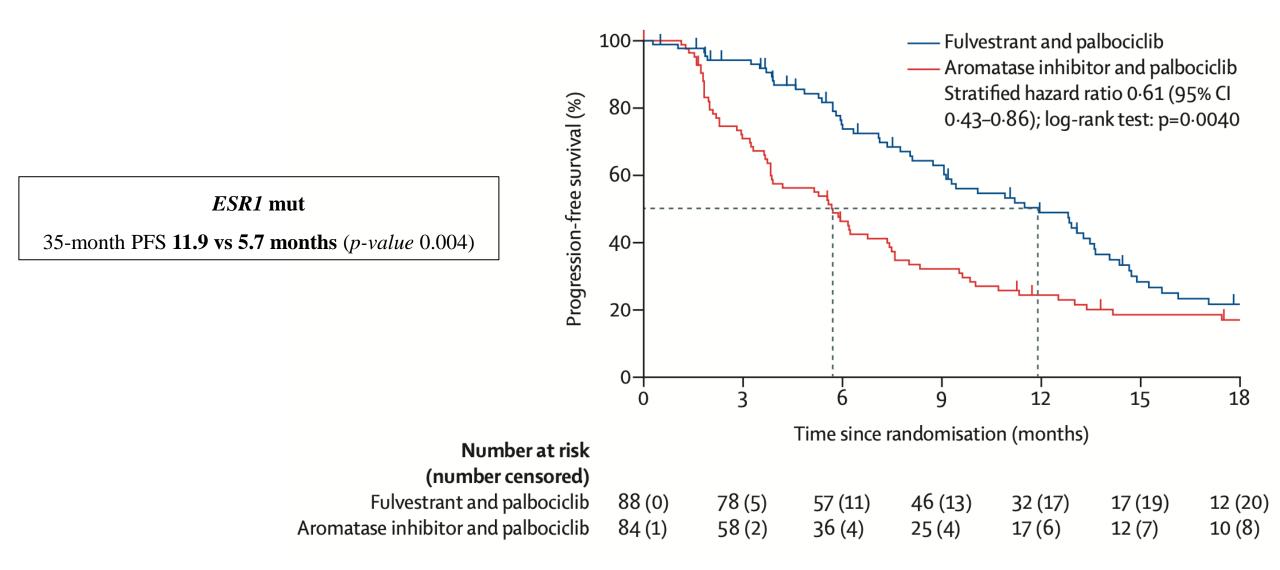


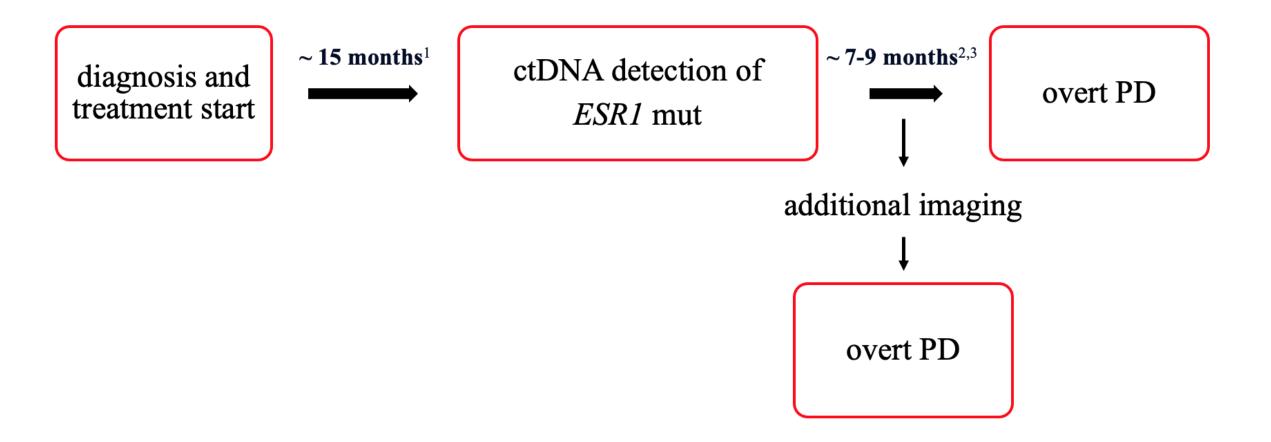
SOLAR-1



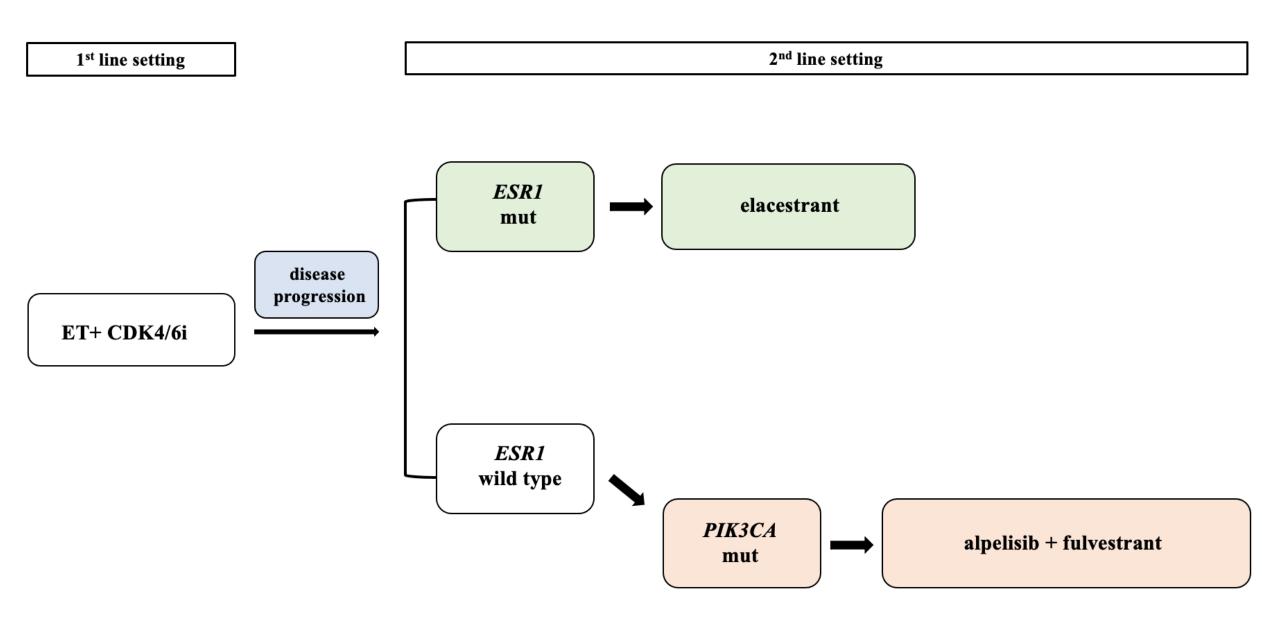


PADA-1

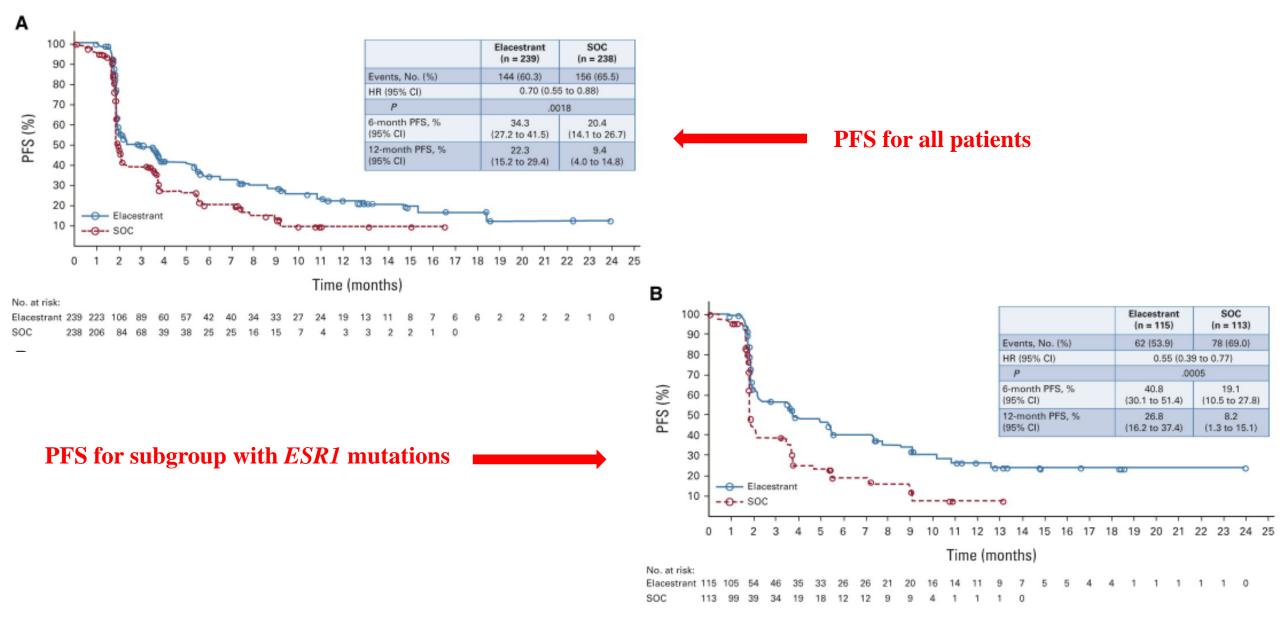




1 Bidard F-C et al. Lancet Oncol 2022;23:1367–77. 2 Fribbens C et al. Ann Oncol 2018;29:145–53. 3 Coombes RC et al. Clin Cancer Res 2019;25:4255–63.



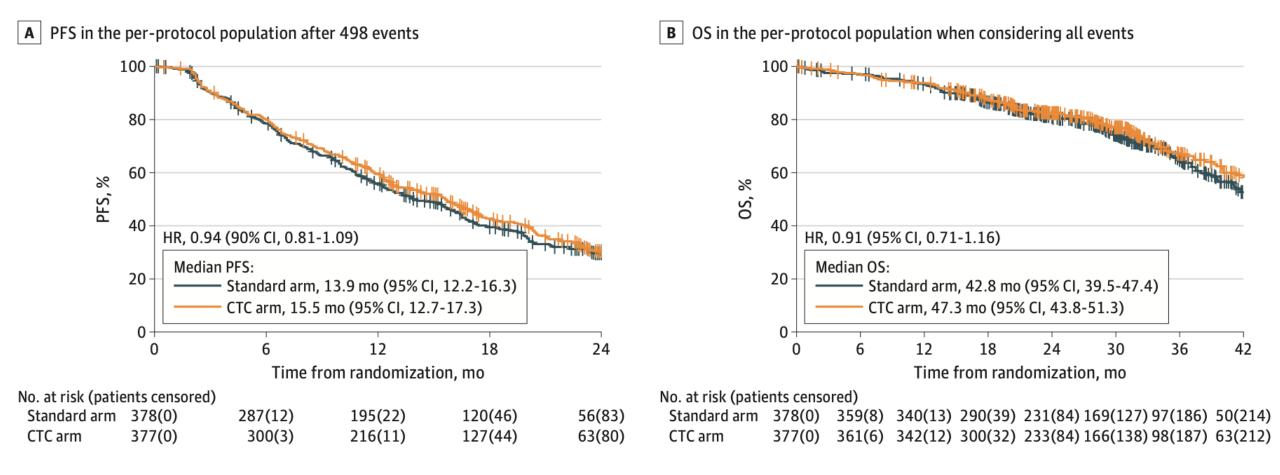
EMERALD



Bidard F-C et al. J Clin Oncol 2022;40:3246-56

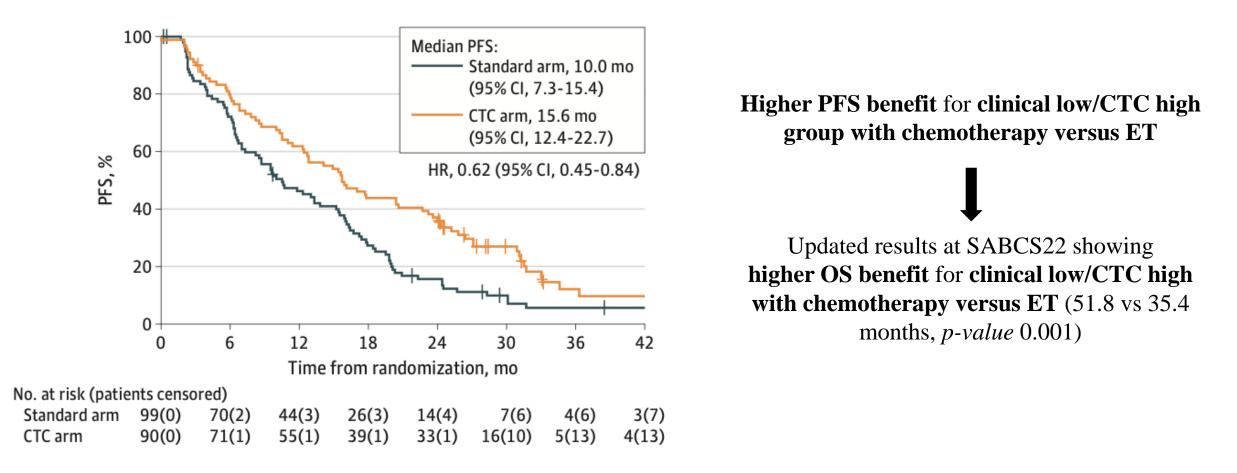
How do we define endocrine resistance? **STIC CTC**

STIC CTC

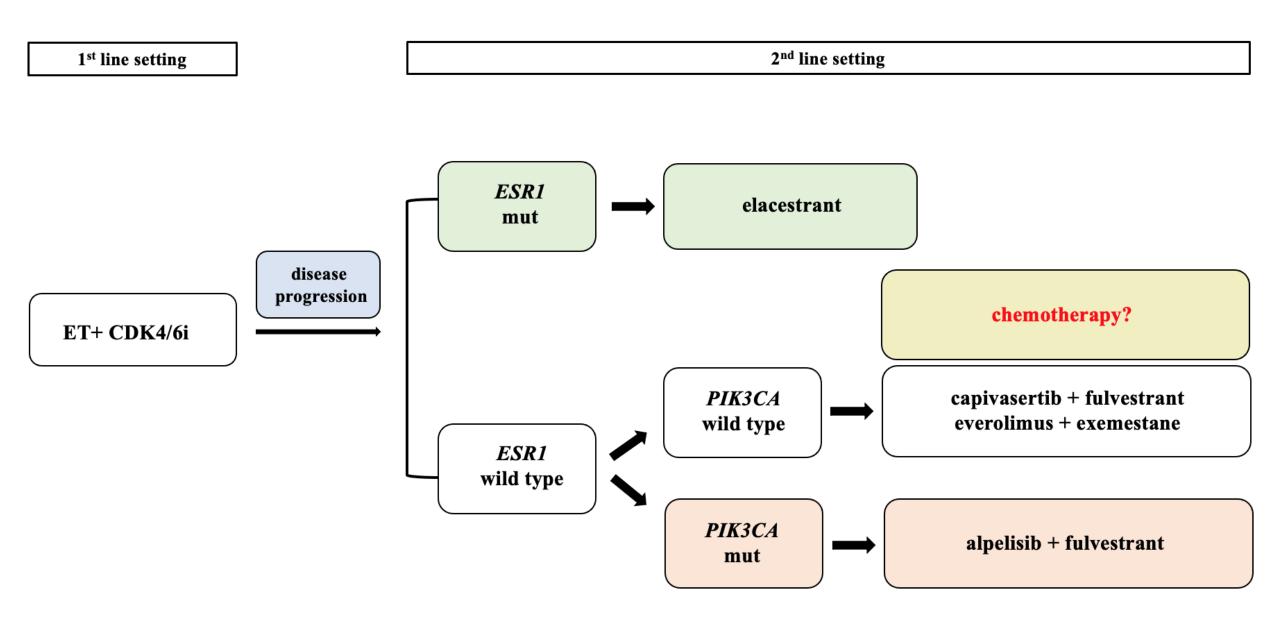


No significant differences in PFS or OS amongst CTC arm and standard arm

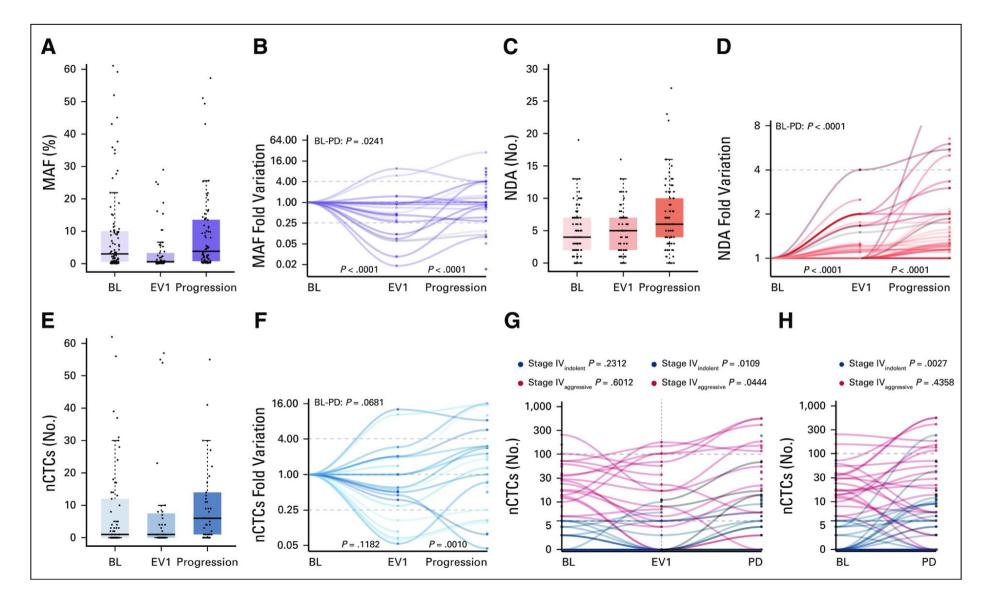
STIC CTC

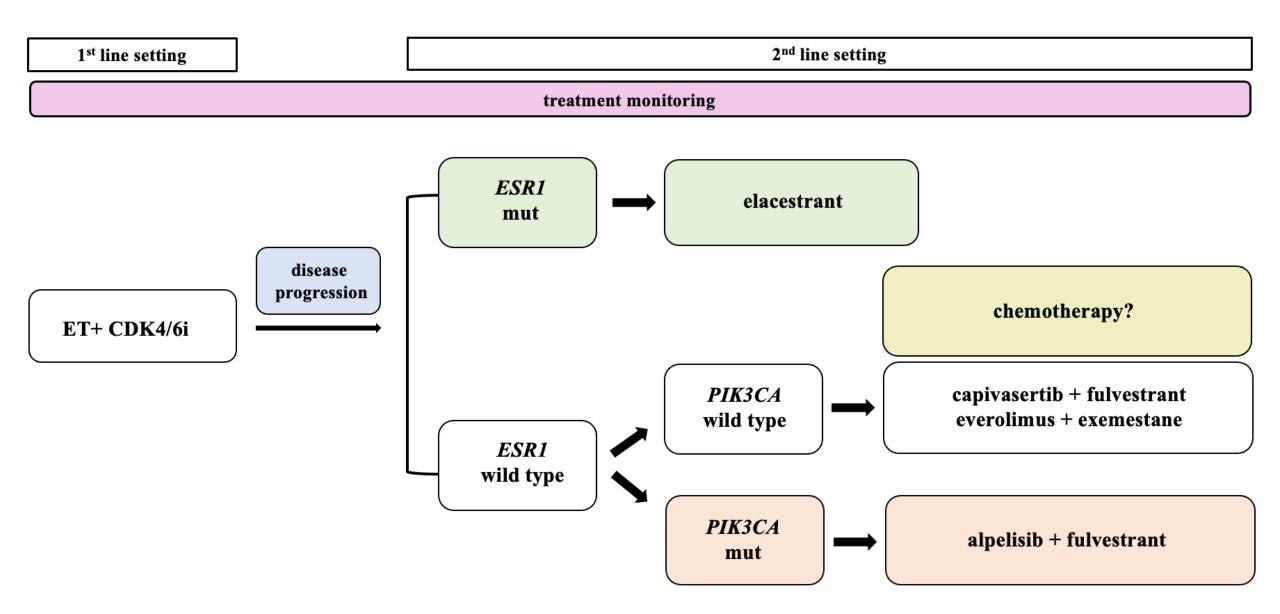


- CTC count is a reliable biomarker and should be considered in the decision-making process
- Patients with \geq 5 CTCs/7.5 mL of blood should receive chemotherapy



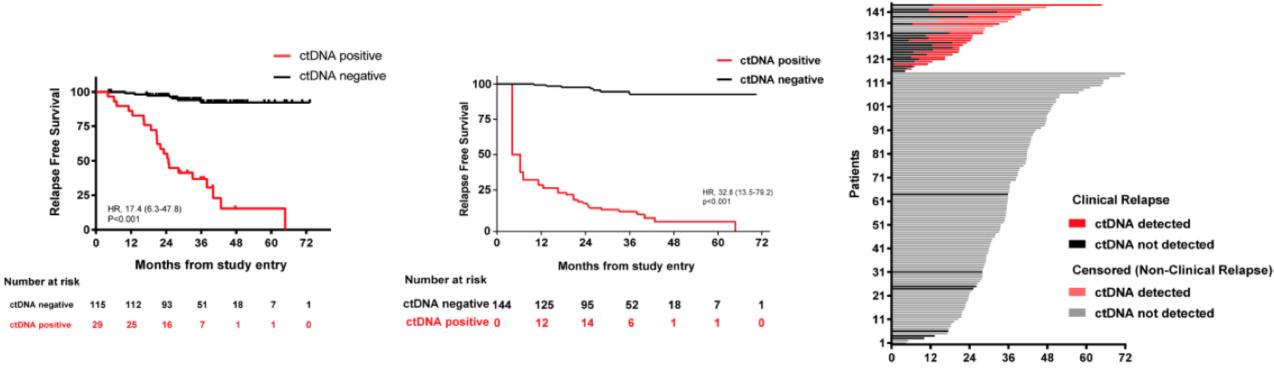
CTCs and ctDNA longitudinal monitoring to predict treatment response





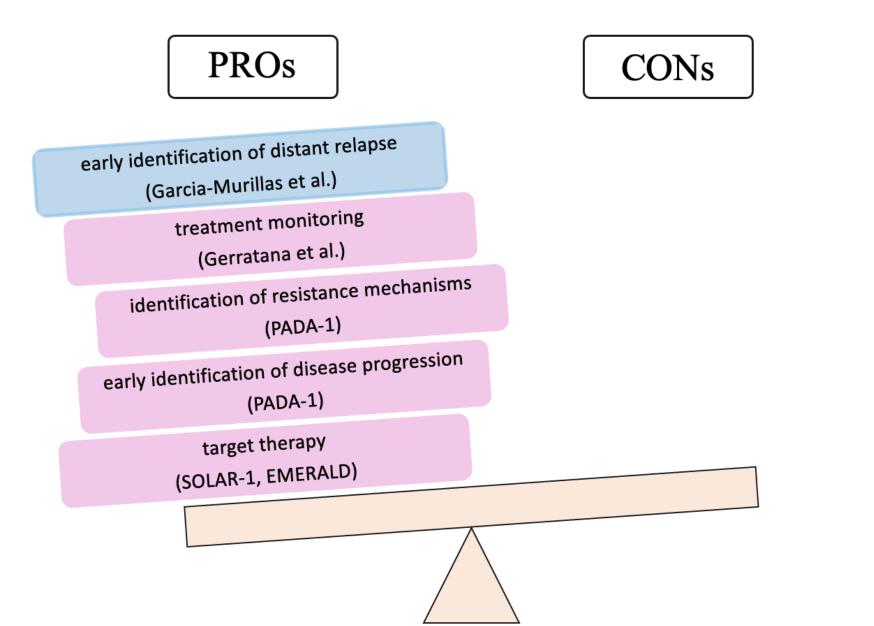
Clinical utility beyond MBC

ctDNA identification as a **predictor of distant relapse** with a **lead time of 10.7 months** in early BC



Months from study entry

Does liquid biopsy have a clinically utility? **YES!**



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