

Optimizando el tratamiento de las pacientes con mutación en *PIK3CA*, con la primera terapia dirigida a la mutación: Piqray (Alpelisib)

Webinar

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Pregunta 1

Además de los RH y del HER2, ¿que biomarcadores se pueden usar para la selección de terapias en pacientes con cáncer de mama metastásico HR+/HER2-?

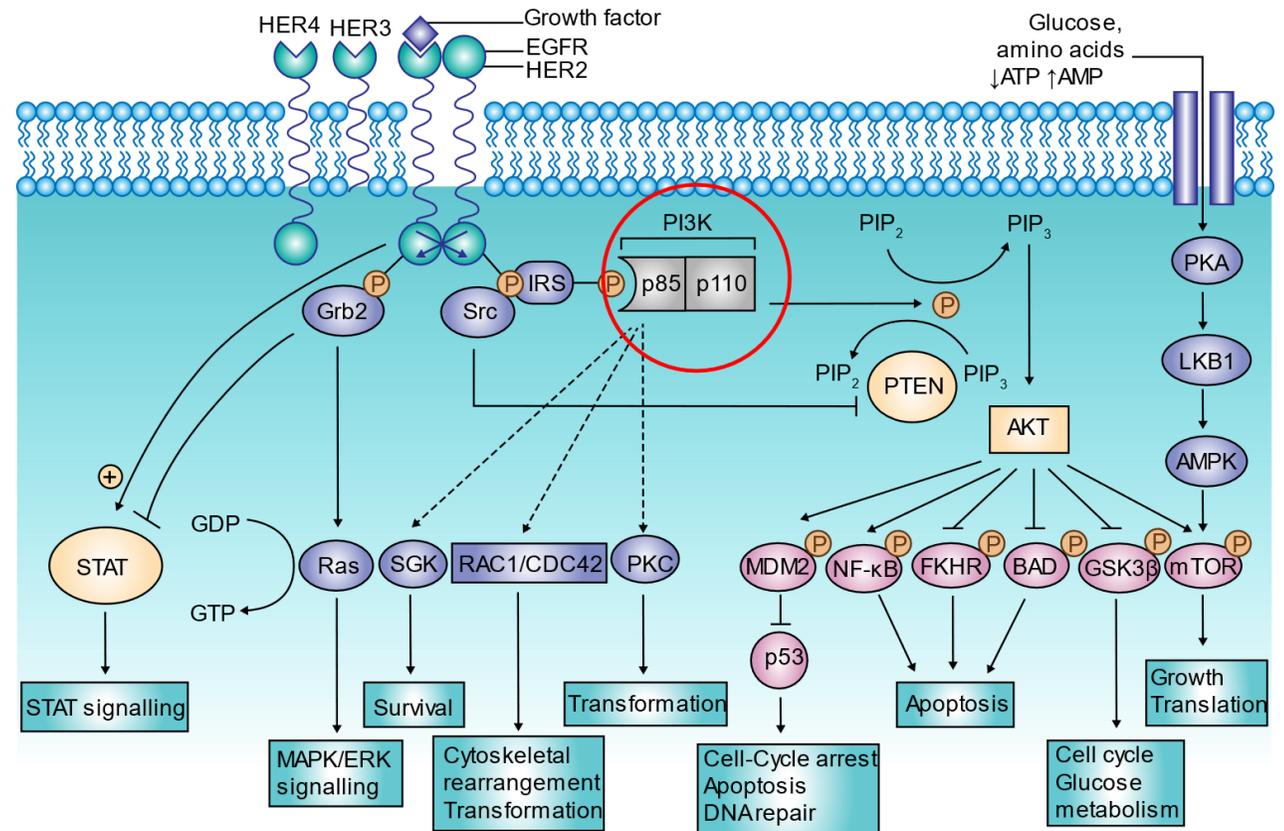
- Mutaciones germinales en *BRCA1/BRCA2* en pacientes con criterios para estudio genético
- Mutaciones somáticas en *PIK3CA*
- Mutaciones somáticas en *ESR1*
- **Todas las anteriores**

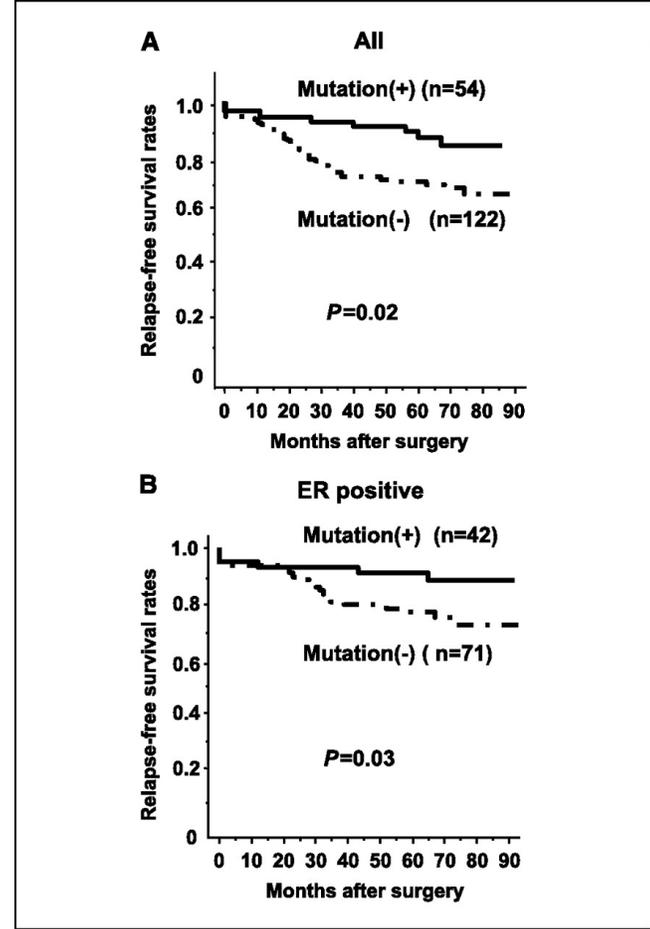
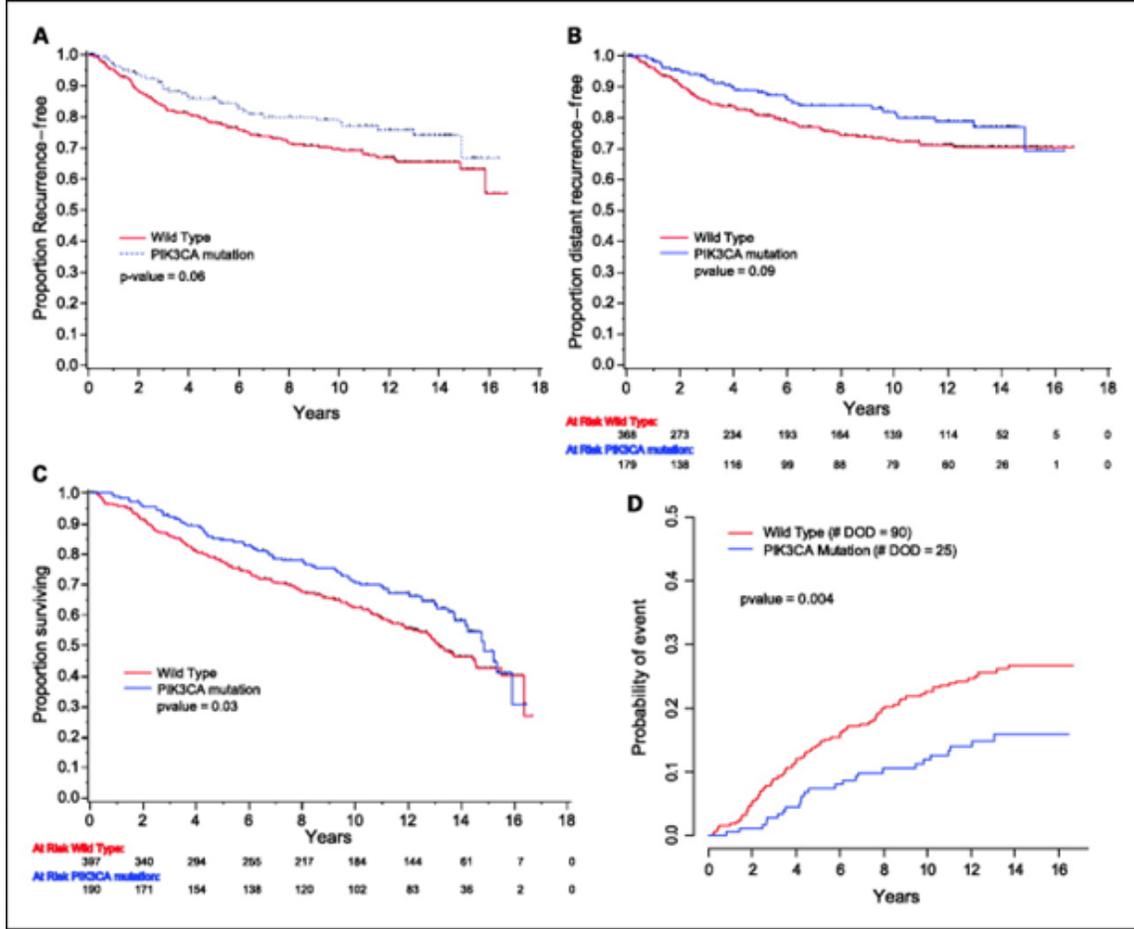
Pregunta 2

Tras progresión a una primera línea con CDK4/6i + IA en una paciente con cáncer de mama metastásico HR+/HER2-, mutación en *PIK3CA*, ECOG 1 y enfermedad visceral, ¿que estrategia terapéutica usarías preferentemente?

- Fulvestrant
- Quimioterapia
- **Alpelisib + Fulvestrant**
- Ninguna de las anteriores

- La vía de de la fosfoinositol 3-quinasa (**PI3K**) es una vía de señalización intracelular canónica, comúnmente desregulada en cáncer.
- Las PI3K clase I son las más comúnmente alteradas en cáncer y se componen de un heterodímero compuesto por una subunidad reguladora (**p85 α and p85 β**) y una subunidad catalítica (**p110 α , β , γ and δ**).
- Las fosfoinositol 3-quinasa son una familia de enzimas que fosforilan la molécula del grupo 3'-hidroxilo de las fosfatidilinositol bifosfato (**PIP2**) en la membrana celular, resultando en fosfatidilinositol trifosfato (**PIP3**).
- **PIP3** desencadena la activación a través de la vía, fosforilando los nodos **AKT**, **mTOR**, resultando en un estímulo al crecimiento y proliferación celular



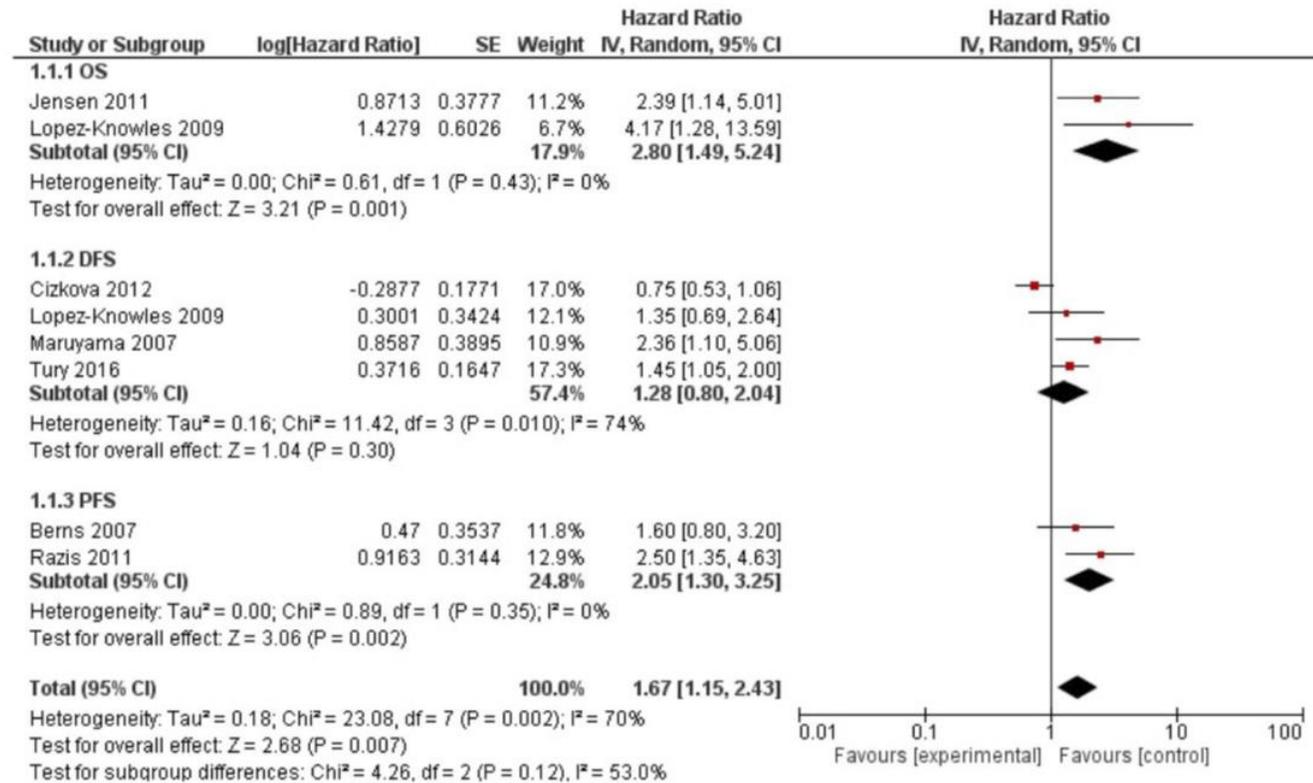


Background

- Meta-analysis investigating the role of *PIK3CA* mutation status as a prognostic factor
- A total of 7 studies and 1,929 cases of breast cancer were included

Results

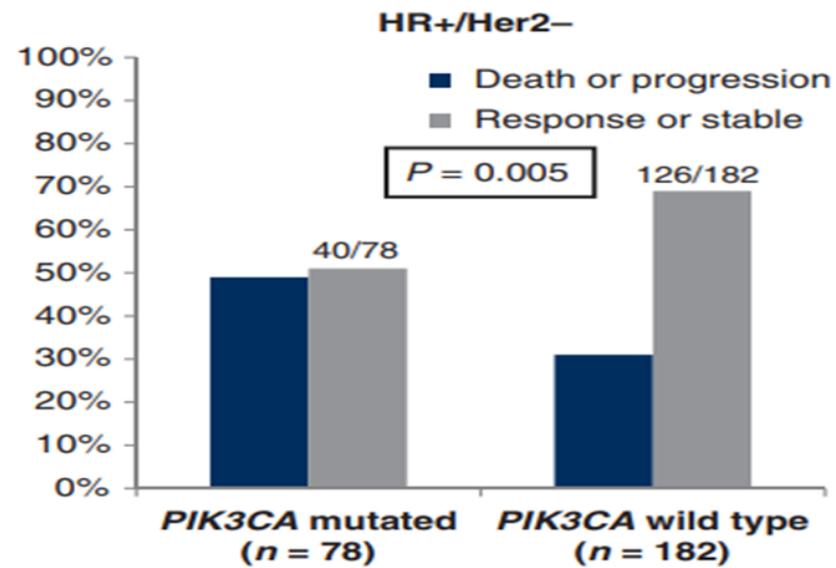
- The pooled analysis, including an analysis of OS, DFS, and PFS, revealed that the presence of a *PIK3CA* mutation is a negative prognostic factor



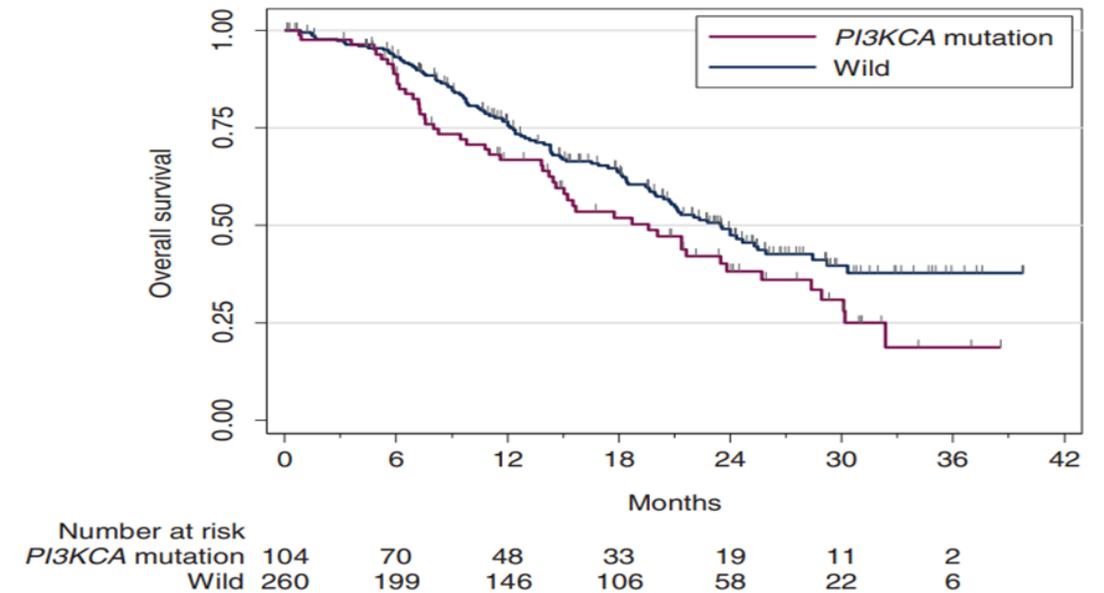
Summary

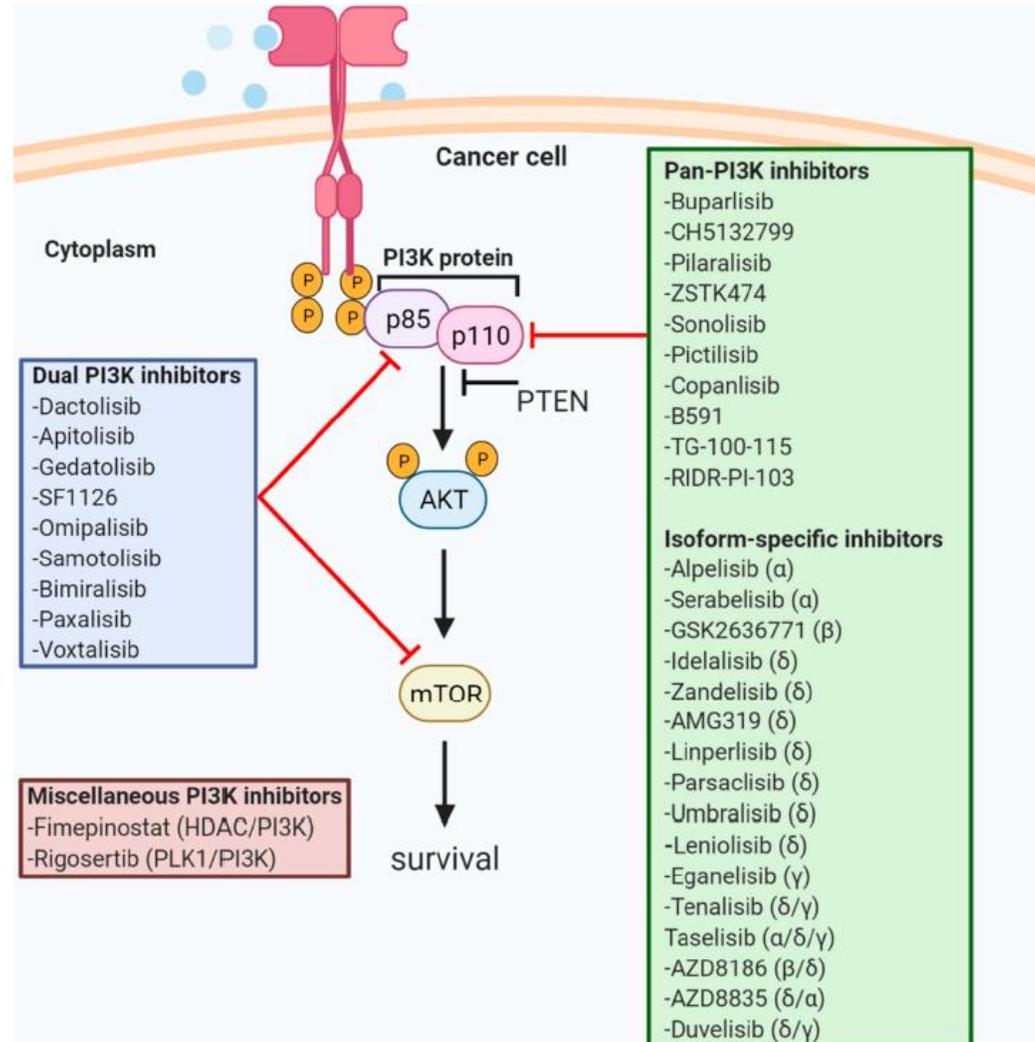
Pooled analysis demonstrated that a *PIK3CA* mutation is a negative prognostic factor for OS, DFS, and PFS

Response rate to chemotherapy

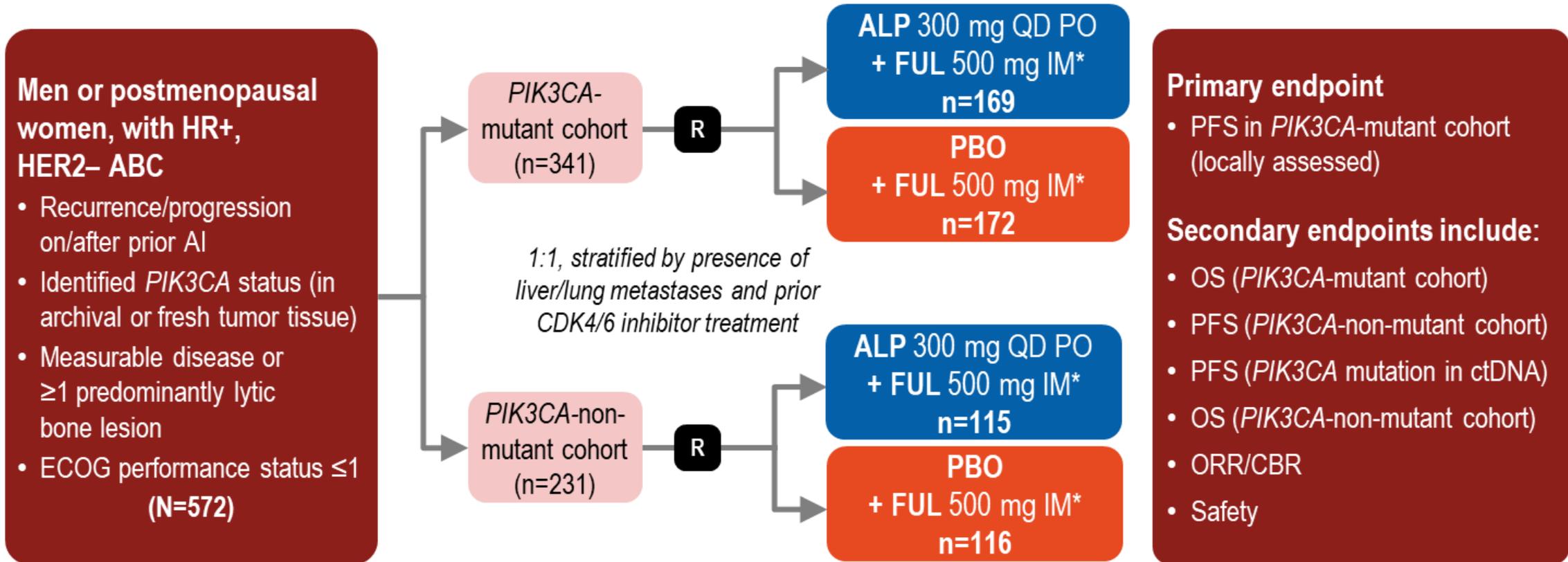


Overall survival

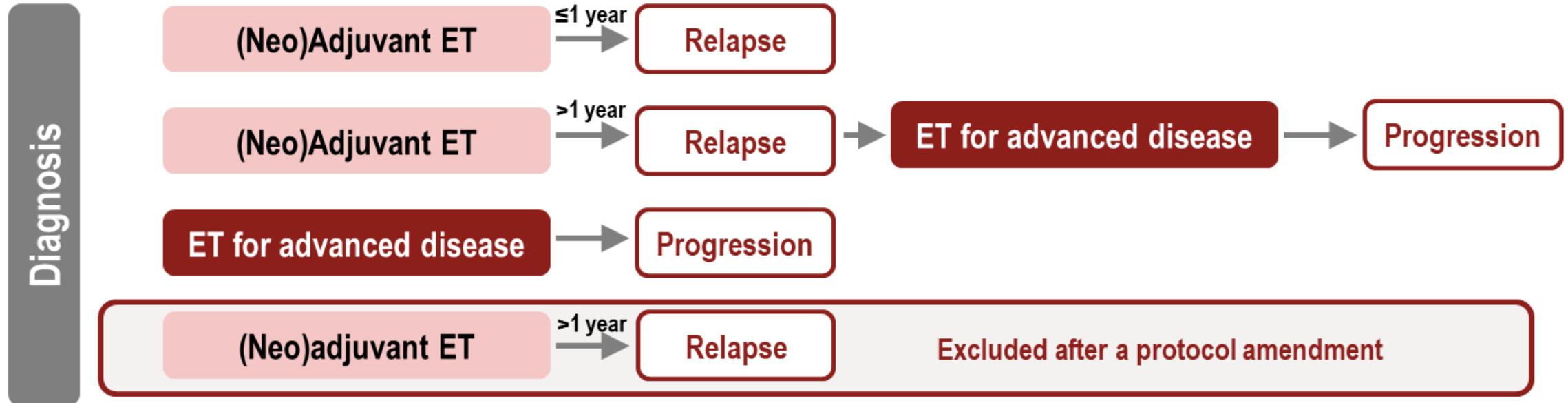




SOLAR-1: A Phase III randomized, controlled trial (NCT02437318)



Inclusion criteria: Prior exposure to AI



Se consideró tratamiento en “primera línea” en las pacientes que no habían recibido terapia endocrina para enfermedad avanzada

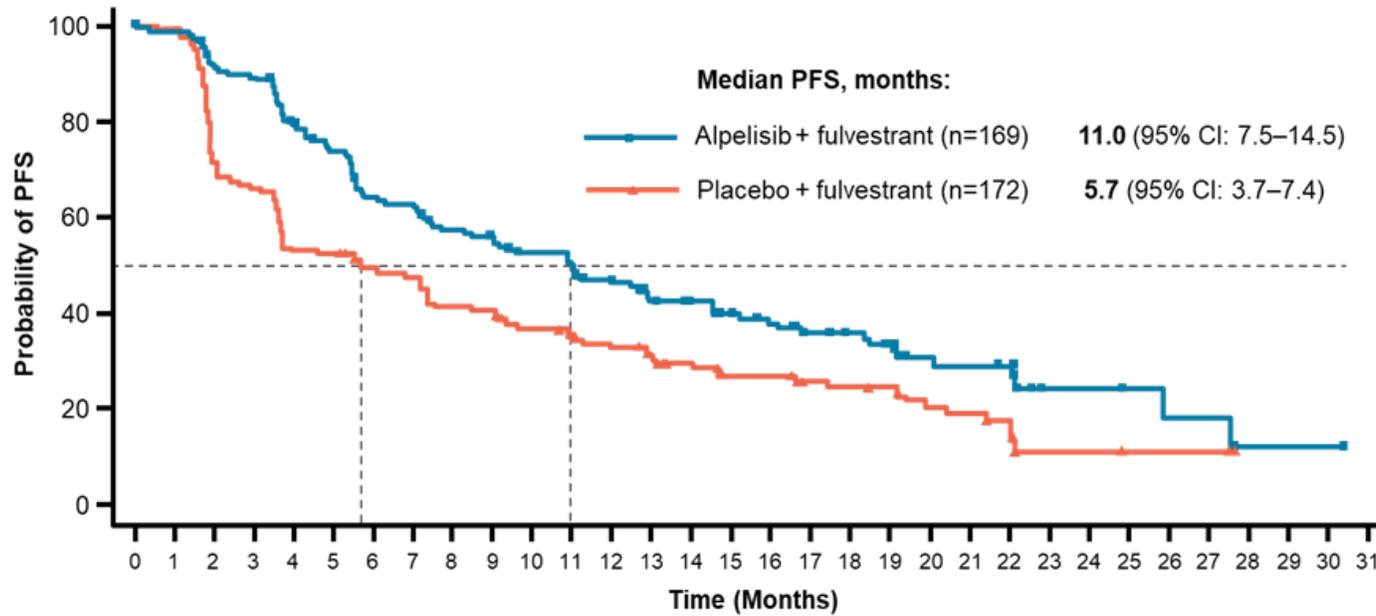
Baseline characteristics

Characteristic*	PIK3CA-mutant		PIK3CA-non-mutant	
	Alpelisib + fulvestrant (N=169) [†]	Placebo + fulvestrant (N=172) [‡]	Alpelisib + fulvestrant (N=115)	Placebo + fulvestrant (N=116)
Median age, years (range)	63 (25–87)	64 (38–92)	62 (39–82)	63 (32–88)
Race				
Caucasian	117 (69.2)	109 (63.4)	82 (71.3)	69 (59.5)
Asian	34 (20.1)	40 (23.3)	25 (21.7)	26 (22.4)
Other/unknown	18 (10.7)	23 (13.4)	8 (7.0)	21 (18.1)
Metastatic sites				
Visceral disease	93 (55.0)	100 (58.1)	66 (57.4)	74 (63.8)
Lung/liver metastases	84 (49.7)	86 (50.0)	56 (48.7)	56 (48.3)
Bone-only disease	42 (24.9)	35 (20.3)	26 (22.6)	23 (19.8)
Line of advanced anti-cancer treatment				
First line	88 (52.1)	89 (51.7)	71 (61.7)	62 (53.4)
Second line	79 (46.7)	82 (47.7)	42 (36.5)	53 (45.7)
Endocrine resistance status[§]				
Primary resistance	23 (13.6)	22 (12.8)	31 (27.0)	26 (22.4)
Secondary resistance	120 (71.0)	127 (73.8)	66 (57.4)	65 (56.0)
Sensitive	20 (11.8)	19 (11.0)	16 (13.9)	20 (17.2)
Prior chemotherapy				
Neo-adjuvant	25 (14.8)	29 (16.9)	20 (17.4)	23 (19.8)
Adjuvant	78 (46.2)	86 (50.0)	64 (55.7)	58 (50.0)
Prior CDK4/6 inhibitor treatment	9 (5.3)	11 (6.4)	7 (6.1)	8 (6.9)

Patient disposition

Disposition*	PIK3CA-mutant		PIK3CA-non-mutant	
	Alpelisib + fulvestrant (N=169)	Placebo + fulvestrant (N=172) [†]	Alpelisib + fulvestrant (N=115)	Placebo + fulvestrant (N=116)
On Treatment	42 (24.9)	32 (18.6)	13 (11.3)	14 (12.1)
Discontinued	127 (75.1)	139 (80.8)	102 (88.7)	102 (87.9)
Reasons for discontinuation (alpelisib/placebo and fulvestrant)				
Adverse Event	5 (3.0)	3 (1.7)	9 (7.8)	0
Death	3 (1.8)	4 (2.3)	1 (0.9)	0
Physician Decision	6 (3.6)	6 (3.5)	5 (4.3)	4 (3.4)
Progressive Disease	93 (55.0)	117 (68.0)	80 (69.6)	91 (78.4)
Protocol Deviation	4 (2.4)	3 (1.7)	1 (0.9)	3 (2.6)
Patient/Guardian Decision	16 (9.5)	6 (3.5)	6 (5.2)	4 (3.4)
Median follow-up (months)	20.2	19.9	7.3	7.4

Primary endpoint: Locally assessed PFS in the *PIK3CA*-mutant cohort



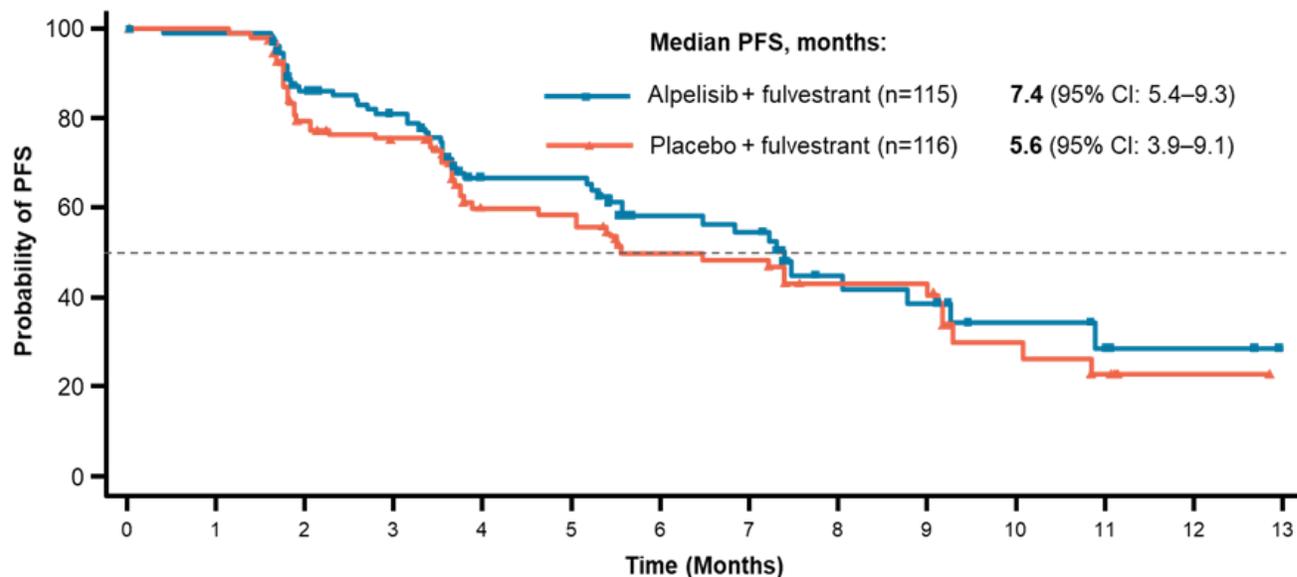
Number of subjects still at risk

Time (Months)	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Alpelisib + Fulv	169	158	145	141	123	113	97	95	85	82	75	71	62	54	50	43	39	32	30	27	17	16	14	5	5	4	3	3	1	1	1	0
Placebo + Fulv	172	167	120	111	89	88	80	77	67	66	58	54	48	41	37	29	29	21	20	19	14	13	9	3	3	2	2	2	0	0	0	0

Data cut-off: Jun 12, 2018	Alpelisib + fulvestrant (N=169)	Placebo + fulvestrant (N=172)
Number of PFS events, n (%)	103 (60.9)	129 (75.0)
Progression	99 (58.6)	120 (69.8)
Death	4 (2.4)	9 (5.2)
Censored	66 (39.1)	43 (25.0)
Median PFS (95% CI)	11.0 (7.5–14.5)	5.7 (3.7–7.4)
HR (95% CI)	0.65 (0.50–0.85)	
p-value	0.00065	

Proof of Concept: PFS in the *PIK3CA*-non-mutant cohort

*Proof of concept criteria were not met in the *PIK3CA*-non-mutant cohort*



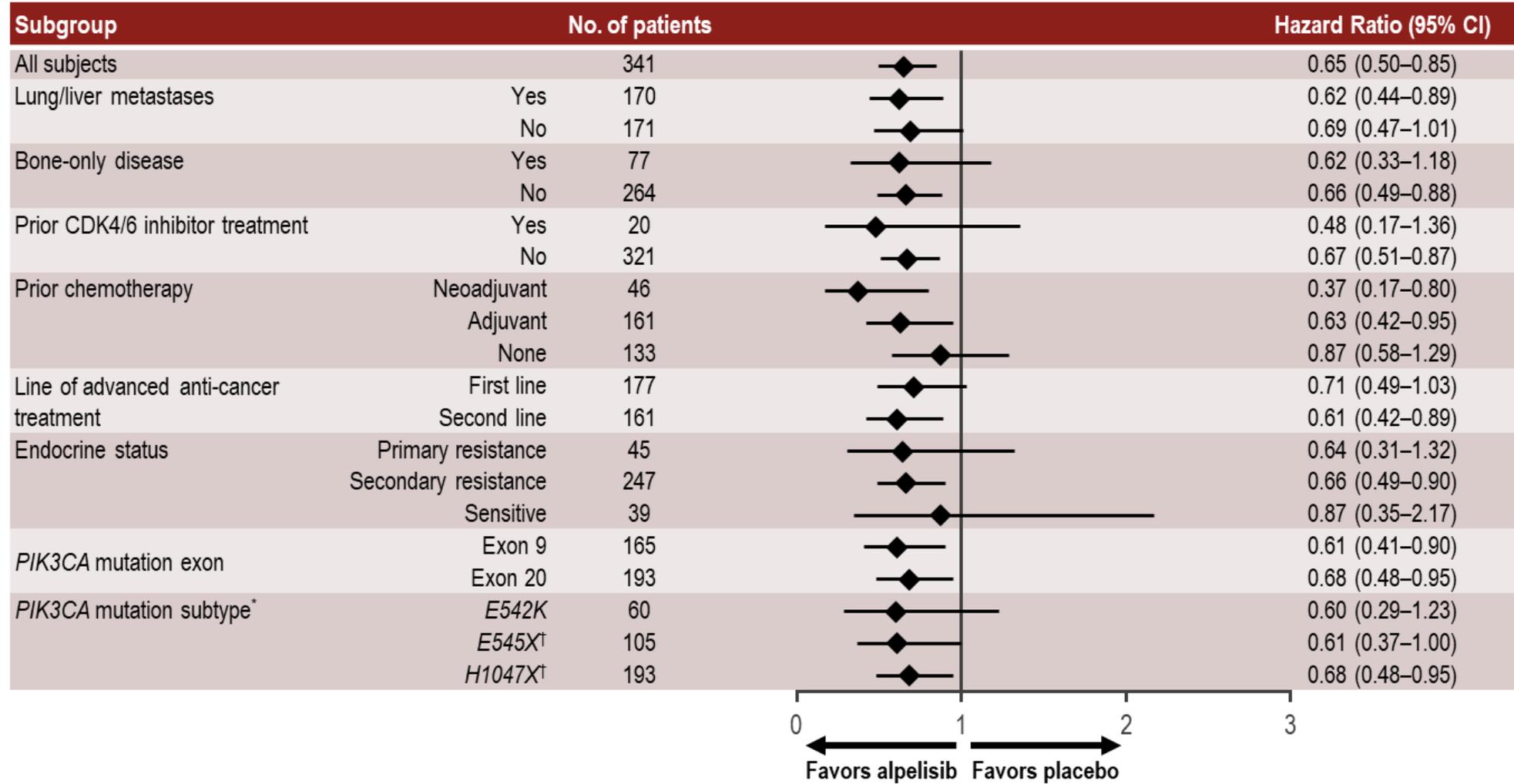
Number of subjects still at risk

	0	1	2	3	4	5	6	7	8	9	10	11	12	13
Alpelisib + Fulv	115	110	86	76	48	48	31	29	14	12	7	5	3	0
Placebo + Fulv	116	110	79	72	43	42	31	30	20	20	8	5	1	0

Data cut-off: Dec 23, 2016	Alpelisib + fulvestrant (N=115)	Placebo + fulvestrant (N=116)
Number of PFS events, n (%)	49 (42.6)	57 (49.1)
Progression	47 (40.9)	57 (49.1)
Death	2 (1.7)	0
Censored	66 (57.4)	59 (50.9)
Median PFS (95% CI)	7.4 (5.4–9.3)	5.6 (3.9–9.1)
HR (95% CI)	0.85 (0.58–1.25)	
Posterior probability HR<1, %	79.4	

- Proof of concept criteria: estimated hazard ratio ≤ 0.60 and posterior probability $\geq 90\%$ that the hazard ratio was < 1
- Patients with *PIK3CA*-non-mutant disease were followed up for safety alongside the *PIK3CA*-mutant cohort

PFS by subgroup (*PIK3CA*-mutant cohort)



*Mutations detected in tissue. Patients may have had more than one *PIK3CA* mutation; †Includes multiple subtypes of *E545* and *H1047*.

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SOLAR-1: Alpelisib Demonstrated Long-term Disease Control¹

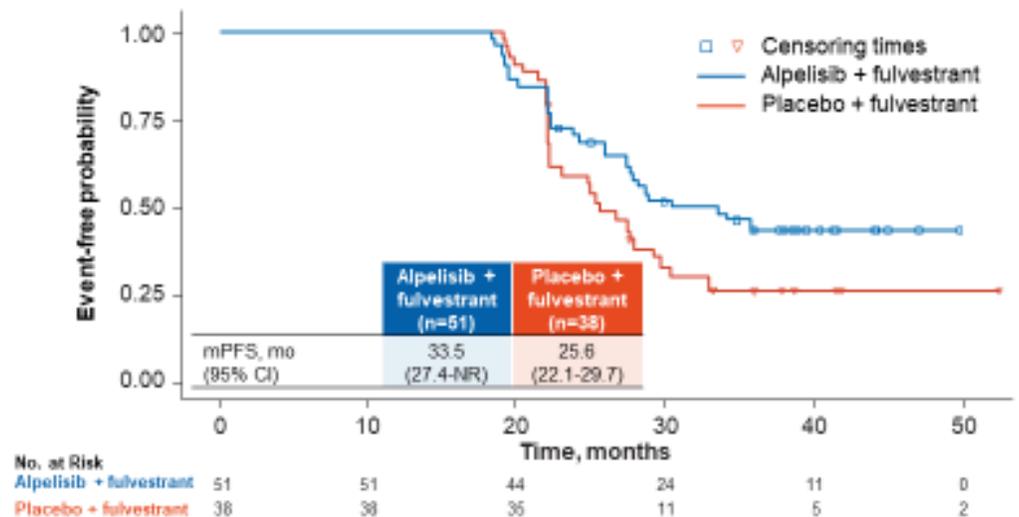
- 30.2% of patients receiving alpelisib + fulvestrant (n=51/169) had LTDC, defined as PFS ≥18 mo^{1,a}
 - The majority (72.5%) of LTDC patients had PFS ≥24 mo

Top 5 baseline predictors of LTDC based on the validated SVM model

- Longer time from initial diagnosis to first recurrence
- Absence of liver metastases
- Low number of metastatic sites
- Low ECOG PS
- Absence of liver and/or lung metastases

- Further investigations of predictive biomarkers are necessary to better characterize this subgroup of patients achieving LTDC

PFS in Patients With Long-term Disease Control (Weighted Analysis)^{1,b}

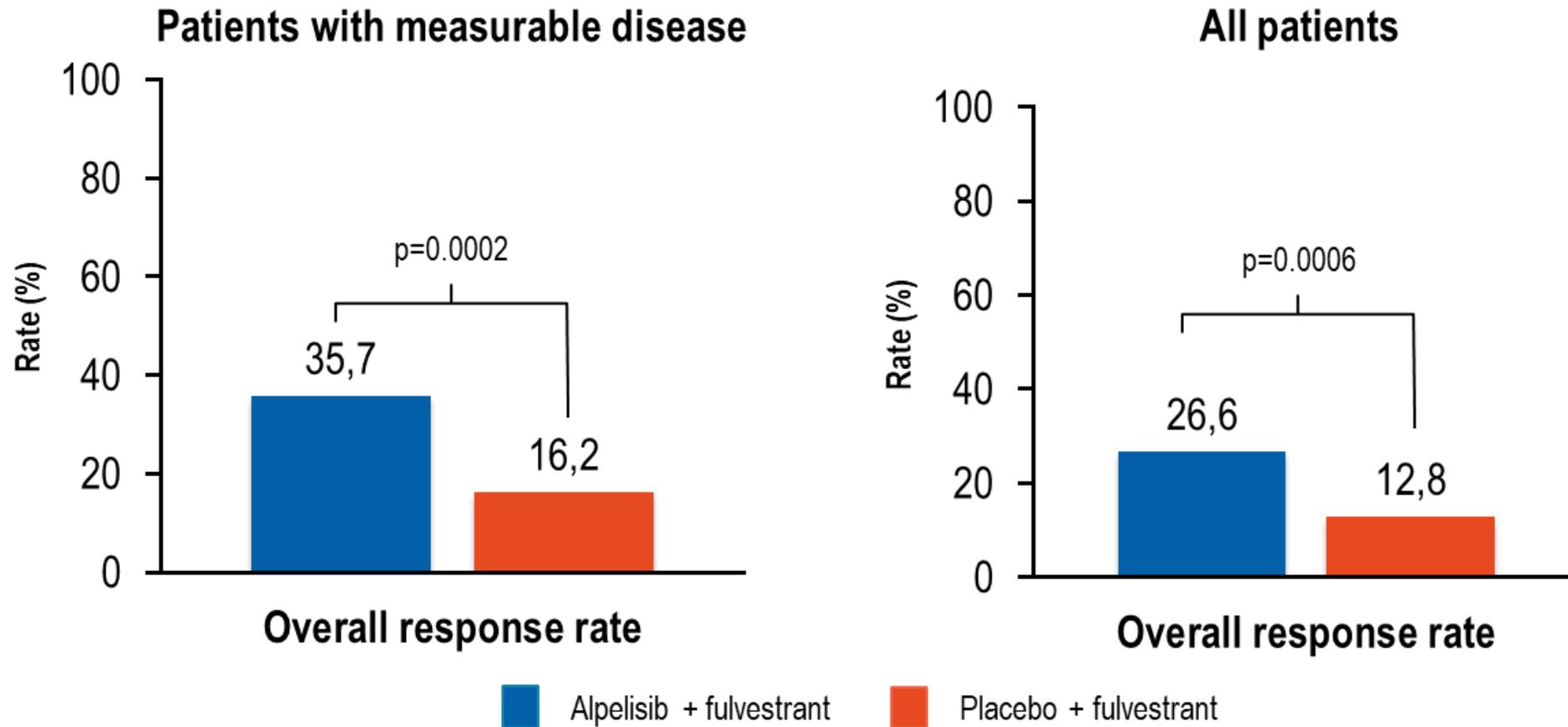


Poor prognosis, diabetes/prediabetes at baseline, and heavy pretreatment did not preclude long-term disease control

^amPFS from clinical trials in HR+, HER2-, endocrine-resistant ABC, regardless of presence of PIK3CA mutation, ranges from 4.6 to 9.3 months and 9.5 to 16.4 months with fulvestrant alone and with cyclin-dependent kinase 4/6 inhibitors (CDK4/6is), respectively²⁻⁵; thus, a PFS ≥18 months is clinically meaningful for this patient population with PIK3CA-mutated disease; ^bPost hoc exploratory analysis of patients who achieved LTDC (PFS ≥18 mo) in the alpelisib arm.

1. Juric D, et al. ASCO 2021. Abstract 1054 (poster); 2. André F, et al. *N Engl J Med*. 2019;380(20):1929-1940; 3. Cristofanilli M, et al. *Lancet Oncol*. 2016;17(4):425-439; 4. Slamon DJ, et al. ASCO 2018. Abstract 1000 (oral); 5. Sledge GW, et al. *J Clin Oncol*. 2017;35(25):2875-2884.

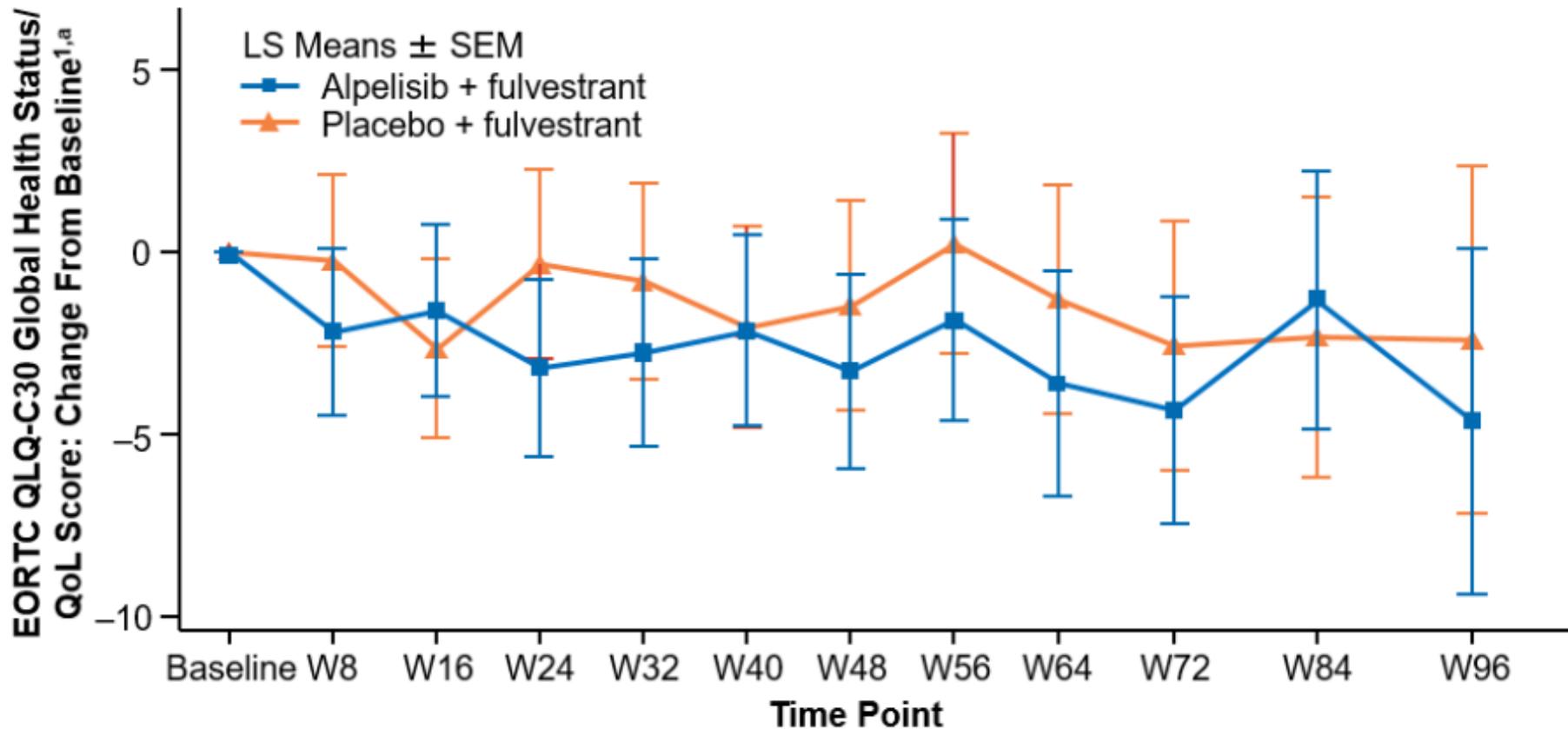
Overall response rate in the *PIK3CA*-mutant cohort



Adverse events in the total population

AEs ≥20% in either arm, %	Alpelisib + fulvestrant N=284			Placebo + fulvestrant N=287		
	All	Grade 3	Grade 4	All	Grade 3	Grade 4
Any adverse event	282 (99.3)	183 (64.4)	33 (11.6)	264 (92.0)	87 (30.3)	15 (5.2)
Hyperglycemia	181 (63.7)	93 (32.7)	11 (3.9)	28 (9.8)	1 (0.3)	1 (0.3)
Diarrhea	164 (57.7)	19 (6.7)	0	45 (15.7)	1 (0.3)	0
Nausea	127 (44.7)	7 (2.5)	0	64 (22.3)	1 (0.3)	0
Decreased appetite	101 (35.6)	2 (0.7)	0	30 (10.5)	1 (0.3)	0
Rash*	101 (35.6)	28 (9.9)	0	17 (5.9)	1 (0.3)	0
Vomiting	77 (27.1)	2 (0.7)	0	28 (9.8)	1 (0.3)	0
Decreased weight	76 (26.8)	11 (3.9)	0	6 (2.1)	0	0
Stomatitis	70 (24.6)	7 (2.5)	0	18 (6.3)	0	0
Fatigue	69 (24.3)	10 (3.5)	0	49 (17.1)	3 (1.0)	0
Asthenia	58 (20.4)	5 (1.8)	0	37 (12.9)	0	0

- Eighteen patients (6.3%) discontinued alpelisib due to hyperglycemia and 9 patients (3.2%) due to rash; no patients discontinued placebo due to either hyperglycemia or rash
- Maculopapular rash was observed in 14.1% of patients (all-grade) and 8.8% (grade 3) in the alpelisib arm, vs 1.7% and 0.3%, respectively, in the placebo arm
- The safety profile of the alpelisib group and the placebo group was similar in *PIK3CA*-mutant and *PIK3CA*-non-mutant cohorts

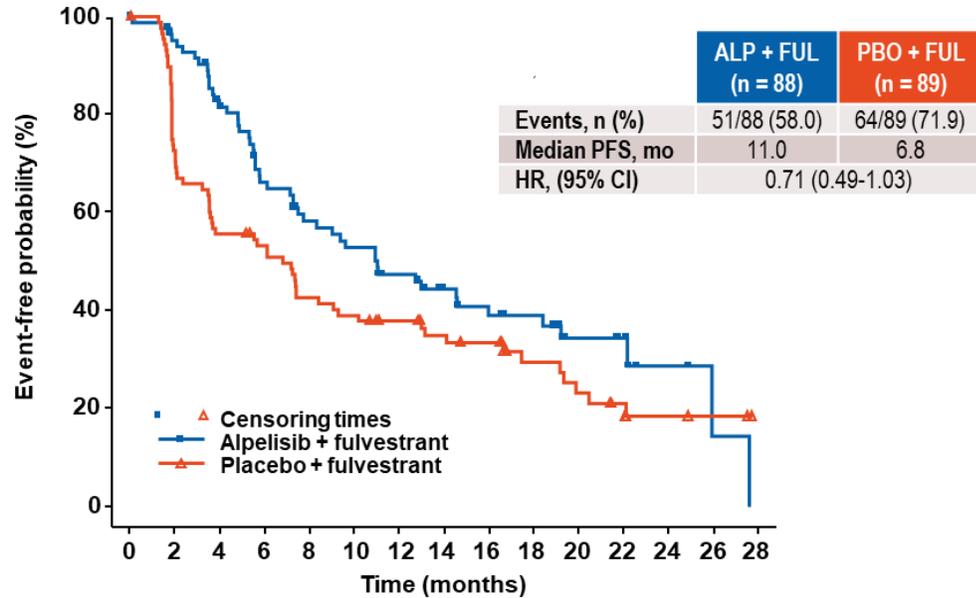


Alpelisib + fulvestrant	155	137	120	100	81	70	65	54	35	34	22	10
Placebo + fulvestrant	159	133	103	80	70	60	49	41	36	26	18	10

PFS by Line of Therapy in the *PIK3CA*-mutant Cohort^a

First-line (n = 177)

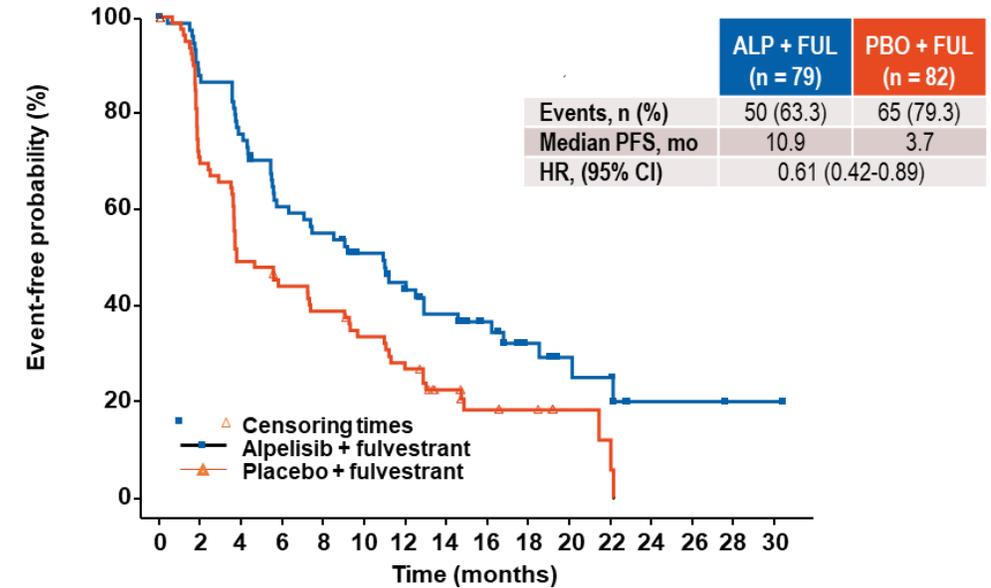
Defined as patients whose disease progressed \leq 1 year after (neo)adjuvant ET (endocrine resistant) or whose disease progressed $>$ 1 year after (neo)adjuvant ET (endocrine sensitive) (later excluded after protocol amendment)



	Endocrine sensitive patients		Endocrine resistant patients	
	ALP + FUL (n = 20)	PBO + FUL (n = 19)	ALP + FUL (n = 68)	PBO + FUL (n = 70)
Events, n (%)	11 (55.0)	9 (47.4)	40 (58.8)	55 (78.6)
Median PFS, mo	22.1	19.1	9.0	4.7
HR, (95% CI)	0.87 (0.35-2.17)		0.69 (0.46-1.05)	

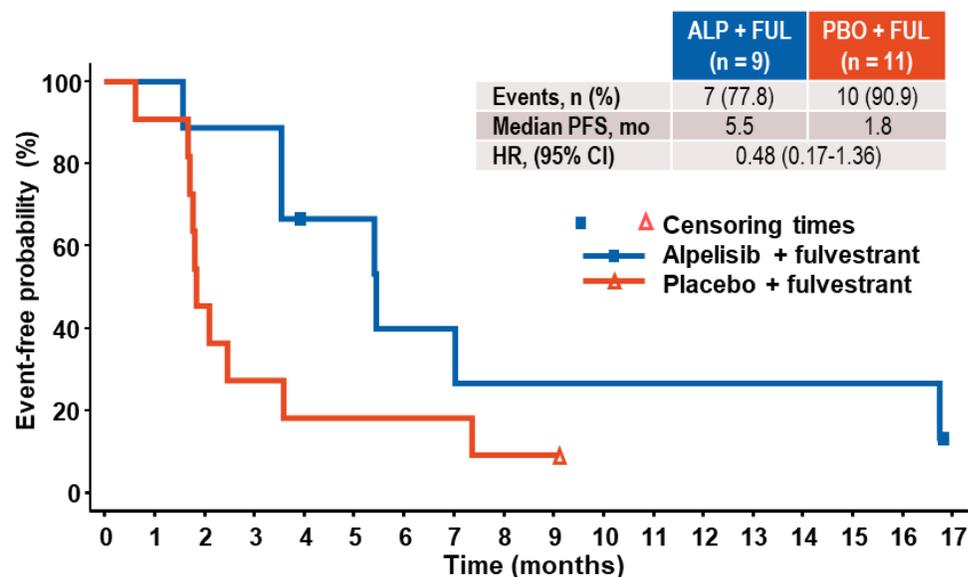
Second-line (n = 161)

Defined as patients whose disease progressed $>$ 1 year after (neo)adjuvant ET and while on or after 1 line of ET for ABC or patients with newly diagnosed ABC whose disease progressed while on or after 1 line of ET

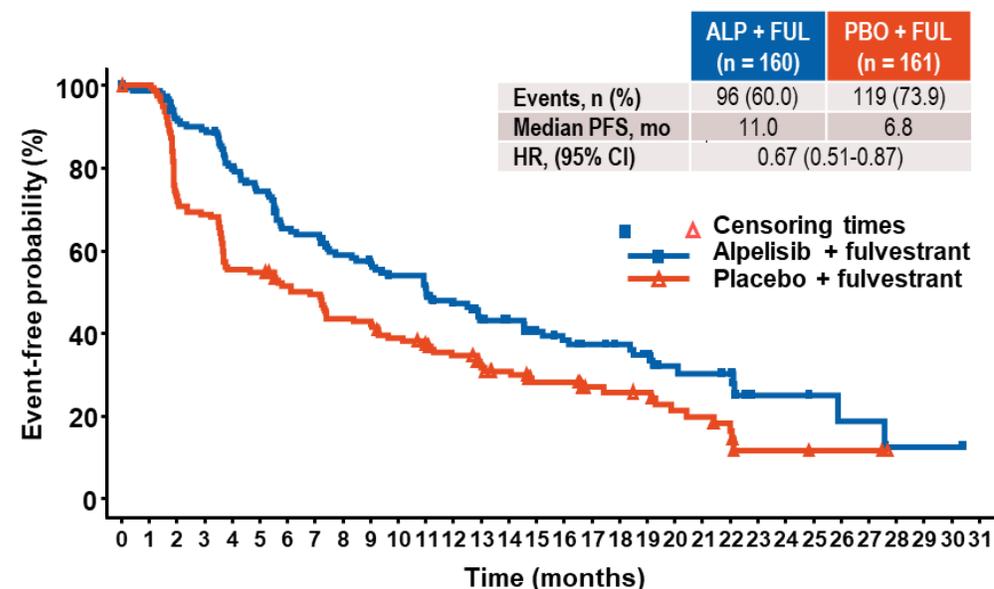


PFS by Prior CDK4/6 Inhibitor Treatment in the *PIK3CA*-mutant Cohort^a

With Prior CDK4/6 inhibitor therapy

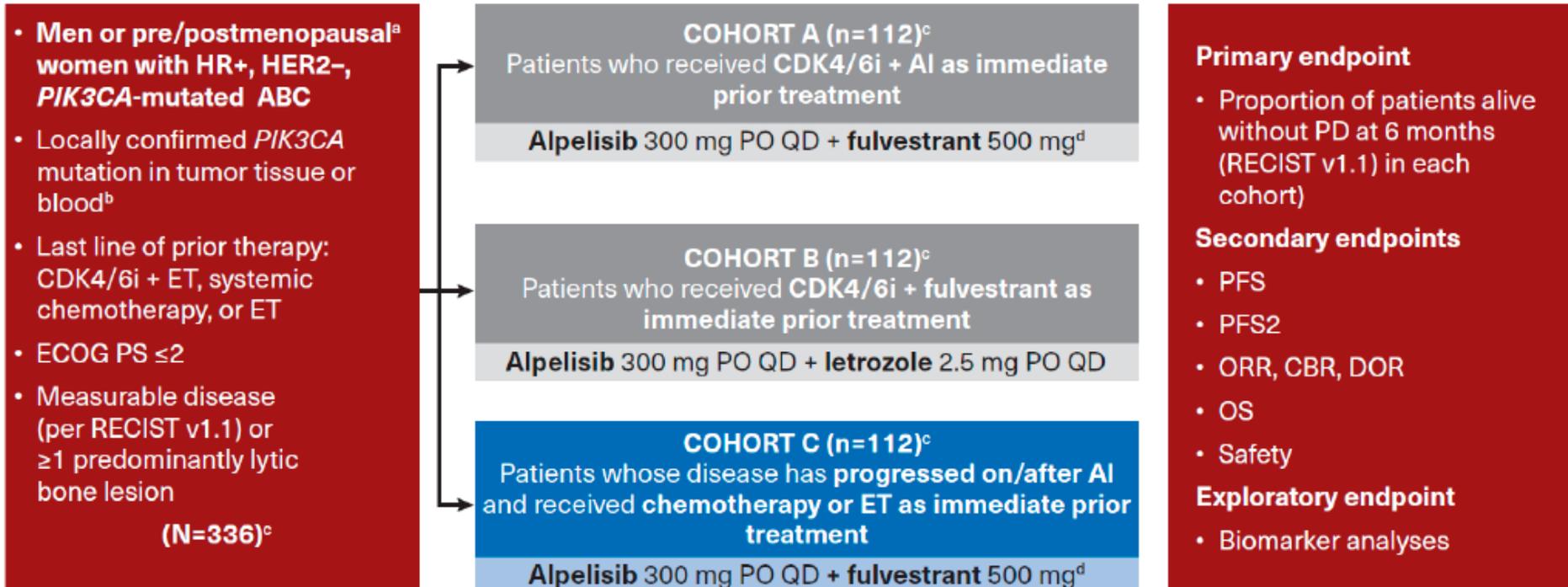


Without Prior CDK4/6 inhibitor therapy



- Previous treatment with any CDK4/6 inhibitor was a stratification factor, however the number of patients enrolled who had received prior CDK4/6 inhibitor therapy was small
- Treatment benefit with alpelisib was observed regardless of prior use with a CDK4/6 inhibitor

BYLieve (NCT03056755) Study Design



Treatment crossover between cohorts is not permitted

EPIK B5 Study Design

Patient population (N=234)

- Adult postmenopausal women and men with HR+, HER2- ABC with *PIK3CA* mutation who progressed or relapsed on or after CDK4/6i and AI
- ≥ 1 measurable lesion per RECIST v1.1
- ≤ 1 line of prior CT treatment (except neoadjuvant or adjuvant CT)
- Adequate tumor tissue available for assessment of *PIK3CA* mutation status by central laboratory

R
1:1

Arm 1 (n=117)

Alpelisib (300 mg PO QD) +
fulvestrant (500 mg IM on D1 and D15 of cycle 1,
and then D1 of each subsequent 28-day cycle)

Arm 2 (n=117)

Alpelisib matching placebo +
fulvestrant (500 mg IM on D1 and D15 of cycle 1,
and then D1 of each subsequent 28-day cycle)

Cross-over from the placebo arm to the alpelisib arm is permitted at time of PD as assessed per RECIST v1.1 by BIRC

Stratification Factors

- Presence of lung and/or liver metastases (yes versus no)
- Setting at last prior CDK4/6i therapy (adjuvant versus metastatic)

Endpoints

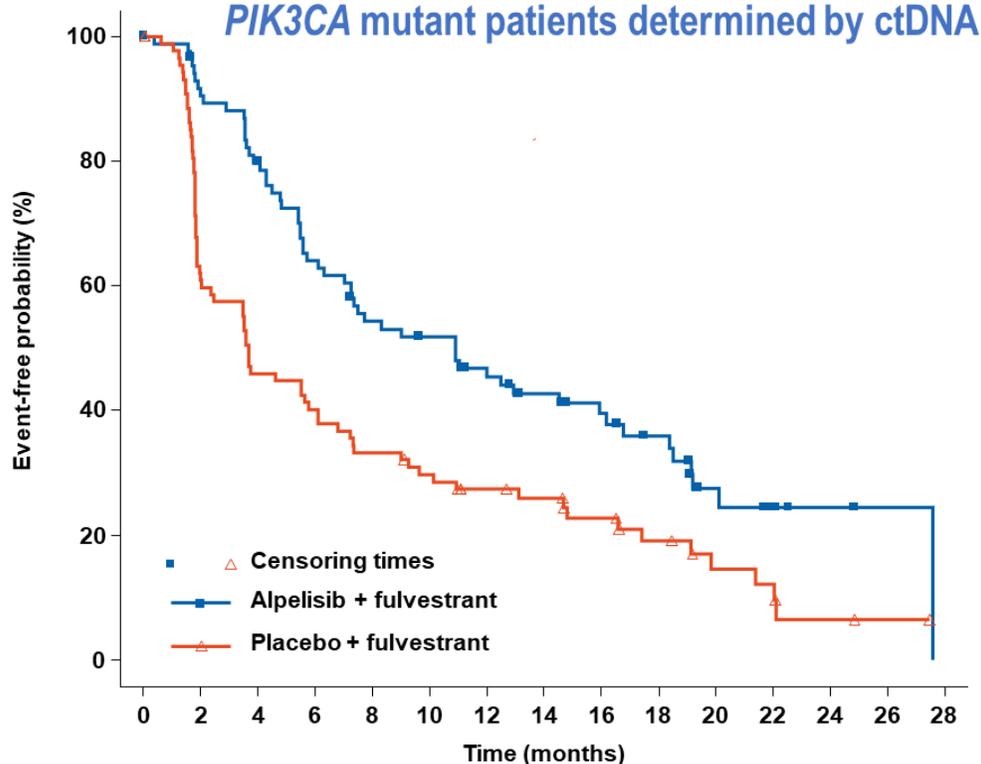
Primary:

- PFS based on BIRC assessment

Secondary:

- OS
- ORR, CBR, DOR, TTR based on BIRC assessment
- PFS based on BIRC assessment, by *PIK3CA* mut status in ctDNA
- Safety and tolerability
- TTD of ECOG-PS
- Change from baseline and TTD in QoL and symptom scale scores in EORTC QLQ-C30
- PFS2

Locally Assessed PFS by Tissue or Plasma ctDNA-determined Mutation Status



Number of patients still at risk

Alpelisib + ful	92	87	80	77	68	61	54	52	44	43	41	38	34	31	29	24	23	19	18	16	9	8	6	2	2	1	1	1	0
Placebo + ful	94	90	58	53	42	41	37	34	30	30	26	22	20	19	18	14	14	11	10	9	6	6	5	2	2	1	1	1	0

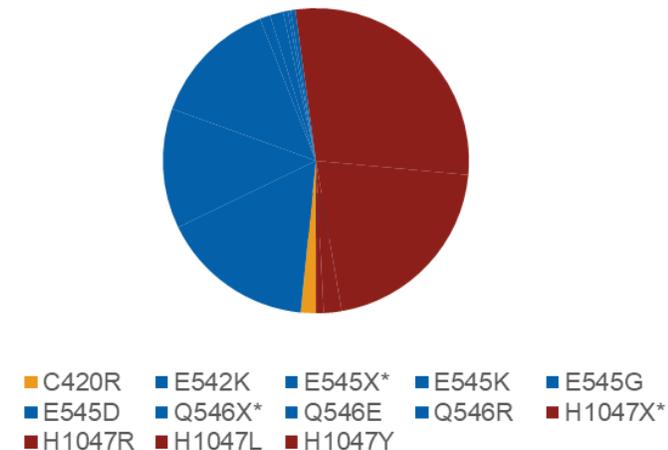
	ALP + FUL		PBO + FUL		HR
	Event n/N (%)	Median PFS	Event n/N (%)	Median PFS	
Patients with <i>PIK3CA</i> mutation: tissue	103/169 (60.9)	11.0	129/172 (75.0)	5.7	0.65
Patients with <i>PIK3CA</i> mutation: plasma	57/92 (62.0)	10.9	75/94 (79.8)	3.7	0.55
Patients <u>without</u> <i>PIK3CA</i> mutation: tissue	49/115 (42.6)	7.4	57/116 (49.1)	5.6	0.85
Patients <u>without</u> <i>PIK3CA</i> mutation: plasma	92/181 (50.8)	8.8	103/182 (56.6)	7.3	0.80

Most frequent mutations found in the helical domain (exon 9) and kinase domain (exon 20) by PCR in SOLAR-1

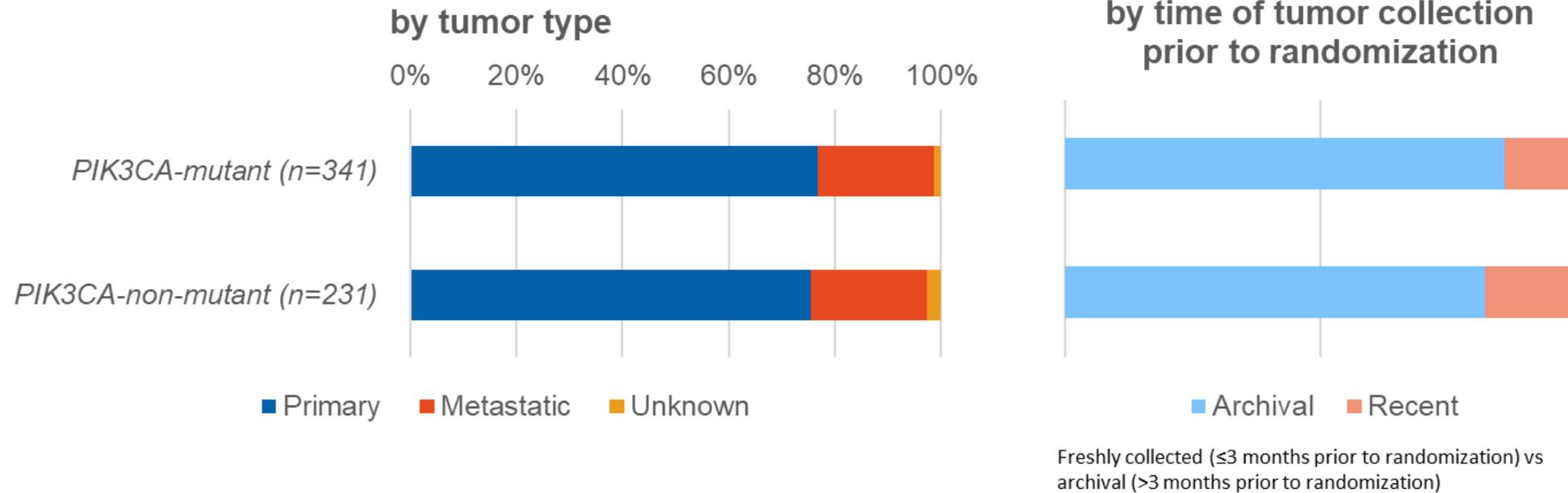
Exon	Mutation	Base Change	SOLAR-1 tissue mutant cohort [‡] N=370 (%)
7	C420R	1258 T>C	6 (1.6)
9	E542K	1624 G>A	60 (16.2)
	E545X* (A/D/G/K)		47 (12.7)
	E545K	1634 A>C	50 (13.5)
	E545G	1634 G>A	4 (1.1)
	E545D	1634 A>G	5 (1.4)
	Q546X* (E/K/R)		2 (0.5)
	Q546E	1637 A>G	1 (0.3)
	Q546R	1636 C>G	2 (0.5)
	20	H1047X* (L/R/Y)	
H1047R		3140 A>T	77 (20.8)
H1047L		3140 A>G	7 (1.9)
H1047Y		3139 C>T	3 (0.8)

- Of the 341 patients whose tumors were *PIK3CA*-mutant per PCR at screening, 28 (8%) had multiple mutations.
 - 370 mutations detected in the 341 patients

Variant frequency in *PIK3CA* mutations in SOLAR-1 tissue mutant cohort (n=370)*

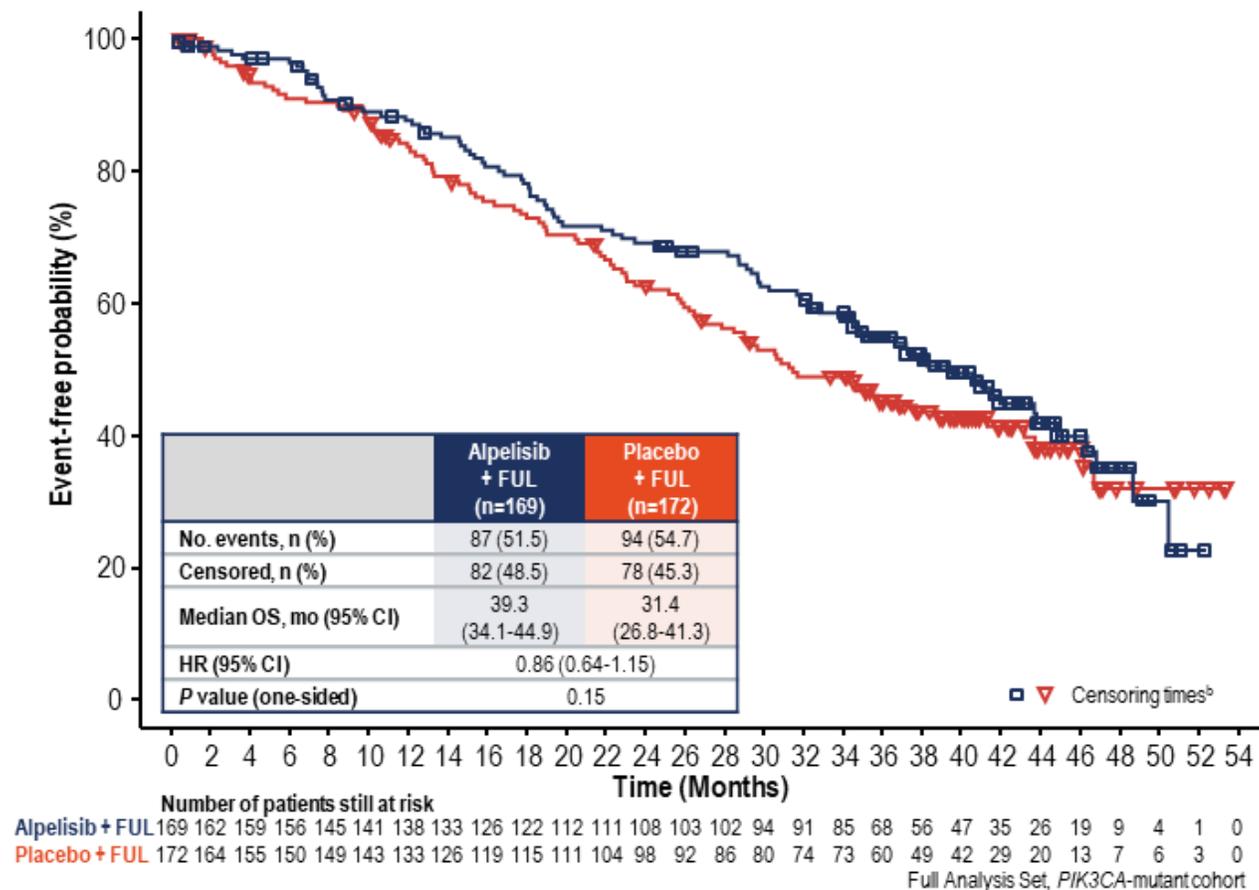


Majority of tissue samples used for *PIK3CA* screening at enrollment in SOLAR-1 were from primary tumors (vs. metastatic sites)

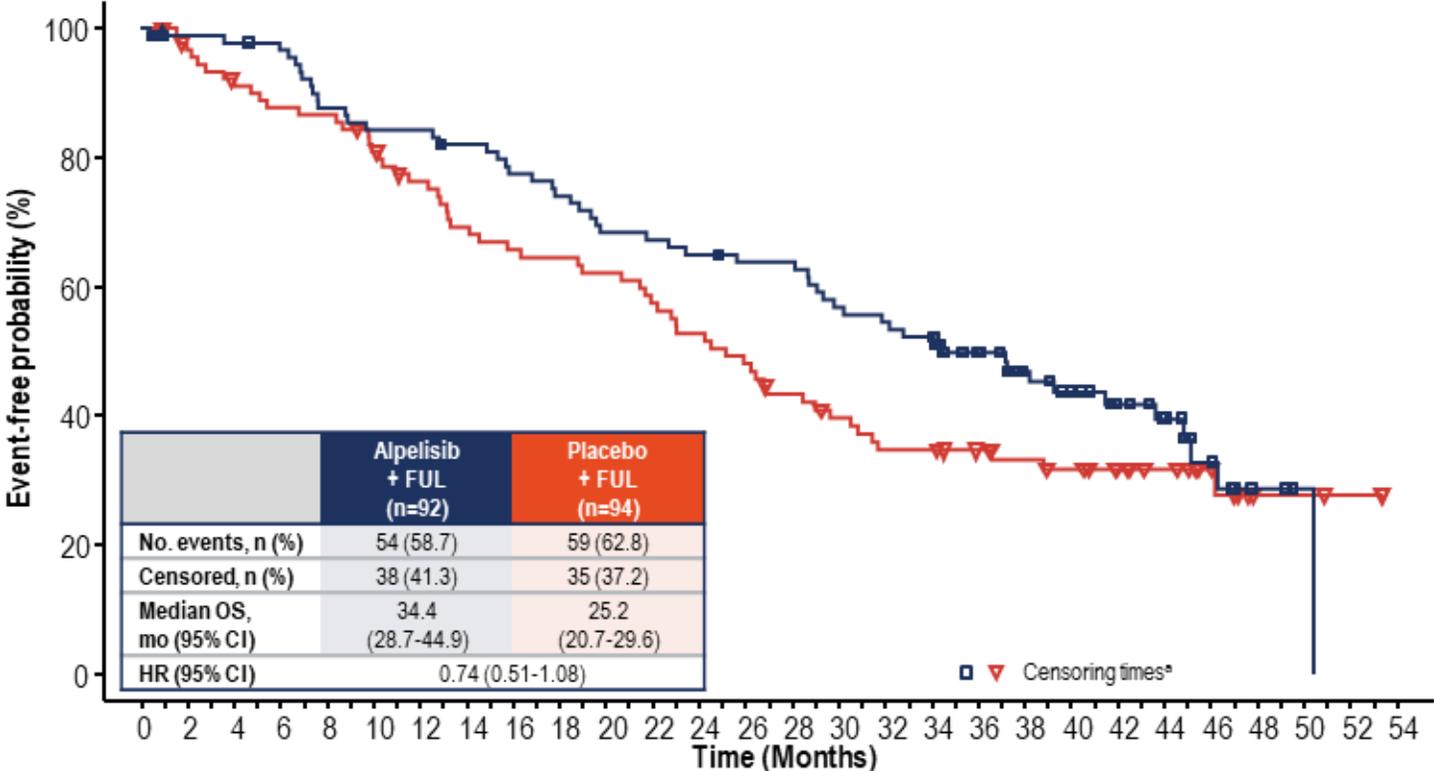


SOLAR-1: OS in Patients in *PIK3CA*-mutant Cohort^a

- mOS was prolonged by 7.9 mo for patients in the alpelisib + fulvestrant arm
- Final OS analysis in the *PIK3CA*-mutant cohort did not cross the prespecified O'Brien-Fleming efficacy boundary (1-sided $P \leq 0.0161$)



SOLAR-1: OS in Patients With *PIK3CA* Mutation in Plasma ctDNA



	Number of patients still at risk																											
	0	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54
Alpelisib + FUL	92	89	88	86	78	75	75	72	68	65	60	59	57	55	55	49	47	45	37	30	25	20	15	9	3	1	0	0
Placebo + FUL	94	87	82	78	77	71	65	59	56	55	53	49	45	41	36	32	28	28	25	22	20	16	13	8	3	3	2	0

SOLAR-1: First New Antineoplastic Medication After Discontinuation of Study Treatment

	Alpelisib + FUL (n=169)	Placebo + FUL (n=172)
Patients who discontinued study treatment, n	148	164
Any medication type, n (%) ^a	116 (78.4)	134 (81.7)
Chemotherapy	38 (25.7)	49 (29.9)
Chemotherapy + other ^b	20 (13.5)	26 (15.9)
Hormonal therapy alone	20 (13.5)	21 (12.8)
Hormonal therapy + targeted therapy/other ^c	37 (25.0)	35 (21.3)
Targeted therapy alone	1 (0.7)	2 (1.2)
Other	0	1 (0.6)

Full Analysis Set, *PIK3CA*-mutant cohort

- A CDK4/6 inhibitor was first new antineoplastic medication after discontinuation of study treatment in 17 (11.5%) patients in the alpelisib + fulvestrant arm and 22 (13.4%) patients in the placebo + fulvestrant arm

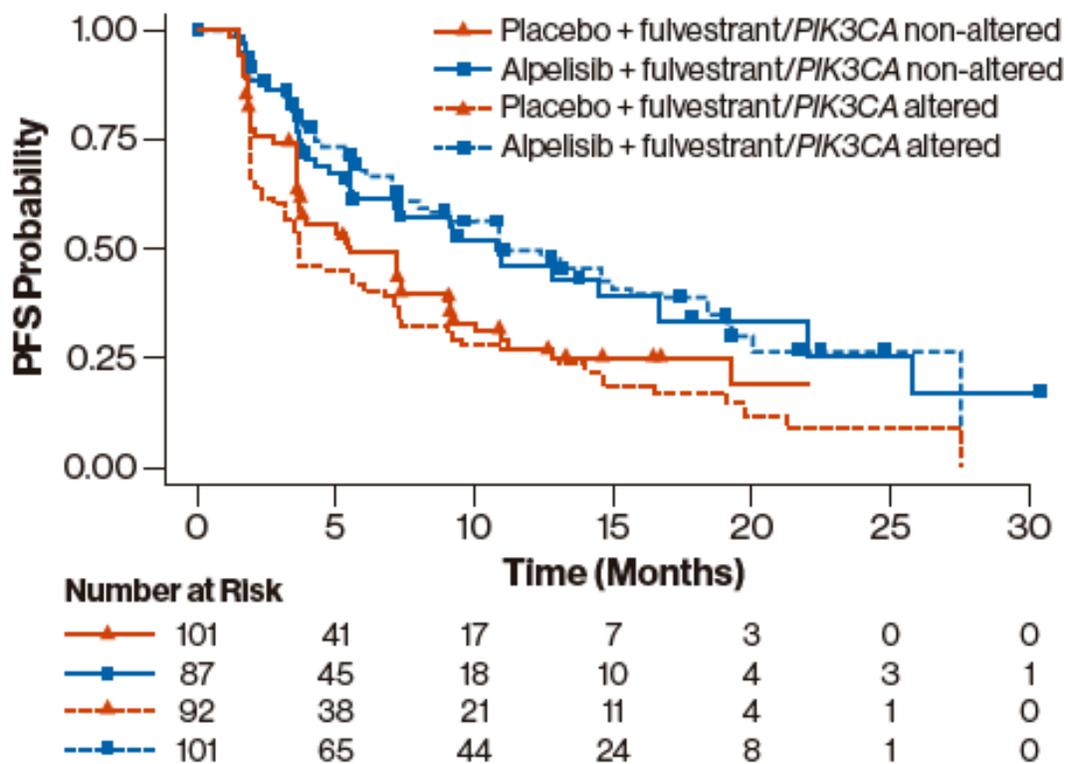
**Patients With a *PIK3CA* Alteration per NGS
(n=193)**

Number of alterations, n (%)	
Single alteration	147 (76)
Multiple alterations	46 (24)
Detectable by PCR, n (%)	
Yes	168 (87)
No	25 (13)
Exon 7 alteration, n (%) ^a	11 (6)
Exon 9 alteration, n (%)	70 (36)
Exon 20 alteration, n (%)	102 (53)

^aNo further analysis was performed on patients with alterations in exon 7 due to the low number.

ctDNA, circulating tumor DNA; NGS, next-generation sequencing; PCR, polymerase chain reaction; *PIK3CA*, phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit alpha.

Figure 2. Kaplan–Meier mPFS in Patients by *PIK3CA* Alteration Status^a in Plasma ctDNA as Detected by NGS



Group ^a	Events	N	mPFS (95% CI)	HR (95% CI)
Placebo + fulvestrant/ <i>PIK3CA</i> non-altered	60	101	5.5 (3.8-9.0)	0.60 (0.40-0.91)
Alpelisib + fulvestrant/ <i>PIK3CA</i> non-altered	40	87	10.9 (5.6-16.8)	
Placebo + fulvestrant/ <i>PIK3CA</i> altered	73	92	3.7 (2.9-6.8)	0.47 (0.33-0.67)
Alpelisib + fulvestrant/ <i>PIK3CA</i> altered	58	101	11.0 (7.7-16.2)	

Planned Exploratory Biomarker Analysis With SOLAR-1 Baseline Tumor Samples

Primary
Analysis¹

- Baseline tissue samples from 572 SOLAR-1 randomized patients

Real-time PCR with
QIAGEN *therascreen*[®]
PIK3CA RGQ PCR kit

PIK3CA Wild-type by PCR
N=231

PIK3CA Altered^a by PCR
N=341

Intention-to-Treat (ITT)
PIK3CA-Altered Cohort

Retrospective Analysis

- Baseline FFPE tissue samples from SOLAR-1 patients with samples available
- 70% (n/N=398/572) of SOLAR-1 samples included
- 80% (n=319) primary tumor samples and 20% (n=79) metastatic samples

NGS with
FoundationOne CDx
324-gene panel

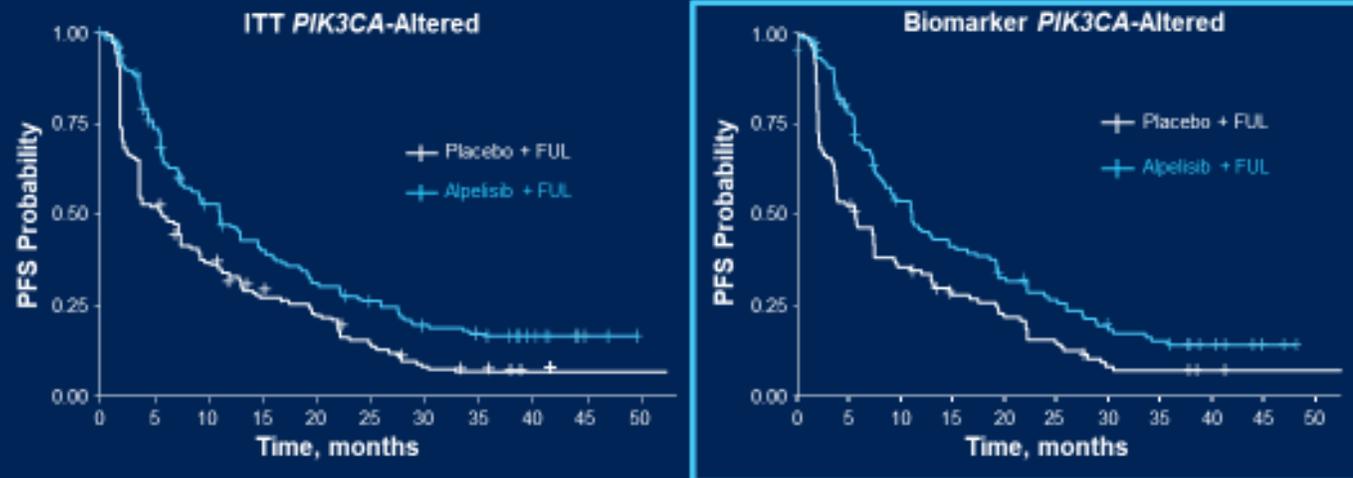
PIK3CA Wild-type by NGS
N=161

PIK3CA Altered^a by NGS
N=237

Biomarker
PIK3CA-Altered Cohort

- Clinical benefit was assessed using progression-free survival (PFS) and hazard ratio (HR)
- HR (95% CI) was estimated using a multivariate Cox PH model by adjusting multiple clinical covariates including age, ECOG PS, bone lesion, lung/liver metastases, and prior CDK4/6 inhibitor treatment
- No multiple testing adjustments were made in this subgroup analysis

Efficacy of Alpelisib + FUL in Patients With Altered *PIK3CA* Is Consistent in SOLAR-1 ITT and Biomarker Cohorts



- Biomarker *PIK3CA*-altered cohort includes 70% of the ITT *PIK3CA*-cohort
- *PIK3CA* alterations were detected by PCR in the ITT cohort and NGS in the Biomarker cohort

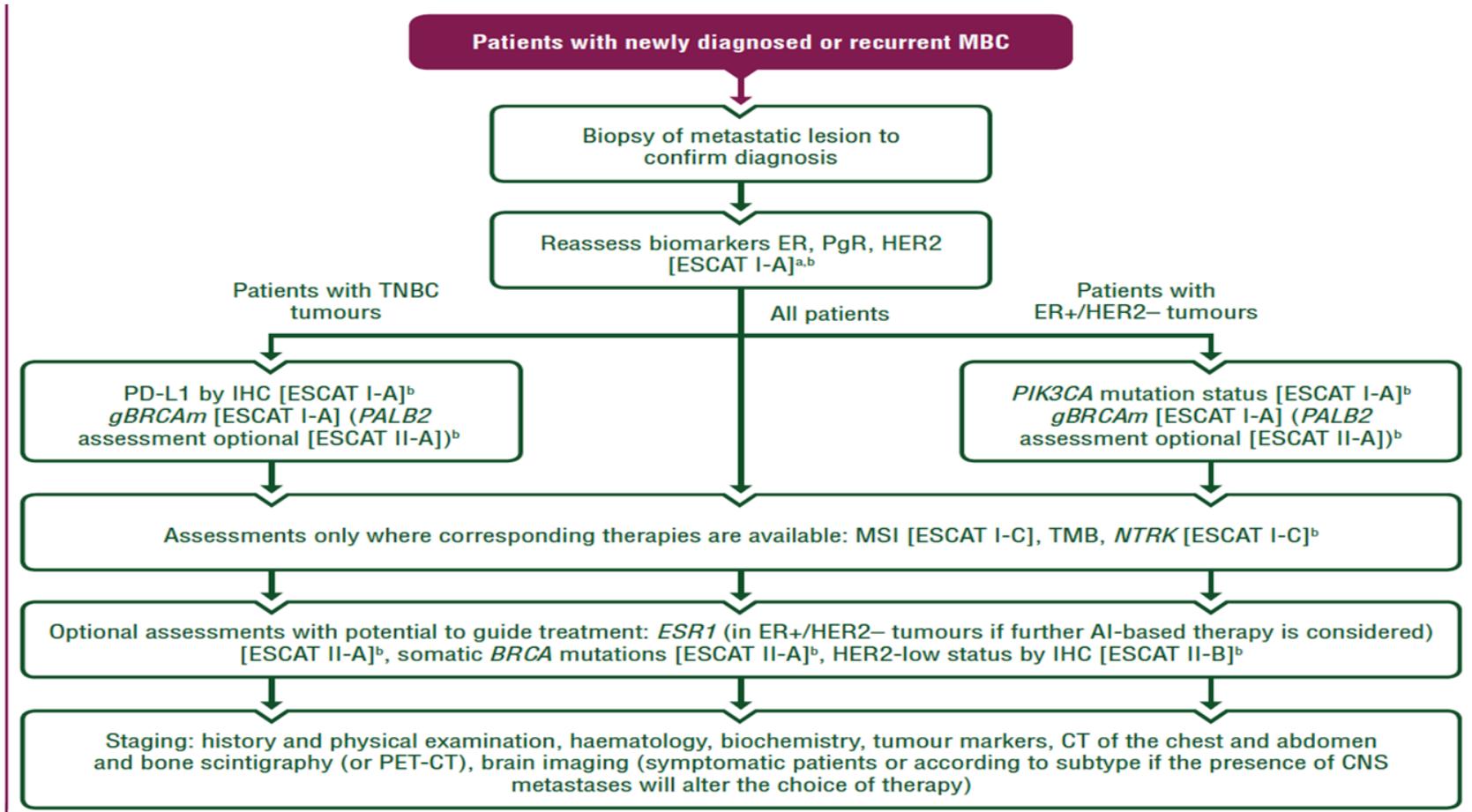
Cohort	Placebo + FUL		Alpelisib + FUL		HR (95% CI)
	n/N	mPFS, mo (95% CI)	n/N	mPFS, mo (95% CI)	
ITT <i>PIK3CA</i> -Altered	149/172	5.7 (3.7-7.4)	124/169	11.0 (7.5-14.5)	0.59 (0.43-0.81)
Biomarker <i>PIK3CA</i> -Altered	101/117	5.6 (3.6-7.4)	90/120	11.0 (8.3-15.2)	0.56 (0.42-0.76)

Clinical Benefit Across TMB Quartiles of Patients Treated With Alpelisib + FUL

Quartile	Placebo + FUL ^a		Alpelisib + FUL ^a		HR by Quartile	HR (95% CI)
	n/N	mPFS, mo (95% CI)	n/N	mPFS, mo (95% CI)		
Quartile 1 0-<2.52 mut/mb	26/30	3.2 (1.8-7.4)	24/32	18.5 (7.7-22.1)		0.38 (0.21-0.68)
Quartile 2 2.52-<3.78 mut/mb	14/17	12.8 (3.7-22.1)	13/18	12.0 (4.5-33.5)		0.81 (0.38-1.77)
Quartile 3 3.78-<5.04 mut/mb	14/15	3.6 (1.8-7.4)	14/16	10.9 (3.8-11.2)		0.68 (0.32-1.47)
Quartile 4 ≥5.04 mut/mb	31/37	5.1 (1.9-7.4)	27/35	7.4 (5.5-17.3)		0.68 (0.40-1.17)

- Clinical benefit was consistent in patients treated with alpelisib with high TMB (Quartile 4) and more pronounced in patients with a low TMB (Quartile 1) who were treated with alpelisib

^aTMB data available for 200 of 237 patients with PIK3CA-altered tumors tested by FoundationOne[®] CDx. Data should be interpreted with caution because of the small sample size. FUL, fulvestrant; HR, hazard ratio; mb, megabase; mPFS, median progression-free survival; mut, mutations; n, number of events; N, number of patients; PIK3CA, phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit alpha; TMB, tumor mutational burden.



¿Donde hacer solicitudes de diagnóstico de mutaciones PIK3CA para pacientes con CMM HR+ HER2-?

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info@diagnosticopi3k.es
ES2305318014

Conclusiones

- En pacientes con CMM HR+/HER2- con mutación en *PIK3CA* la combinación de alpelisib + fulvestrant ha demostrado actividad clínica y estadísticamente significativa.
- El beneficio clínico parece consistente en el análisis de subgrupos.
 - En marcha fase III para testar formalmente la eficacia a la progresión al estándar en 1ª línea de CDK4/6i + ET.
- La hiperglicemia y el rash son los efectos secundarios de clase más destacables.
- La determinación de mutaciones en *PIK3CA* puede hacerse en tejido y sangre.

Muchas gracias