

Weekly paclitaxel, pegylated liposomal doxorubicin or topotecan $\pm$ bevacizumab in platinum-resistant recurrent ovarian cancer: Analysis by chemotherapy cohort in the GCIG AURELIA randomised phase III trial

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Disclosures

- A Poveda, I Vergote: Roche (advisory boards)
- F Selle: Roche, PharmaMar (consultancy)
- F Hilpert, E Pujade-Lauraine: Roche (honoraria)
- A Bamias: Roche, GlaxoSmithKline (advisory boards)
- D Bollag: Roche (employee)
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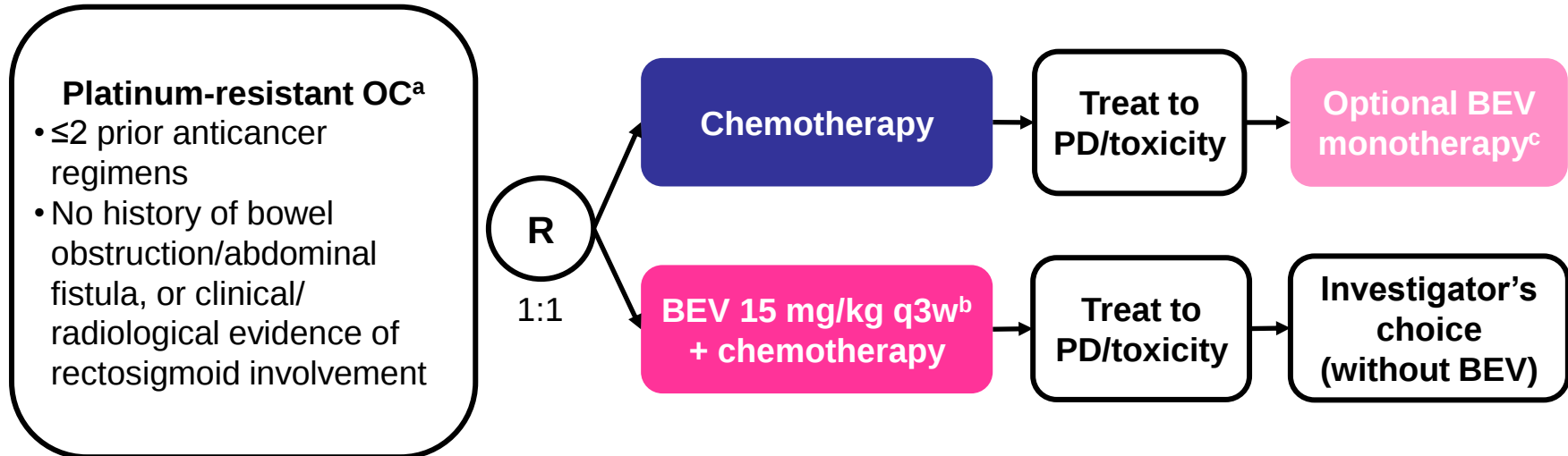
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Background

- Ovarian cancer (OC) is a highly VEGF-driven disease
- Bevacizumab (BEV) significantly improves PFS when combined with CT and continued as a single agent in the:
 - Front-line setting (GOG-0218, ICON7)^{1,2}
 - Platinum-sensitive recurrent setting (OCEANS)³
- The randomised phase III AURELIA trial demonstrated significantly improved PFS (primary endpoint) and ORR with the addition of BEV to CT in platinum-resistant OC⁴
 - PFS hazard ratio 0.48 (95% CI: 0.38–0.60; p<0.001)
 - Median PFS: 6.7 vs 3.4 months with chemotherapy alone
- We report an exploratory subgroup analysis according to CT cohort
 - CT was selected by the investigator before randomisation

AURELIA trial design



Stratification factors:

- Chemotherapy selected
- Prior anti-angiogenic therapy
- Treatment-free interval (<3 vs 3–6 months from previous platinum to subsequent PD)

Chemotherapy options (investigator's choice):

- Paclitaxel 80 mg/m² days 1, 8, 15, & 22 q4w
- Topotecan 4 mg/m² days 1, 8, & 15 q4w (or 1.25 mg/m², days 1–5 q3w)
- PLD 40 mg/m² day 1 q4w

PD = progressive disease; PLD = pegylated liposomal doxorubicin

^aEpithelial ovarian, primary peritoneal or fallopian tube cancer

^bOr 10 mg/kg q2w

^c15 mg/kg q3w, permitted on clear evidence of progression

Statistical design

Primary objective: To compare PFS with CT alone vs BEV + CT according to RECIST v1.0

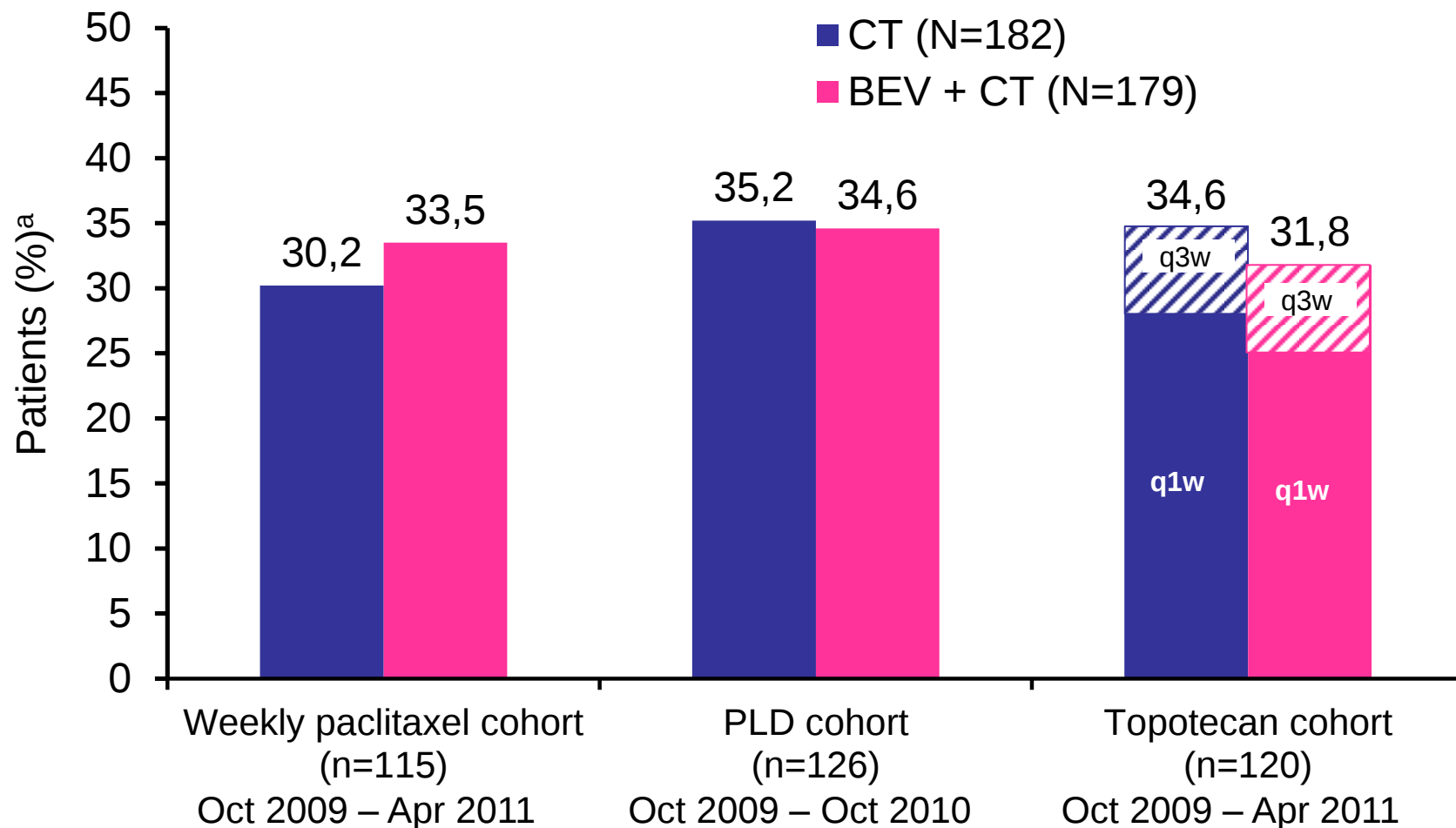
Secondary objectives: To compare

- Objective response rate (ORR) according to RECIST v1.0 and/or GCIG CA-125 criteria
- Overall survival
- Quality of life
- Safety and tolerability

Exploratory objectives: Including evaluation of safety and efficacy according to CT cohort (investigator's choice)

- CT choice was a stratification factor but patients were not randomised between the CT cohorts

Investigator's choice of chemotherapy



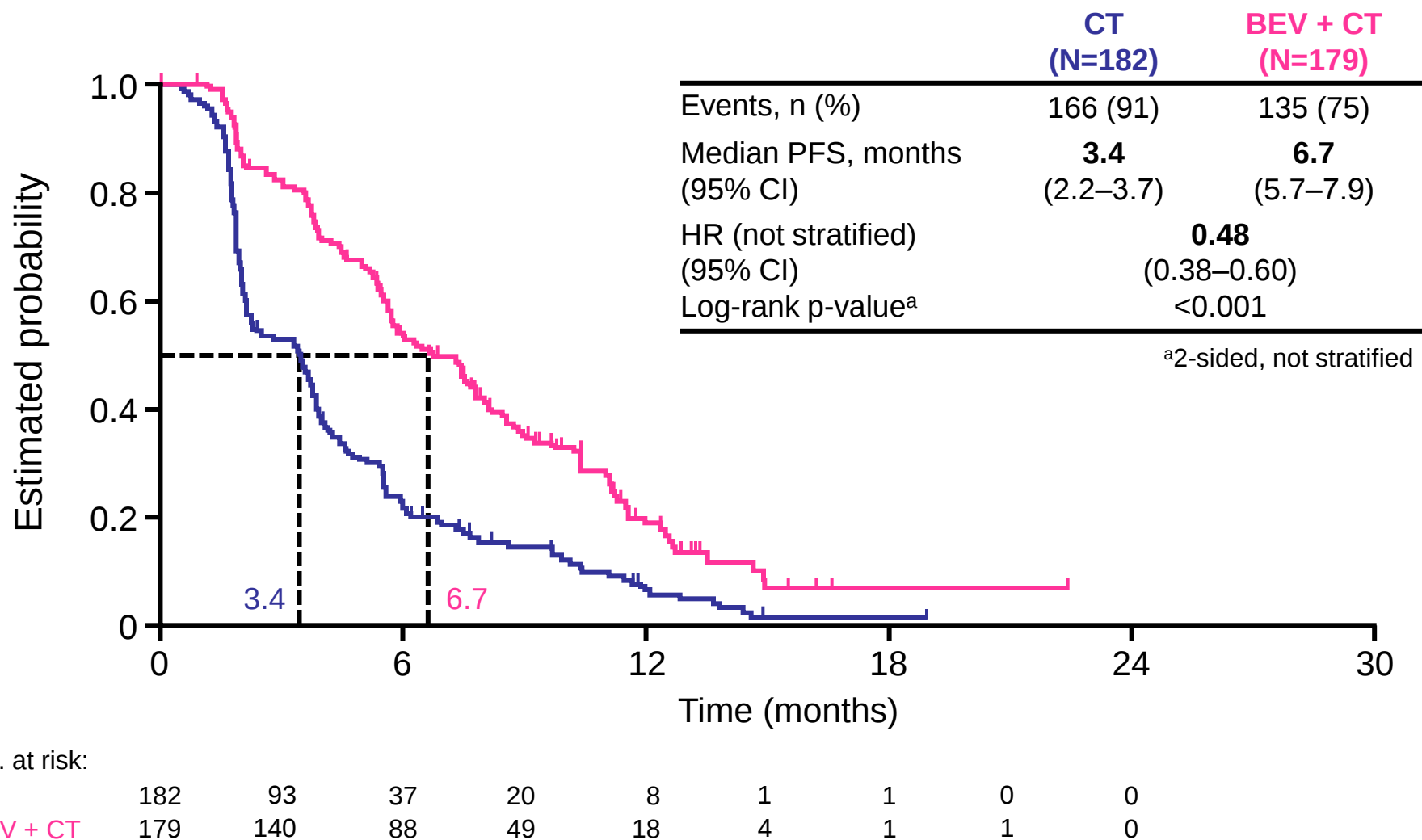
^aPercentages calculated per treatment arm

Baseline characteristics: Generally balanced between arms, some differences between cohorts

Characteristic, %	Weekly paclitaxel		PLD		Topotecan	
	CT (N=55)	BEV + CT (N=60)	CT (N=64)	BEV + CT (N=62)	CT (N=63)	BEV + CT (N=57)
Median age, years (range)	60 (25–80)	60 (25–79)	62 (32–77)	63.5 (39–78)	61 (35–84)	60 (26–80)
Age ≥65 years	25	42	34	48	43	26
Histology at diagnosis ^a						
Serous/adenocarcinoma	87	88	77	85	87	88
Clear cell	6	3	9	2	5	2
FIGO stage III/IV	87	87	81	90	89	96
Grade at diagnosis						
1	5	12	6	2	3	4
2	31	30	22	24	27	35
3	45	52	63	58	63	47
Missing	18	7	9	16	6	14
2 prior chemotherapy regimens	51	55	33	26	46	40
PFI <3 months ^b	27	27	20	27	25	26
ECOG PS						
0	49	63	59	55	54	61
1	40	30	34	32	40	35
2	7	3	6	13	5	4

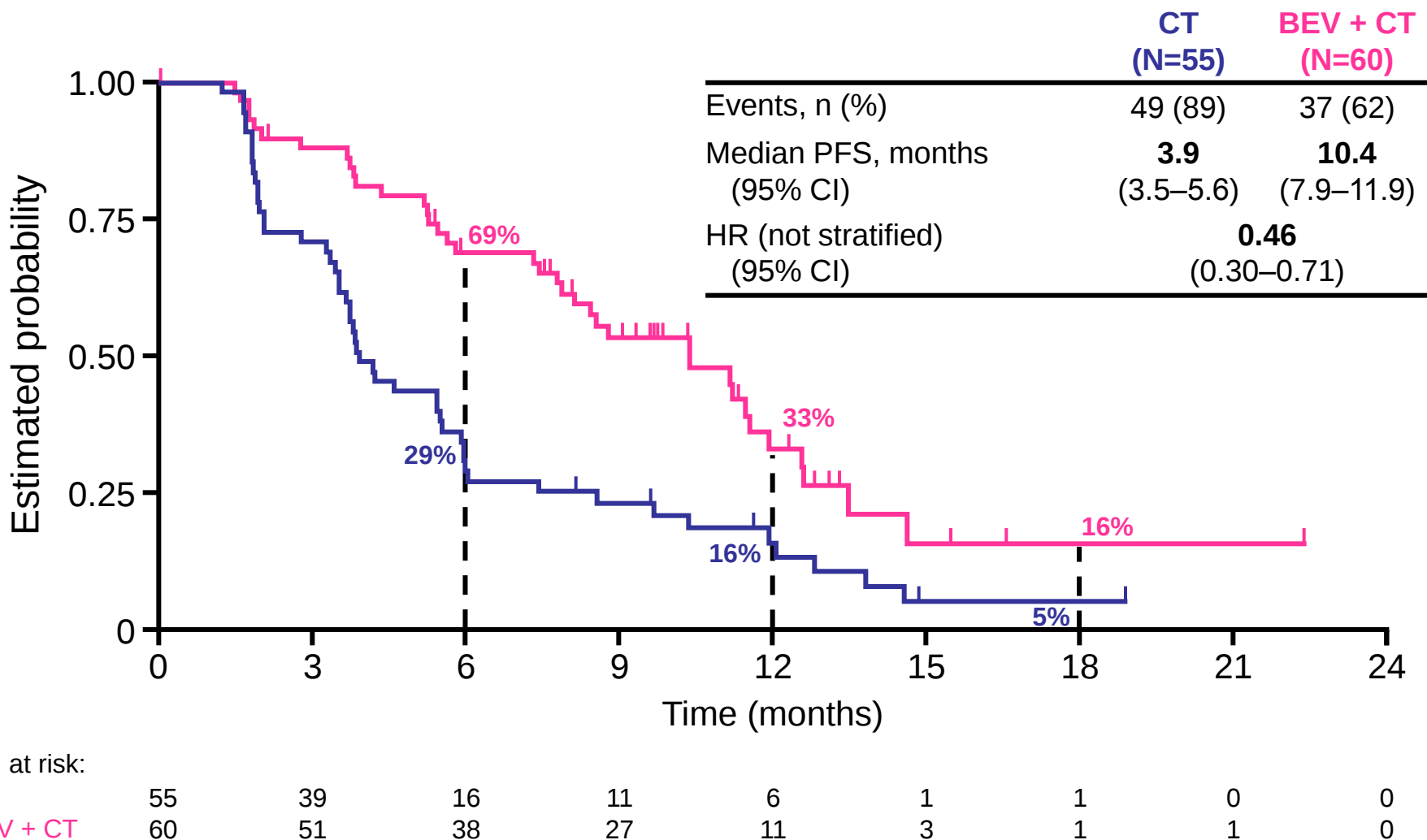
PFI = platinum-free interval. ^aMultiple answers possible. ^bFrom last platinum to subsequent PD

Progression-free survival: Overall population



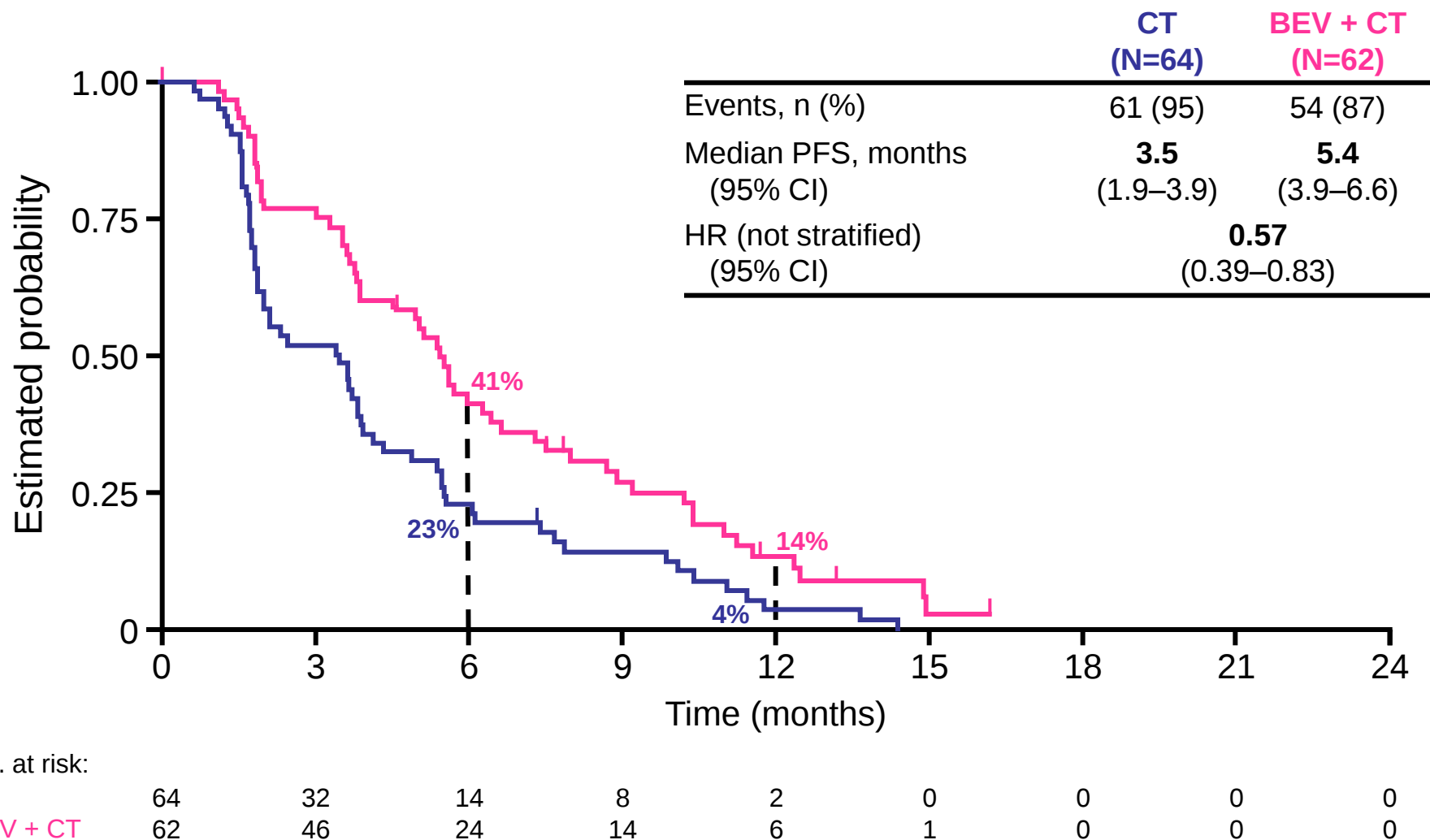
Median duration of follow-up: 13.9 months (CT arm) vs 13.0 months (BEV + CT arm)

PFS: Cohort treated with paclitaxel



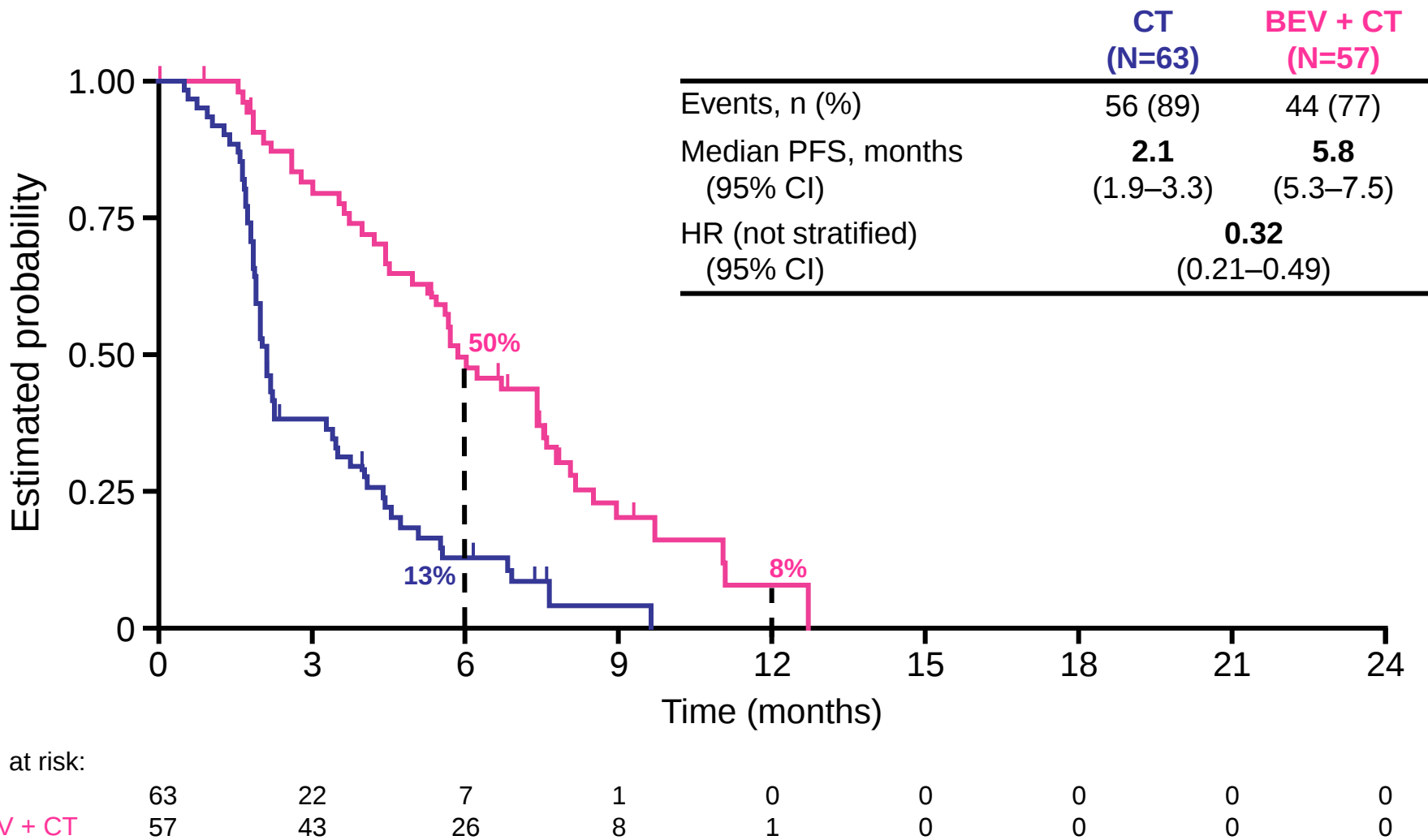
Median duration of follow-up: 12.7 months (CT arm) vs 12.8 months (BEV + CT arm)

PFS: Cohort treated with PLD



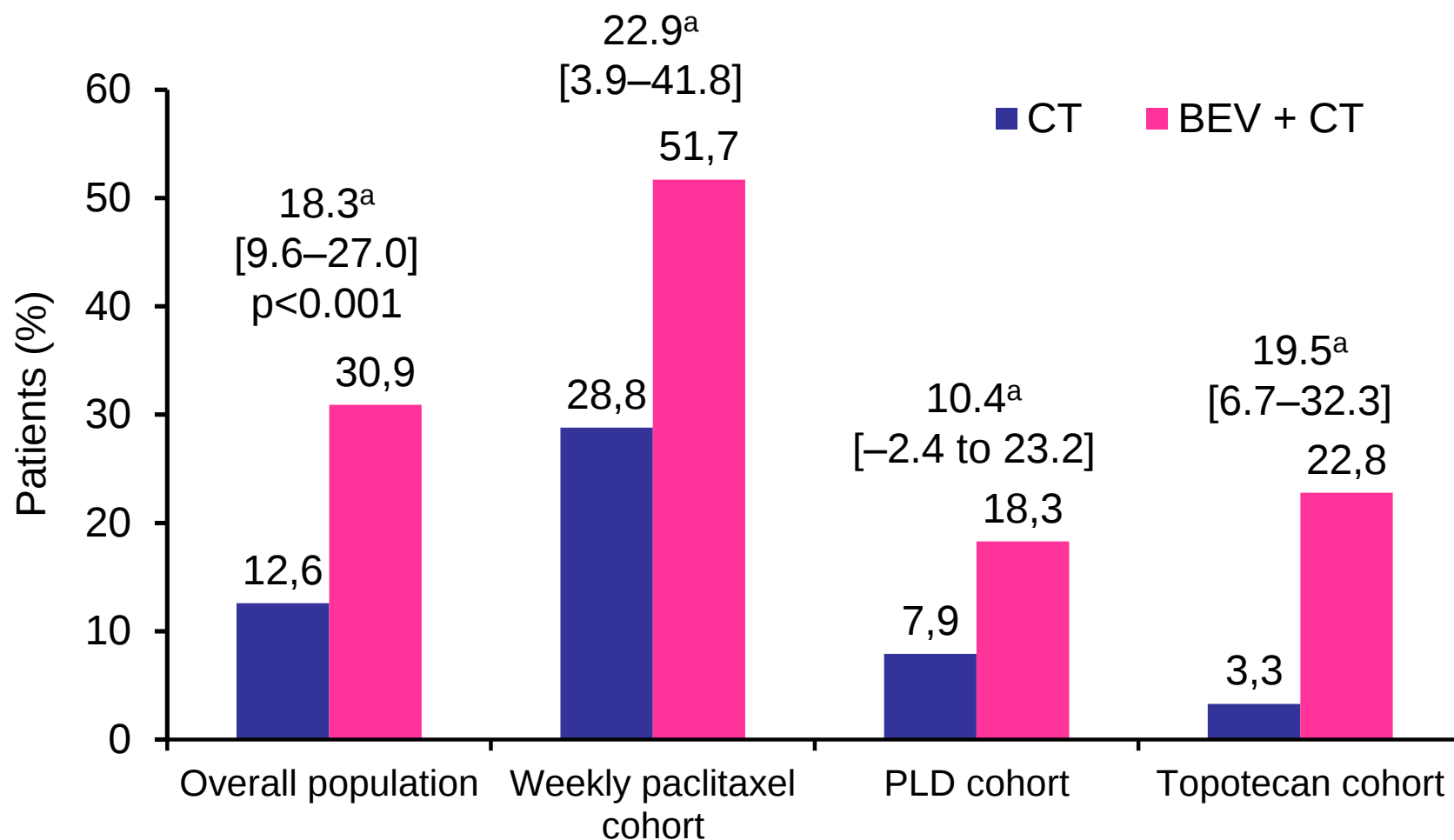
Median duration of follow-up: 15.8 months (CT arm) vs 16.7 months (BEV + CT arm)

PFS: Cohort treated with topotecan



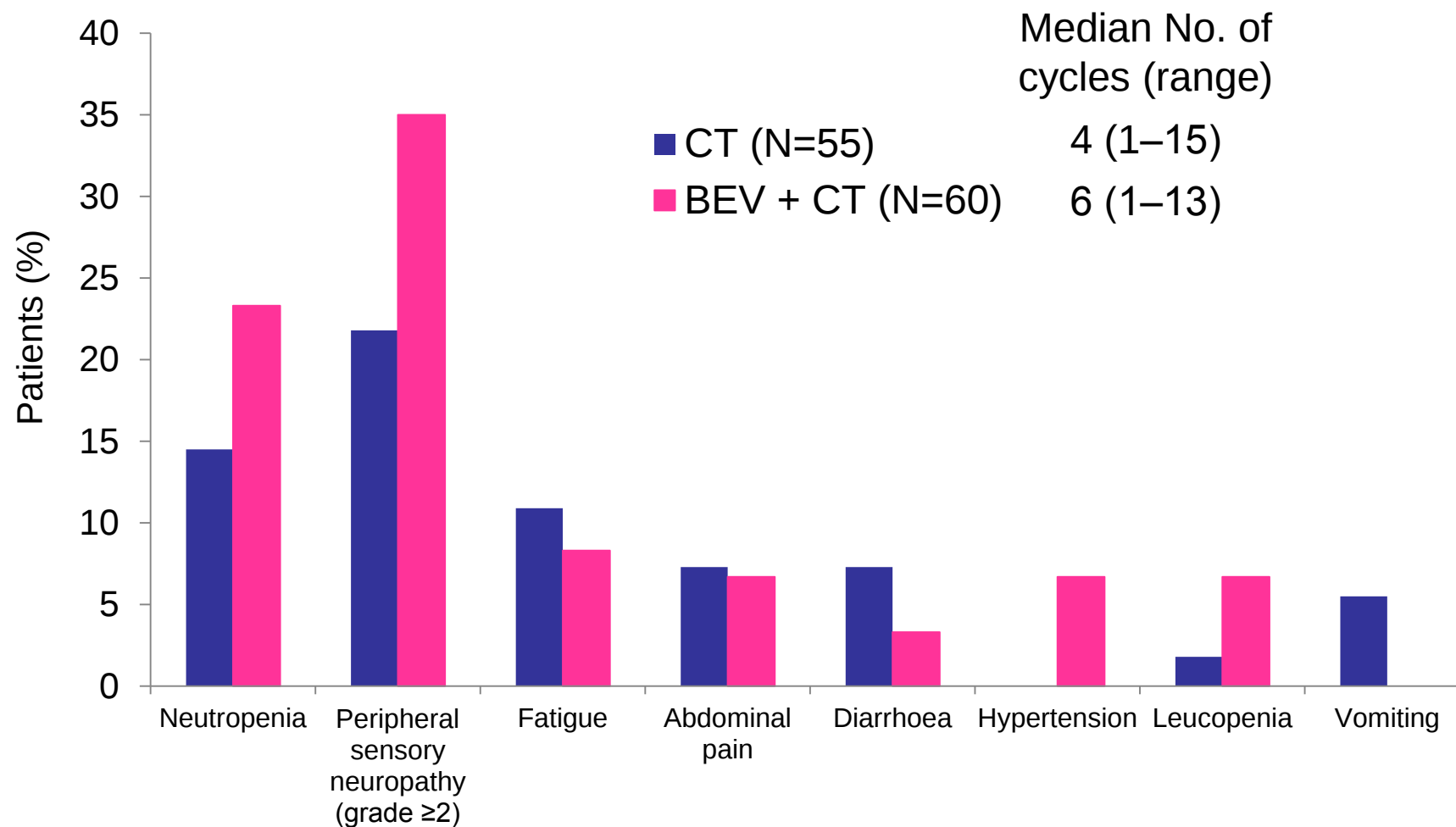
Median duration of follow-up: 9.0 months (CT arm) vs 10.5 months (BEV + CT arm)

Summary of best overall response rates (RECIST, CA-125 criteria or both)



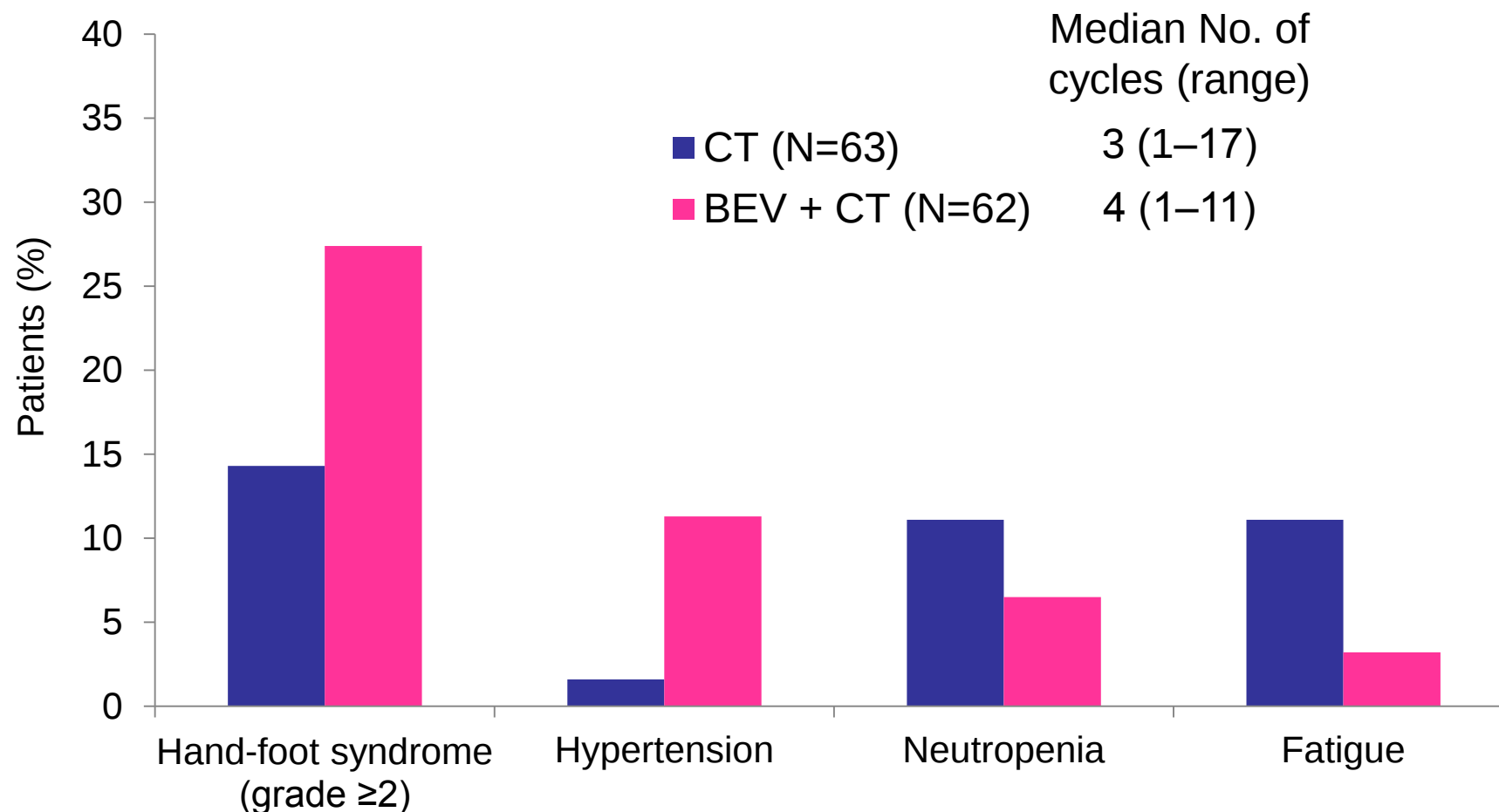
^aDifference in overall response rate; 95% CI with Hauck–Anderson continuity correction

Most common^a grade ≥ 3 AEs: Paclitaxel cohort



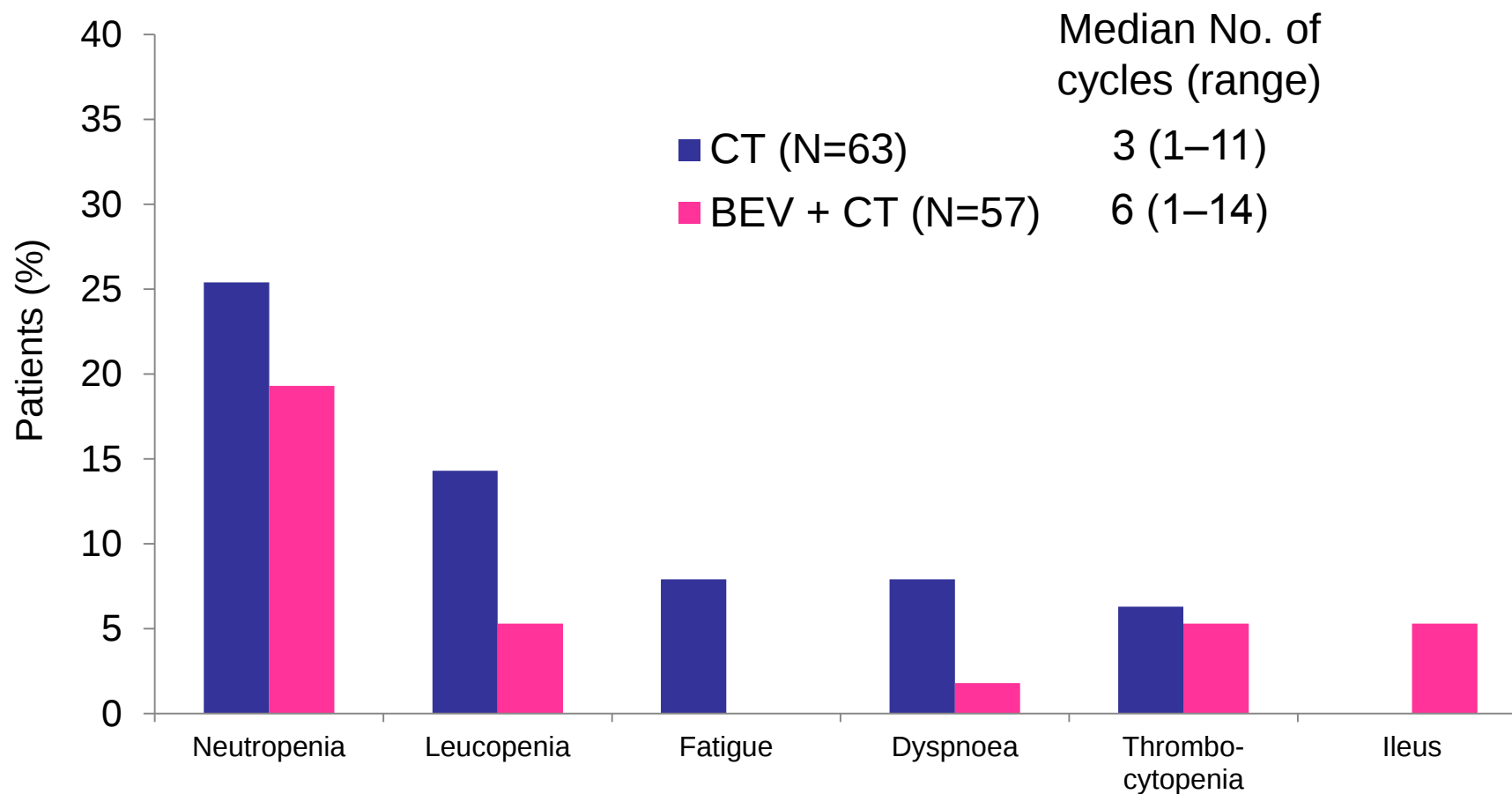
^aIn >5% of patients in either treatment arm

Most common^a grade ≥ 3 AEs: PLD cohort



^aIn >5% of patients in either treatment arm

Most common^a grade ≥ 3 AEs: Topotecan cohort



^aIn >5% of patients in either treatment arm

Conclusions

- The effect of BEV on PFS within the individual CT cohorts is consistent with results in the overall population, demonstrating benefit with the addition of BEV to CT for platinum-resistant recurrent OC
- The BEV safety profile is consistent with previous experience
 - Numerical increases in the overall incidences of peripheral sensory neuropathy (paclitaxel) and hand-foot syndrome (PLD) may be explained by longer duration of CT exposure associated with prolonged PFS
 - Overall, no indication that BEV exacerbates CT-related AEs
- BEV combined with CT should be considered a new standard option in platinum-resistant OC