

PRIMARY OUTCOME ANALYSIS OF INVASIVE DISEASE-FREE SURVIVAL FOR monarchE: ABEMACICLIB PLUS ADJUVANT ENDOCRINE THERAPY FOR HIGH-RISK EARLY BREAST CANCER

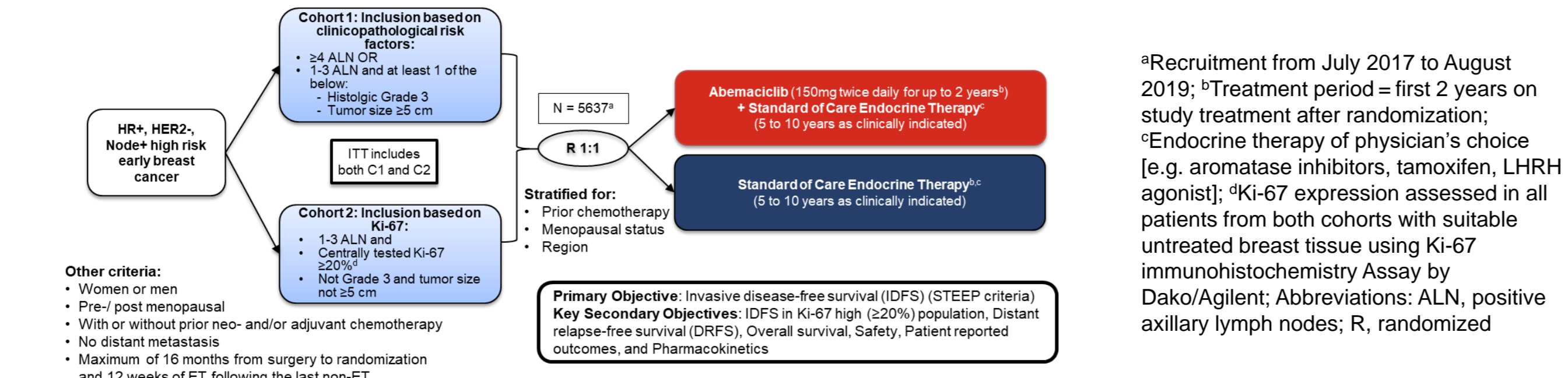
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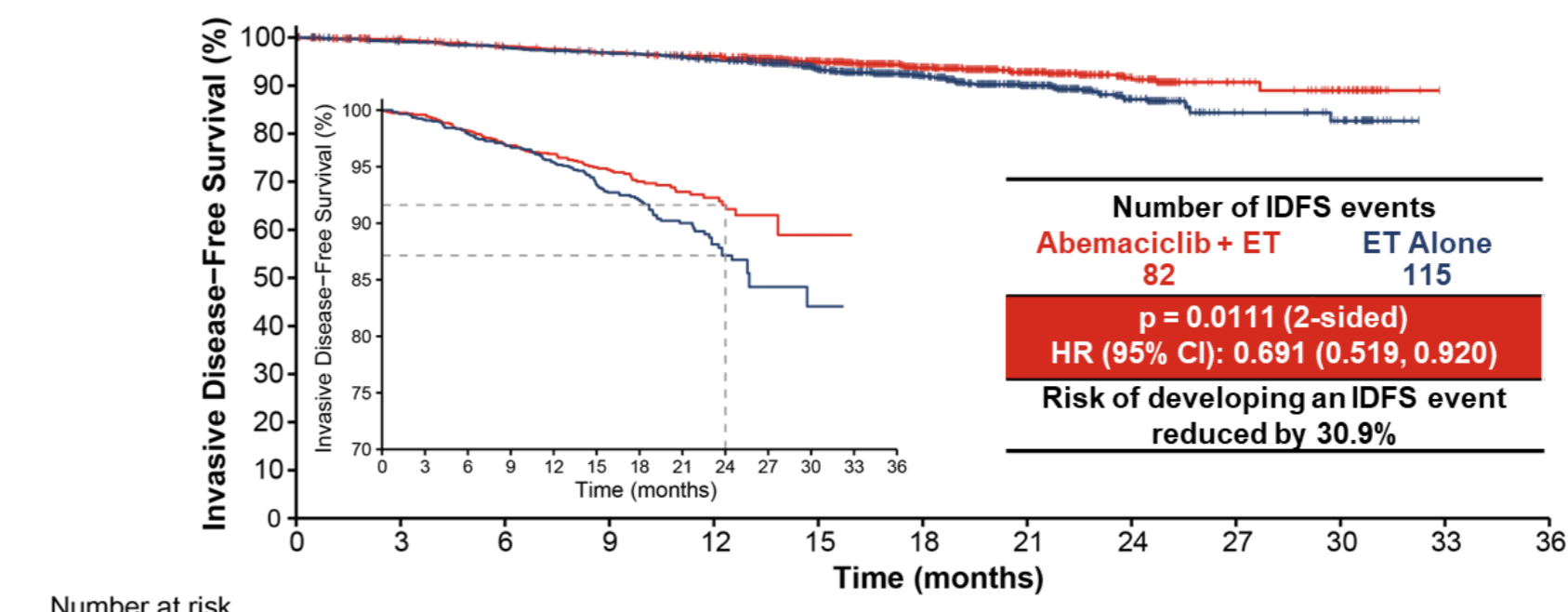
INTRODUCTION

- Approximately 20% of patients with HR+, HER2- early breast cancer (EBC) will experience disease recurrence within the first 10 years¹
 - Certain clinical and/or pathological features including high expression of Ki-67 have been shown to be associated with a higher recurrence rate^{2,3}
- Abemaciclib, an oral, continuously dosed, CDK4 & 6 inhibitor is approved for HR+, HER2- advanced breast cancer in combination with ET^{4,5}
- At the second preplanned interim analysis (IA2) with 323 invasive disease-free survival (IDFS) events, monarchE achieved its primary endpoint by demonstrating superior IDFS when abemaciclib was combined with ET compared to ET alone in patients with HR+, HER2-, node-positive, high risk, EBC⁶
 - p=0.0096, HR (95% CI): 0.747 (0.598, 0.932)
- Here we report results from the primary outcome (PO) IDFS analysis which was planned to occur at approximately 390 IDFS events

monarchE STUDY DESIGN

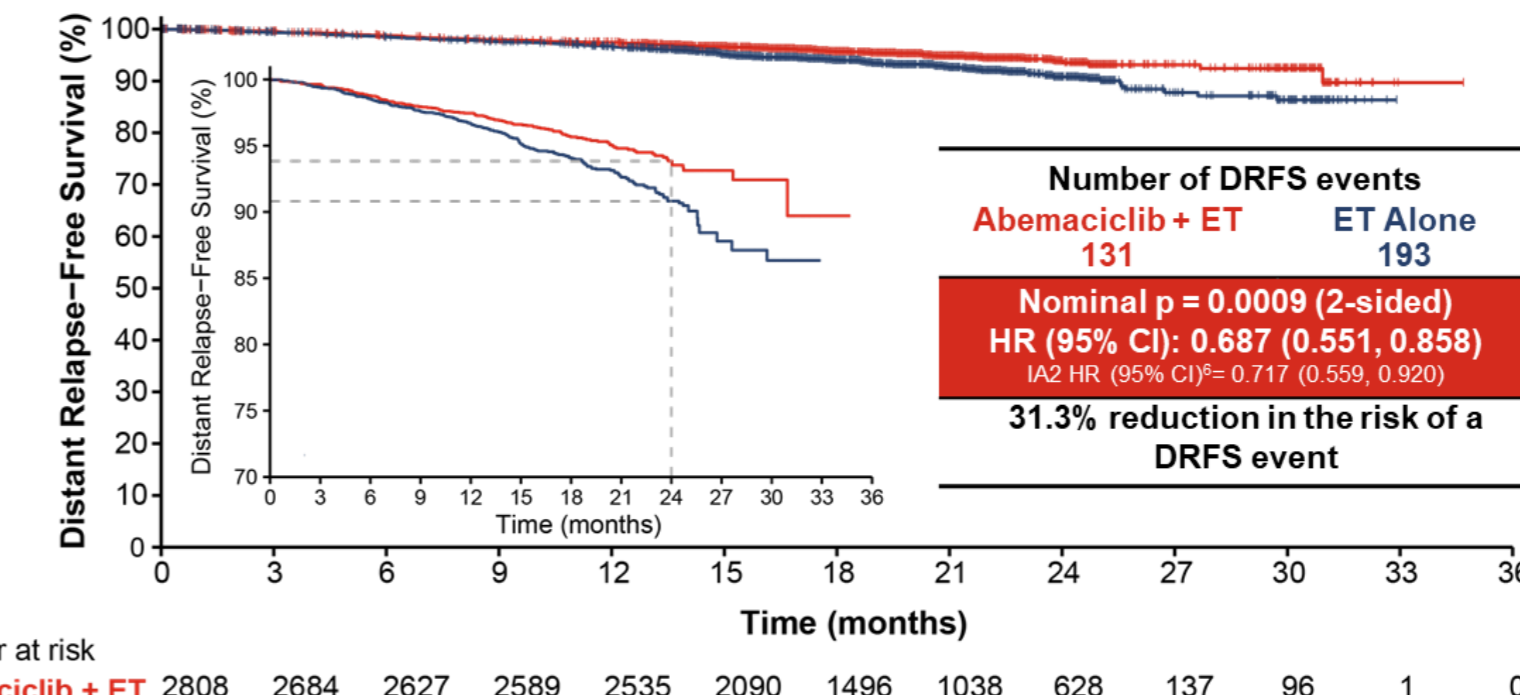


IDFS in Ki-67 High (≥20%) in the ITT Population at PO Analysis



Ki-67 was tested in all eligible patients in cohorts 1 and 2 with suitable untreated breast tissue
Statistically significant and clinically meaningful improvement in IDFS in patients with high Ki-67 tumors
 Two-year IDFS rates were 91.6% in the abemaciclib + ET arm and 87.1% in the ET arm – 4.5% difference

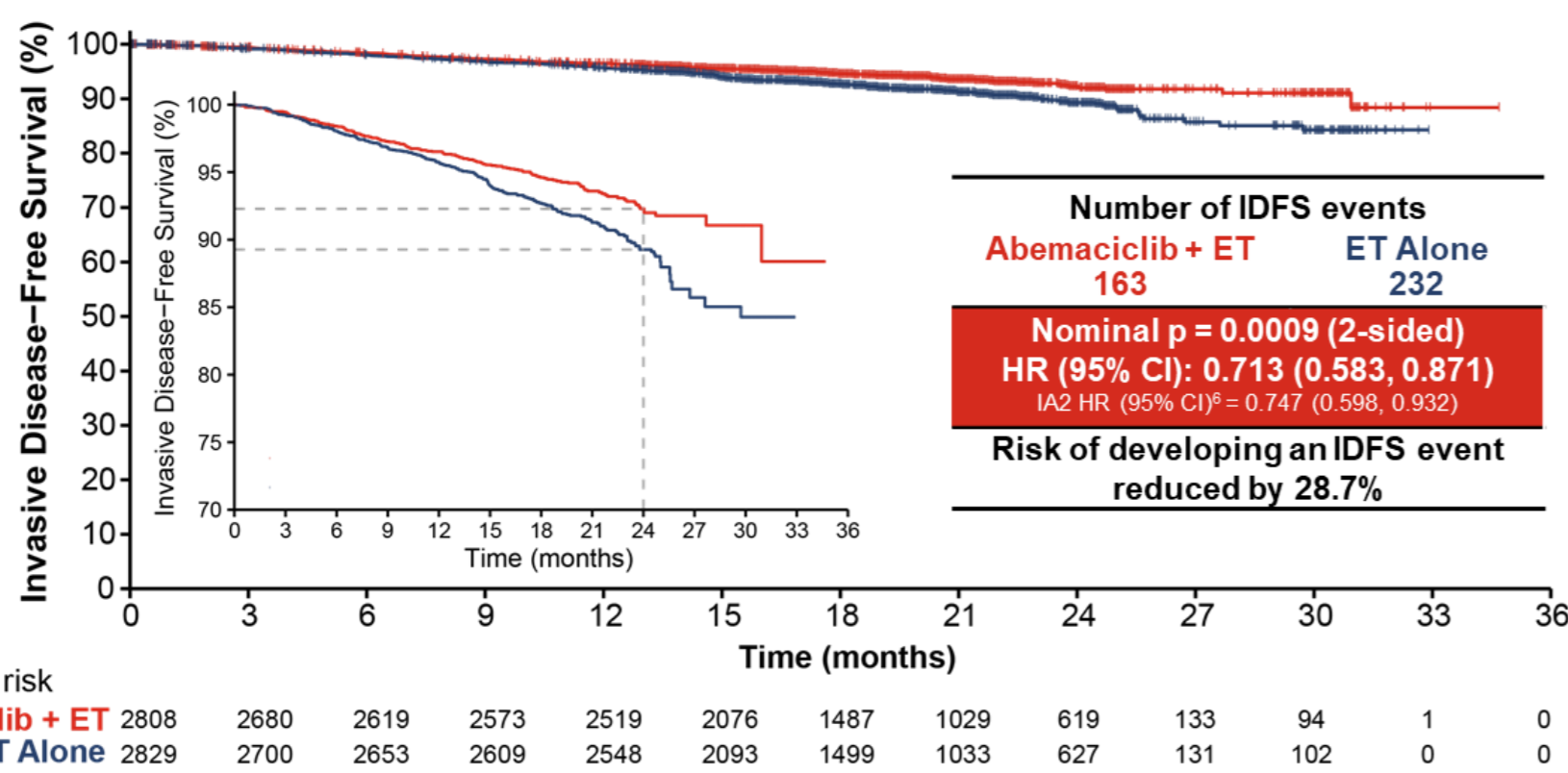
Distant Relapse-Free Survival (ITT) at PO Analysis



Clinically meaningful reduction in risk of developing distant metastasis with greater treatment benefit at PO analysis
 Two-year DRFS rates were 93.8% in the abemaciclib + ET arm and 90.8% in ET arm – 3.0% difference

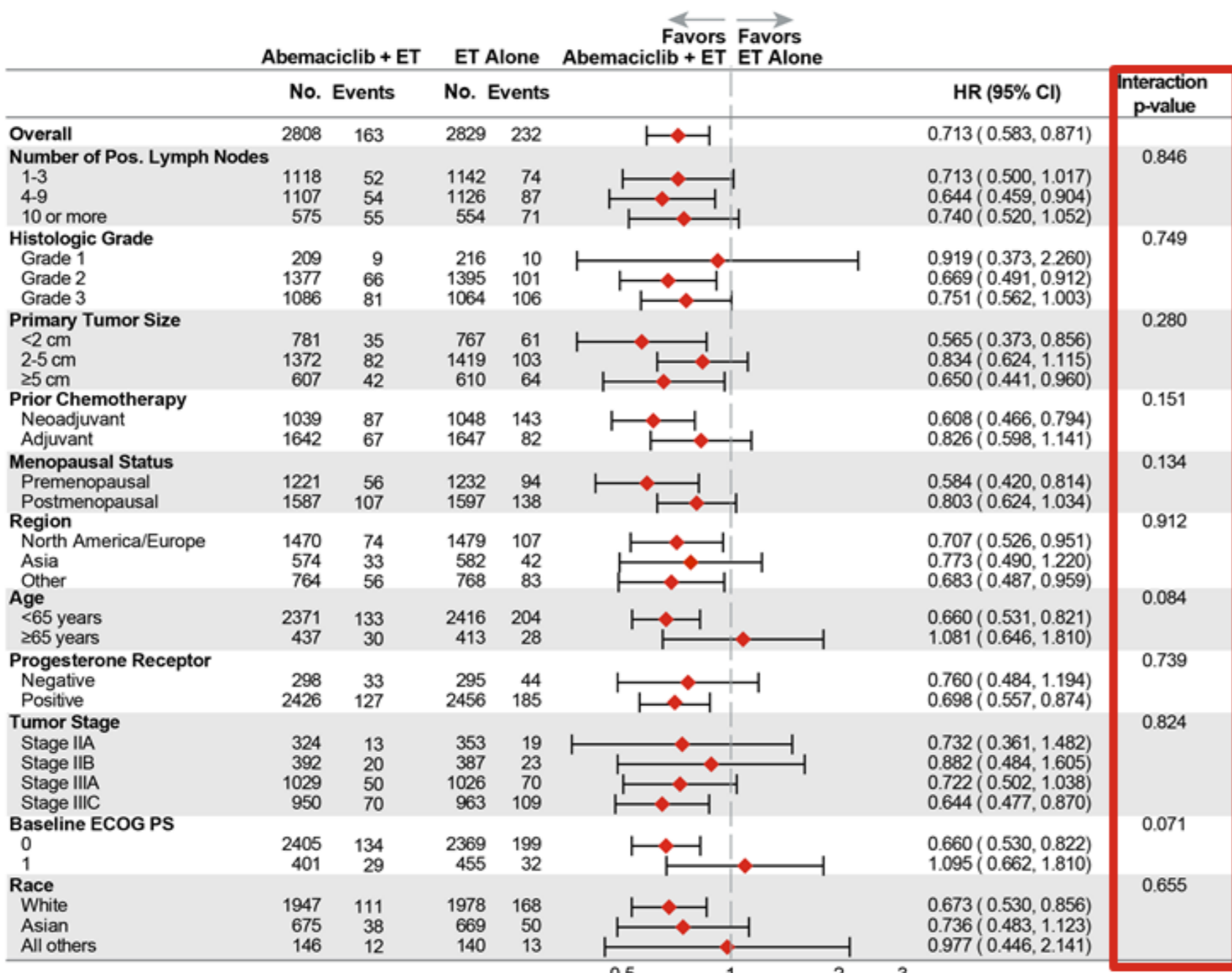
RESULTS

Invasive Disease-Free Survival (ITT) at PO Analysis



Statistically significant and clinically meaningful improvement in IDFS with greater treatment benefit at PO analysis
 Two-year IDFS rates were 92.3% in the abemaciclib + ET arm and 89.3% in the ET arm – 3.0% difference

IDFS in Prespecified Subgroups at PO Analysis



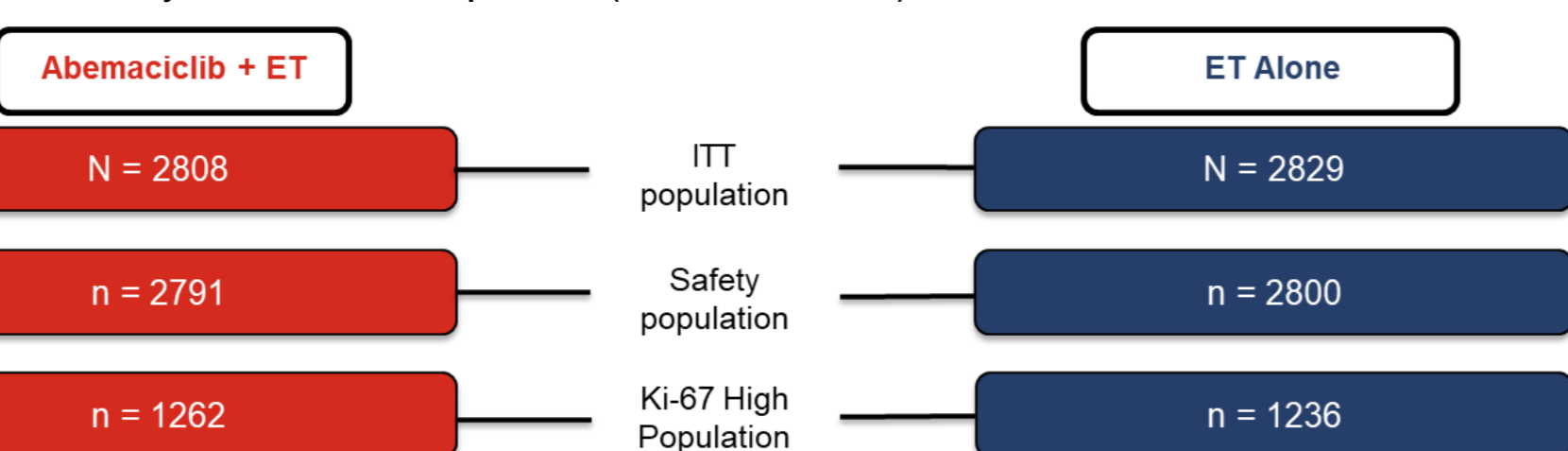
No statistically significant interactions observed supporting consistent benefit across all subgroups at PO analysis

Statistical Considerations

- Primary outcome efficacy analysis
 - Planned: study required approximately 390 IDFS events, at ~85% power with assumed IDFS hazard ratio (HR) of 0.73 and cumulative 2-sided alpha level of 0.05
 - Observed: 395 IDFS events in the ITT population^a
 - Key efficacy analyses
 - IDFS in ITT: statistical significance was achieved at the second interim analysis
 - IDFS in Ki-67 high (≥20%) in ITT (cohorts 1 and 2): sequentially tested at the primary outcome analysis, with two-sided p-value boundary at 0.0424^b
 - DRFS in ITT: not alpha controlled
- ^aData cutoff July 8, 2020; ^bRemaining alpha level for this endpoint at the primary outcome analysis, calculated using method of Slud and Wei (1982)

Accrual and Analysis

- Median follow-up: 19.1 months in both arms (15.5 months at IA2⁶)
 - 25.5% (n=1437) patients completed the 2-year treatment period (12.5% at IA2⁶)
 - 58.2% (n=3281) were still on the 2-year treatment period (72.8% at IA2⁶)



- Ki-67 was centrally tested in all available primary untreated tumor samples in the ITT population and the Ki-67 high population includes all patients in cohorts 1 and 2 with Ki-67 ≥20%

References
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CONCLUSIONS

- At the preplanned PO analysis, with 395 events and an additional 3.6 months median follow-up, abemaciclib combined with standard ET
 - Continued to demonstrate a reduction in the risk of developing IDFS and DRFS events for patients with HR+,HER2-, high risk EBC
 - Resulted in a statistically significant improvement in IDFS in patients with high (≥20%) Ki-67 tumors
- Safety was consistent with IA2 and the known safety profile of abemaciclib
 - Most discontinuations due to AEs occurred within the first 5 months of study treatment
 - Most patients who required a dose hold or reduction were able to remain on study treatment
- Study is ongoing, until the final assessment of overall survival
- Abemaciclib in combination with ET is the first CDK4 & 6 inhibitor to demonstrate efficacy and tolerability for patients with HR+, HER2-, node-positive, high risk, EBC

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