

DID YOU KNOW?

Beyond the Data

CDK4/6 Inhibitors for Treatment of Node-Positive, High-Risk, HR-Positive/HER2-Negative Early Breast Cancer: Addressing Tolerability to Maximize Treatment Persistence

Dose Modifications: Preserved Clinical Trial Efficacy and Real-World Tolerability

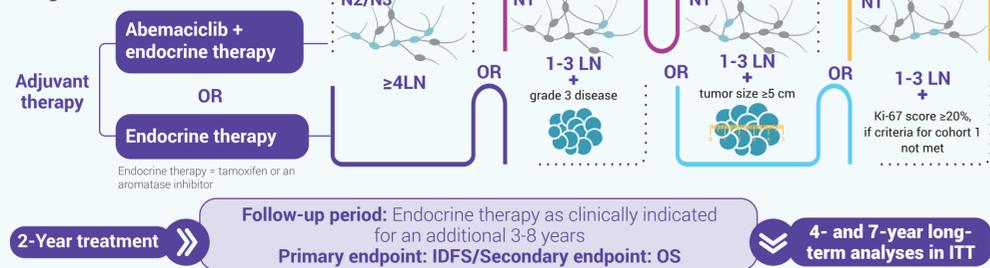
Currently, there are 2 cyclin-dependent kinase (CDK)4/6 inhibitors approved for adjuvant use in node-positive, high-risk, hormone receptor (HR)-positive/HER2-negative early breast cancer (eBC):

- Abemaciclib was approved in 2021 in combination with endocrine therapy (ET) (tamoxifen or an aromatase inhibitor [AI]) for the adjuvant treatment of adult patients with node-positive, HR-positive/HER2-negative eBC at high risk of recurrence based on data from the phase 3 monarchE study^{1,2}
- Ribociclib was approved in 2024 in combination with an AI for the adjuvant treatment of adults with HR-positive/HER2-negative stage II and III eBC at high risk of recurrence based on the results of the phase 3 NATALEE study³

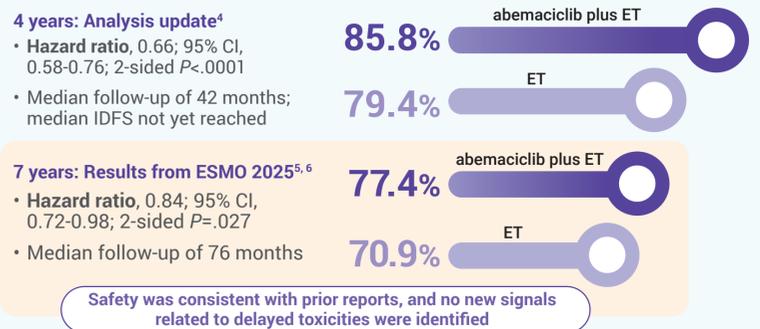
Experience From monarchE: Abemaciclib Dose Reductions Do Not Compromise Efficacy

Phase 3 monarchE Study Design²

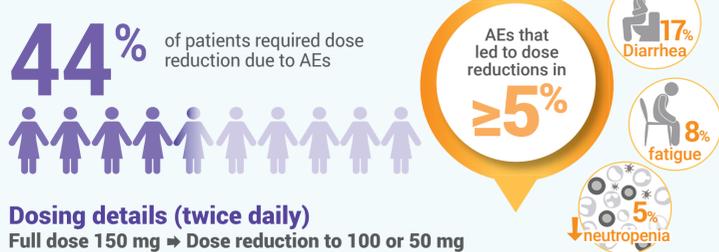
Adult patients with node-positive, HR-positive/HER2-negative eBC at high risk of recurrence



Abemaciclib Plus ET Shows Sustained IDFS Benefit in Long-Term Analyses (ITT) Compared with ET alone



A Portion of Patients in monarchE Required Abemaciclib Dose Reductions (Safety Set)²



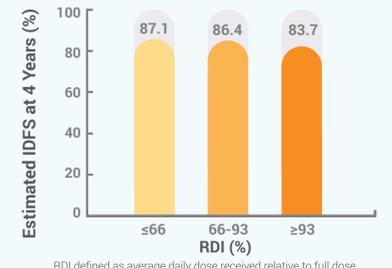
monarchE: Impact Analysis of Dose Reductions on Adjuvant Abemaciclib Efficacy⁷

Using data from the 4-year long-term analysis, this study evaluated the impact of abemaciclib dose reductions on treatment outcomes by relative dose intensity (RDI), with patients divided into 3 equally sized subgroups. IDFS was estimated within each subgroup using the Kaplan-Meier method, and a time-dependent Cox proportional hazards model was used to assess the effect of dose reductions on IDFS while accounting for the timing and duration of dose changes.

IDFS benefit was not significantly impacted by dose reductions

- Adjusted hazard ratio, 0.92; 95% CI, 0.74-1.15; P value not reported

Dose-Reduced Abemaciclib Plus ET Shows Sustained IDFS Benefit at 4 Years (ITT)

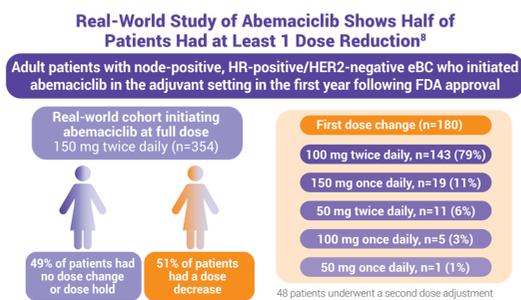


Real-World Evidence Suggests Abemaciclib is Well Tolerated by Most Patients in US Clinical Practice Beyond 3 Months of Treatment With Tailored Dose-Modification Strategies

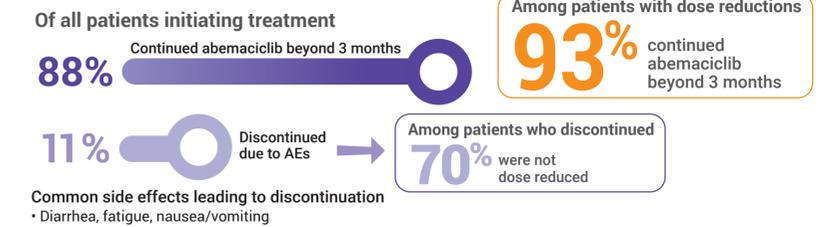
Findings Presented at San Antonio Breast Cancer Symposium 2024⁸

A real-world, retrospective study evaluated dose-reduction patterns and 3-month treatment persistence of abemaciclib using the US Flatiron Health database. A 60-day medication gap was allowed in analysis of persistence rates.

- Median time to first dose reduction was ~2 months



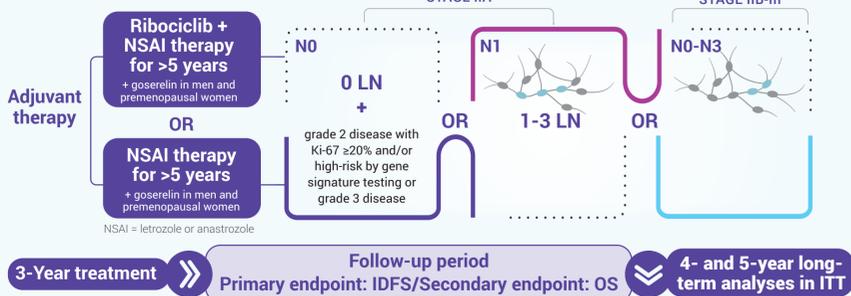
The Option of Modifying Dosing Allowed the Majority of Patients to Continue Abemaciclib Beyond 3 Months



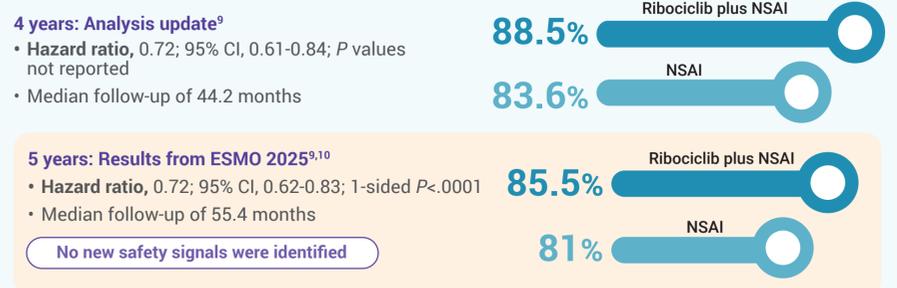
Experience From NATALEE: Ribociclib Dose Reductions Do Not Compromise Efficacy

Phase 3 NATALEE Study Design³

Adult patients with stage II and III HR-positive/HER2-negative eBC



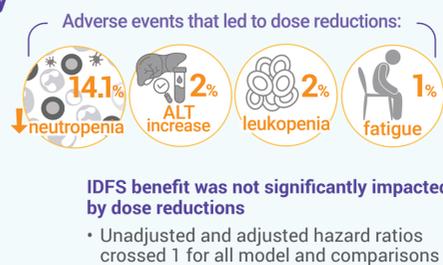
Ribociclib Plus NSAI Shows Sustained IDFS Benefit in Long-Term Analysis Compared With NSAI Alone (ITT)



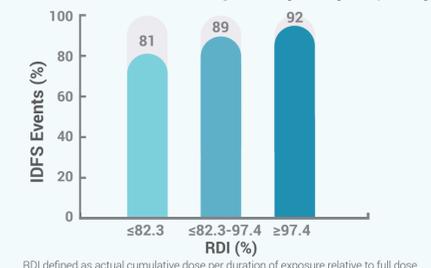
NATALEE: Impact Analysis of Dose Reductions on Adjuvant Ribociclib Efficacy¹¹

This 4-year exploratory analysis evaluated the impact of ribociclib dose reductions on treatment outcomes by RDI. Unstratified Cox proportional hazards models were used to compare IDFS rates across RDI tertiles. Cox proportional hazards models were used to compare IDFS rates across RDI while accounting for timing and early discontinuation. The median IDFS follow-up time was 44.2 months.

A Portion of Patients in NATALEE Required Ribociclib Dose Reductions (Safety Set)



Dose-Reduced Ribociclib Plus ET Shows Sustained IDFS Benefit at 4-Year Exploratory Analysis (Safety Set)



In clinical trials, dose reductions of CDK4/6 inhibitors did not compromise IDFS benefit in patients with node-positive, HR-positive/HER2-negative eBC at high risk of recurrence. Real-world studies showed that dose reductions were associated with higher treatment persistence

References

1. VERZENIO [prescribing information]. 2021. Lilly USA, LLC, Indianapolis, IN.
2. VERZENIO [prescribing information]. 2025. Lilly USA, LLC, Indianapolis, IN.
3. KISQALI [prescribing information]. 2025. Novartis Pharmaceuticals Corporation, East Hanover, NJ.
4. Johnston SB, Toi M, O'Shaughnessy J, et al. Abemaciclib plus endocrine therapy for hormone receptor-positive, HER2-negative, node-positive, high-risk early breast cancer (monarchE): results from a preplanned interim analysis of a randomised, open-label, phase 3 trial. *Lancet Oncol*. 2023;24:77-90.
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7. Goetz MP, Ciom I, Testa L, et al. Impact of dose reductions on adjuvant abemaciclib efficacy for patients with high-risk early breast cancer: analyses from the monarchE study. *NPJ Breast Cancer*. 2024;10:34.
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9. Fasching PA, Stroyakovskiy D, Yardley DA, et al. Ribociclib plus endocrine therapy in hormone receptor-positive/ERBB2-negative early breast cancer: 4-year outcomes from the NATALEE randomized clinical trial. *JAMA Oncol*. 2025;11:1364-1372.
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11. Hamilton E, Decker T, Rugo HS, et al. Impact of ribociclib dose reduction on efficacy in patients with hormone receptor-positive/human epidermal growth factor receptor 2-negative early breast cancer in NATALEE. Presented at San Antonio Breast Cancer Symposium, December 10-13, 2024, San Antonio, TX. Poster P11-116.