## **Adjuvant Ribociclib Plus Nonsteroidal Aromatase Inhibitor in Patients With** HR+/HER2- Early Breast Cancer: 4-Year Outcomes From the NATALEE Trial

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### **KEY FINDINGS & CONCLUSIONS**

- In this 4-year landmark analysis, ribociclib + NSAI continued to demonstrate an iDFS and DDFS benefit over NSAI alone by reducing the risk of disease recurrence by 28.5% (Hazard ratio 0.715)
- · The absolute iDFS benefit continued to increase from 2.7% at 3 years to 4.9% at 4 years showing benefit after the end of three years of ribociclib treatment
- · The increasing efficacy benefit with RIB + NSAI was consistent across subgroups and secondary endpoints
- · OS follow-up is ongoing, with a positive trend seen in favor of RIB + NSAI
- · The safety profile remained stable with additional follow-up NATALEE results continue to support the benefit of adding 3
- years of ribociclib to adjuvant NSAI in a broad population of patients with HR+/HER2- EBC at risk of recurrence



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#### INTRODUCTION

- In the NATALEE trial, the addition of ribociclib to standard-of-care nonsteroidal aromatase inhibitor (NSAI) demonstrated a significant improvement in invasive disease-free survival (IDFS) over NSAI alone in patients with stage II or III hormone receptor-positive/human epidermal growth factor receptor 2-negative (HR+HER2-) early breast
- Second interim efficacy analysis (median iDFS follow-up, 27.7 mo): 20.2% of patients had completed the planned 3 years of ribociclib treatment; Hazard ratio, 0,748 (95% Cl. 0.618-0.906): 1-sided P=0.0014 12
- Protocol-specified final iDFS analysis (median iDFS follow-up, 33.3 mo): 42.8% of patients had completed 3 years of ribociclib; Hazard ratio, 0.749 (95% CI, 0.628-
- We report results from an exploratory 4-year landmark analysis of NATALEE, with an additional 10.9 months of follow-up since the final iDFS analysis, assessing efficacy and safety beyond the planned 3-year treatment duration with all patients off ribociclib

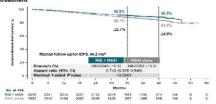
## RESULTS

- . At the data cutoff, median duration of exposure to study treatment was 45.1 months in the ribociclib (RIB) + NSAI arm vs 45.0 months in the NSAI alone arm
- · All patients are off RIB, and 62.8% completed the 3-year duration (Table 2)

#### Table 2. Patient Disposition

n(%)	RIB + NSAI n=2549		NSALaione n=2552	
Randomized	2549 (18%)		2562 (100)	
Treated	2526 (S9 II)		2441 (95.7)	
NSAI treatment ongoing	1794 (70.4)		1628 (63.8)	
Completed 3 y RIB treatment	1601 (62.5)		-	
Completed by study treatment	10 (0.4)	-	9 (0.4)	
	RIB	NSAI	NSAI	
Early discontinuation	523 (38 7)	772 (78.3)	864 (31.5)	
Primary reason for early discontinuation				
AE	689 (20.0)	126 (5.2)	124 (4.8)	
Disease relapse	127 (6.0)	198 (7.7)	267 (10.5)	
Patient/physician decision	160 (6.3)	206 (8.1)	189 (7.4)	
Lost to follow-up	8 (0.3)	16 (0.6)	21 (0.8)	
Death	8 (0.2)	9 (0.4)	5 (0.2)	
Other*	114 (4.5)	160 (6.2)	197 (7.7)	

Figure 2. Significant iDFS benefit was observed with RIB + NSAI after the planned



### Table 3. The majority of iDFS events were common in the NSAI only arm

Type and site of first iDFS event, n (%)	R1B + NSAI n=2549	NSAI Alone n=2552	
Distant recurrence	175 (6.9)	246 (5.6)	
Local/regional invasive recurrence	25 (1.0)	40 (1.9)	
Second primary nonbreast cancer	39 [1.5]	40 (1.6)	
Death	17 (0.7)	11 (0.4)	
Invasive contralateral breast tumor	11 (0.4)	10 (0.4)	
invasive ipsilateral breast tumor	8 (0.3)	9 (0.4)	

References

# Disclosures

Figure 3. Breakdown of

Distant Metastases in ITT Population

### **METHODS**

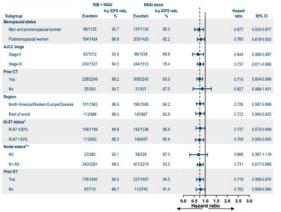
#### Figure 1. NATALEE Study Design<sup>3-6</sup>



#### iDFS Across Key Prespecified Subgroups

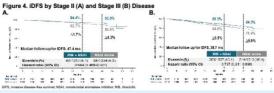
- · Consistent iDFS benefit was observed across subgroups (Table 4)
- RIB + NSAI demonstrated an increasing magnitude of iDFS benefit over time for stage II/III disease
- · RIB + NSAI showed an increasing magnitude of iDFS benefit over time for patients with N0 or N1-3 disease (Figure 5)

#### Table 4. iDFS Across Key Prespecified Subgroups



Favors RIB + NSAI Favors NSAI alone AUCC, American Joint Committee on Cencer, CT, chemotherapy; ET, endocrine therapy; DFS, investive disease—free sur-surmatises inhibitor, RBB, phocicilib.

Thom articles inner tissue. \*\* Nodel status classification according to AUCC staging. \*Nodel status is from the worst stage.



#### Table 1. NATALEE iDFS Analyses Over Time

Analysis time points	Second interim efficacy analysis <sup>1</sup>	Protocol-specified final iDFS analysis <sup>3</sup>	4-year landmark analysis	
Data cutoff	11 January 2023	21 July 2023	29 April 2024	
Median follow-up for iDFS, months	27.7	33.3	44.2	
iDFS events, n	426	509	603	
Off RIB treatment, %	54.0	78.3	100	
Completed 3 years of RIB treatment, %	20.2	42.8	62.8	

#### Figure 5. iDFS by N0 (A) and N1-3 (B) Disease

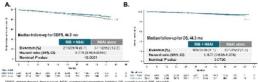


DFS, invasive disease-free survival; N, node; NSAI, nonsteroidal an

#### Key Secondary Efficacy Endpoints

RIB + NSAI continued to improve distant disease-free survival (DDFS) and showed a positive trend for overall survival (OS) (Figure 6)

#### Figure 6. Key Secondary Efficacy Endpoints: DDFS (A) and OS (B)



#### Safety

- Incidence of adverse events (AEs) remained stable from prior analyses<sup>1,3</sup> (Table 4)
- Rates of discontinuation due to AEs (20.0%) remained stable through all of the data cuts, with a <1.0% increase from the previous cutoff1.3
- Liver-related AEs were predominately alanine aminotransferase/ aspartate aminotransferase (ALT/AST) elevations without concomitant bilirubin increase

#### Table 4. NATALEE Safety

AFSis, %	RID - NSAI h=2528		NSAI sione n=2441	
	Any grade	Grade ≥3	Any grade	Grade ≥:
Neutropenia*	82.8	44.4	4.5	0.9
Febrie neutropenia	0.3	0.3	G.	a
I representated Af sh	26.7	8.8	11.4	1.7
GT interval prolongation-	5.4	1.0	1.5	0.7
LCG Q   prolonged	4.4	0.2	0.0	<0.1
Interstitial lung disease/pneumonities	1.5	0	0.0	0.1
Clinically relevant AEs, %				
Arthreigia	38.8	1.0	44.4	1.3
Neusce	23.5	0.2	78	<0.1
Headache	22.9	0.4	17.2	0.2
Fatigue	22.6	0.8	13.5	0.2
Diarrhea	14.6	0.6	0.0	0.1
VTE*	1.1	0.6	0.5	0.3

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