QuANTUM-First: Effects of Quizartinib on RFS, OS, CIR, and MRD in Newly Diagnosed Patients With FMS-Like Tyrosine Kinase 3-Internal Tandem Duplication—Positive Acute Myeloid Leukemia Who Received Maintenance Therapy

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BACKGROUND

- The phase 3 QuANTUM-First study (NCT02668653) showed that the addition of quizartinib, a highly potent and selective type II FMS-like tyrosine kinase 3 (FLT3) inhibitor, to standard chemotherapy with or without allogeneic hematopoietic cell diagnosed *FLT3*-internal tandem duplication (ITD)—positive acute myeloid leukemia (AML: hazard ratio [HR], 0.78: 95% Cl. 0.62-0.98: 2-sided *P*=0.032), with a manageable
- An OS analysis by allo-HCT, in patients who achieved complete remission longer OS with guizartinib versus placebo, regardless of whether they received allo-

OBJECTIVES

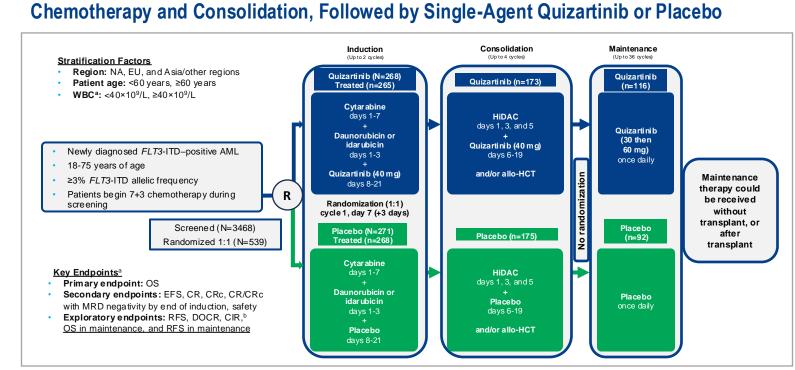
To assess the impact of post-consolidation single-agent maintenance therapy on OS. relapse-free survival (RFS), and cumulative incidence of relapse (CIR) in patients with newly diagnosed FLT3-ITD-positive AML treated in the QuANTUM-First study who received maintenance, with a focus on measurable residual disease (MRD) status at the start of maintenance

METHODS

Study Design

- A detailed description of the QuANTUM-First study has been previously published (Figure 1) Eligible adult patients (aged 18-75 years) with newly diagnosed FLT3-ITD-positive AML were randomized 1:1 to receive standard induction chemotherapy with either guizartinib (40 mg/day) or placebo combined with standard 7+3 induction chemotherapy, stratified
- by region, age, and white blood cell count (WBC) at diagnosis Patients who achieved CR or CR with incomplete hematologic recovery (CRi) received ≤4 cycles of high-dose cytarabine plus quizartinib (40 mg/day) or placebo and/or allo-HCT, followed by 36 4-week cycles (~3 years) of maintenance monotherapy with quizartinib (30-60 mg/day) or placebo
- The dose of quizartinib maintenance therapy started at 30 mg/day on days 1 to 15 of cycle 1, then increased to 60 mg/day if the average QT interval corrected with Fridericia's formula (QTcF) of the triplicate electrocardiogram (ECG) was ≤450 ms on day 15 of cycle 1. If not already increased on cycle 1 day 16, guizartinib was increased to 60 mg/day on cycle 2 day 2 if the average QTcF of the triplicate ECG was ≤450 ms
- There was no rerandomization before maintenance and only patients who were randomized to induction with guizartinib were allowed to receive maintenance
- QuANTUM-First was not powered to detect differences within the maintenance phase

Figure 1. QuANTUM-First Phase 3 Study: Quizartinib Plus Standard Induction



ClinicalTrials.gov identifier: NCT02668653 ^aA hierarchical testing procedure was used to test the primary endpoint of OS, followed by EFS, CR, CRc, CR with *FLT3*-ITD MRD negativity, and CRc with FLT3-ITD MRD negativity. bCIR was assessed post hoc. Allo-HCT, allogeneic hematopoietic cell transplantation; AML, acute myeloid leukemia; CIR, cumulative incidence of relapse; CR, complete remission; CRc, composite complete remission; DOCR, duration of complete remission; EFS, event-free survival; EU, European Union; FLT3-ITD, FMS-like tyrosine kinase 3-internal tandem duplication; HiDAC, high-dose cytarabine; MRD, measurable residual disease; NA, North America; OS, overall survival; R, randomized; RFS, relapse-free survival; WBC, white

Efficacy Analyses

MRD Analyses

- OS and RFS in patients who received maintenance were prespecified exploratory analyses, and CIR was a post hoc analysis
- OS was analyzed in the intent-to-treat (ITT) population who received maintenance; CIR and RFS were analyzed in patients who achieved CR or CRi by the end of induction based on independent review committee (IRC) assessment and received maintenance
- The medians of OS and RFS were estimated based on the Kaplan-Meier method, the 2-sided 95% CIs using the method of Brookmeyer and Crowley, and the HRs with the 95% CIs using unstratified Cox regression
- Rates of CIR, calculated from randomization, were estimated by a nonparametric method, treating death from any cause as a competing risk
- Rates of OS, RFS, and CIR and 95% Cls were provided descriptively The median duration of follow-up was calculated by the reverse Kaplan-Meier estimate¹⁰ Propensity scores were conducted based on baseline covariates (age, sex, WBC count,

NPM1 mutational status, percent of bone marrow blasts), and also allo-HCT before

maintenance and type of anthracycline P values were not adjusted for multiplicity

Samples for *FLT3*-ITD MRD analysis were collected from CRc patients ≤30 days before receiving maintenance and assessed by a polymerase chain reaction—next-generation

MRD negativity was defined by no detectable *FLT3*-ITD mutation (0 cutoff)

Safety was evaluated in patients treated with ≥1 dose of quizartinib or placebo

Adverse events (AE) were coded by Medical Dictionary for Regulatory Activities (MedDRA) v24.0 and assigned grades based on National Cancer Institute Common Terminology Criteria for Adverse Events (CTCAE), version 4.03

RESULTS

Baseline Demographic and Disease Characteristics in Patients Who Received

- Cooperative Oncology Group performance status of 2, had a higher WBC count at diagnosis, had a lower rate of NPM1 mutations, and had higher variant allele frequency
- for FLT3 mutations versus placebo-treated patients (**Table 1**) Other parameters were generally balanced across the 2 arms

Table 1. Demographics and Disease Characteristics in Patients Who Received **Maintenance by Treatment Arm**

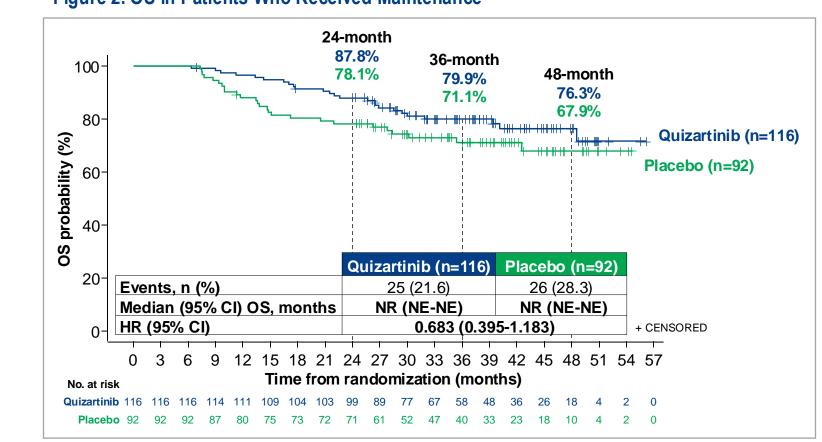
| Baseline characteristics | Patients who received maintenance | | ITT population | |
|---|-----------------------------------|--------------------|------------------------|--------------------|
| | Quizartinib (n=116) | Placebo (n=92) | Quizartinib (n=268) | Placebo (n=271) |
| Age Median (range) <60 years, % ≥60 years, % | 53 (23-73) | 56.5 (20-74) | 56 (23-75) | 56 (20-75) |
| | 66.4 | 54.3 | 60.1 | 59.8 |
| | 33.6 | 45.7 | 39.9 | 40.2 |
| Sex, n (%) Male Female | 45.7 | 41.3 | 46.3 | 44.6 |
| | 54.3 | 58.7 | 53.7 | 55.4 |
| ECOG PS, n (%) 0 1 2 Missing | 36.2 | 38.0 | 32.5 | 36.2 |
| | 49.1 | 54.3 | 50.0 | 50.2 |
| | 14.7 | 7.6 | 17.5 | 13.3 |
| | 0 | 0 | 0 | 0.4 |
| Cytogenetic risk status, % Favorable Intermediate Unfavorable Unknown/Missing | 4.3 | 10.9 | 5.2 | 7.0 |
| | 72.4 | 65.2 | 73.5 | 71.2 |
| | 6.9 | 9.8 | 7.1 | 10.0 |
| | 16.4 | 14.1 | 14.2 | 11.8 |
| Mutated NPM1, ^a % | 59.5 | 65.2 | 53.0 | 51.7 |
| FLT3-ITD/total FLT3 (VAF), % ≥3% to ≤25% >25% to ≤50% >50% >25% Unknown | 37.9 | 45.7 | 35.1 | 36.2 |
| | 50.9 | 45.7 | 53.4 | 50.9 |
| | 10.3 | 8.7 | 11.2 | 12.9 |
| | 61.2 | 54.3 | 64.6 | 63.8 |
| | 0.9 | 0 | 0.4 | 0 |
| WBC count at AML diagnosis, % <40×10 ⁹ /L ≥40×10 ⁹ /L | 49.1 | 63.0 | 50.4 | 50.6 |
| | 50.9 | 37.0 | 49.6 | 49.4 |
| FLT3-ITD MRD Negativity (0 cutoff) at the start of maintenance, b n/n (%) | 73/90 (81.1) | 64/80 (80.0) | NA | NA |
| FLT3-ITD MRD Negativity (0 cutoff) during maintenance, ^c n/n (%) | 67/74 (90.5) | 50/59 (84.7) | NA | NA |
| Median (range) time from randomization to start of maintenance, months | 7.28 (2.7-13.6) | 6.44 (3.7-16.7) | NA | NA |

^aNPM1 data are based on the Navigate central data. ^bMRD data collected at day 1 of maintenance cycle 1 and within 30 days before entering maintenance. °MRD data collected at cycle 4 day 1 of maintenance. AML, acute myeloid leukemia; ECOG PS, Eastern Cooperative Oncology Group performance status; *FLT3*-ITD, FMS-like tyrosine kinase 3-internal tandem duplication; ITT, intent-to-treat; MRD, measurable residual disease; NA, not applicable; NPM1, nucleophosmin 1; VAF, variant allele frequency;

OS in Patients Who Received Maintenance

• A total of 208 patients (quizartinib, n=116; placebo, n=92) received maintenance (**Figure 2**) Among these patients, quizartinib provided a numerical OS benefit over placebo, with an HR of 0.683, which compares numerically favorably with the HR of the primary OS analysis (0.78)¹ in all the ITT patient population (**Figure 2**)

Figure 2. OS in Patients Who Received Maintenance

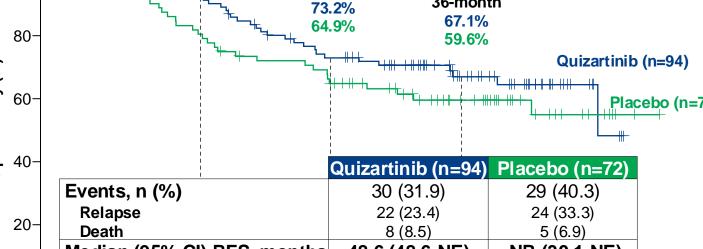


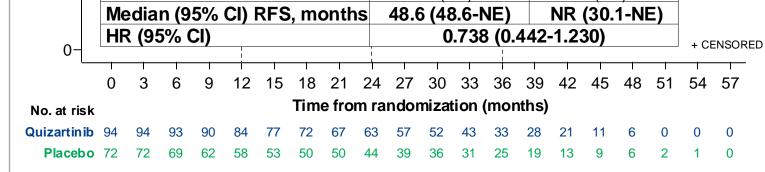
HR, hazard ratio; NE, not estimable; NR, not reached; OS, overall survival.

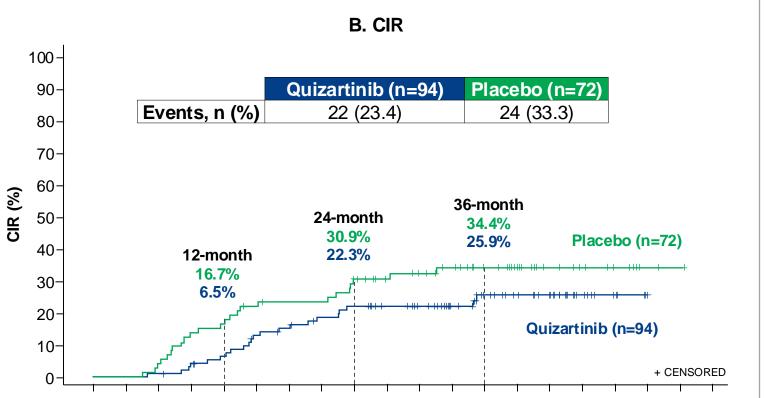
- **RFS and CIR in Patients Who Received Maintenance** • Among 166 patients (quizartinib, n=94; placebo, n=72) who achieved CR per IRC by the end of induction and received maintenance (**Figure 3**):
- RFS rates were numerically higher at 1, 2, and 3 years in the guizartinib arm versus the placebo arm, with an HR of 0.738, favoring quizartinib (Figure 3A) CIR rates were numerically lower at 1, 2, and 3 years in the quizartinib arm versus
- Similar trends of RFS and CIR were found in patients who achieved CRc per IRC by the end of induction and received maintenance

the placebo arm, favoring quizartinib (Figure 3B)

Figure 3. RFS and CIR in Patients Who Received Maintenance







Time from randomization (months)

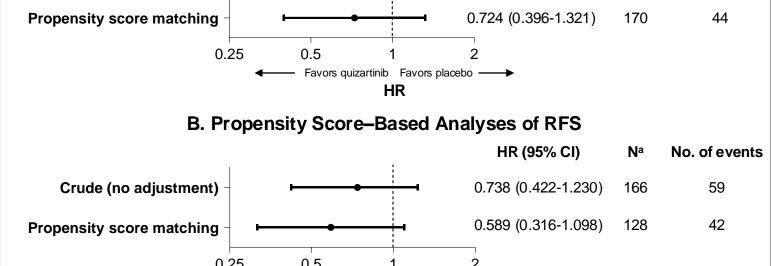
CIR, cumulative incidence of relapse; HR, hazard ratio; NE, not estimable; NR, not reached; RFS, relapse-free survival. Propensity Score–Based Analyses of OS and RFS in Patients Who Received

No. at risk

Maintenance

- These analyses were conducted to account for potential confounding factors and further understand the benefit of guizartinib in the maintenance phase • The propensity score-based analyses of OS (Figure 4A) and RFS (Figure 4B) in patients who received maintenance favored guizartinib over placebo
- All the statistical adjustments yielded similar results Figure 4. Propensity Score-Based Analyses of OS and RFS in Patients Who Received

A. Propensity Score–Based Analyses of OS Na No. of events



^aPatients who are matched using the propensity score matching are included. HR, hazard ratio; OS, overall survival;

Disposition of Patients Who Received Maintenance by Allo-HCT and by Treatment Arm

Favors quizartinib Favors placebo

 Of the 187 patients who had allo-HCT in consolidation, more patients in the guizartinib arm (71.4%) versus the placebo arm (55.1%) received maintenance (**Figure 5**) - More transplanted patients in the placebo arm versus the quizartinib arm (44.9% vs 28.6%) could not proceed to maintenance due to either relapse or failure to meet

- A similar proportion of patients who did not undergo allo-HCT in consolidation in the quizartinib arm (61.3%) and placebo arm (50.0%) proceeded to maintenance

Figure 5. Patients Who Received Maintenance by Allo-HCT and by Treatment Arm

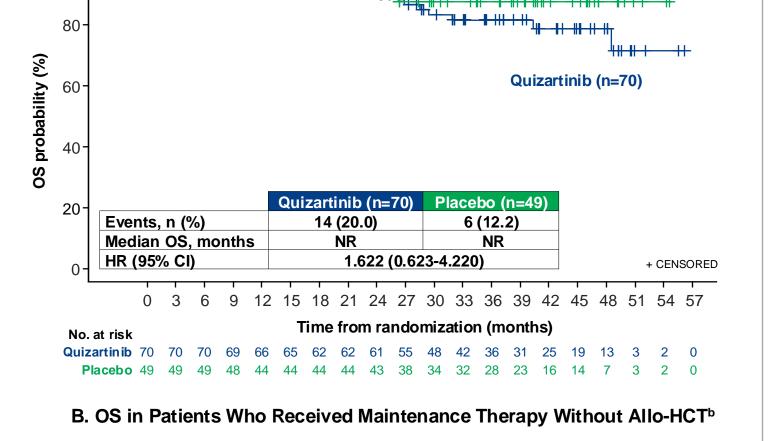
Sankey flow diagrams. The thickness of each flow path is proportional to the number of patients Allo-HCT, allogeneic hematopoietic cell transplantation

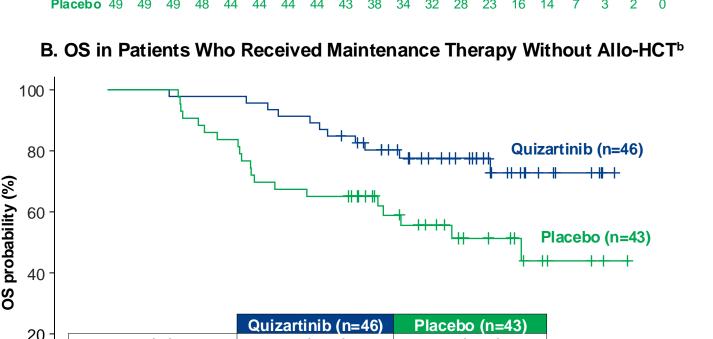
OS by Allo-HCT in Patients Who Received Maintenance Among 119 patients who underwent allo-HCT before receiving maintenance, a survival

- difference between arms was not demonstrated (Figure 6A) The number of transplanted patients proceeding to maintenance was different between arms (71.4% with quizartinib vs 55.1% with placebo; **Figure 5**) The number of OS events is limited, accounting for 16.8% of the 119 patients
- The 95% Cl of the HR is wide (at 0.623-4.220) Among 89 patients who received maintenance without prior allo-HCT, quizartinib provided an OS benefit over placebo with a 60% reduction in the risk of death (**Figure 6B**) - The number of patients in the 2 arms was similar, with a similar proportion of patients without allo-HCT in both arms proceeding to maintenance (Figure 5), and

Figure 6. OS in Patients Who Received Maintenance by Allo-HCT and by Treatment Arm A. OS in Patients Who Received Maintenance Therapy With Allo-HCT^a

the number of OS events accounts for 34.8% of the 89 patients (**Figure 6B**)





11 (23.9) 20 (46.5) 0.401 (0.192-0.838) 0 3 6 9 12 15 18 21 24 27 30 33 36 39 42 45 48 51 54 57 Time from randomization (months)

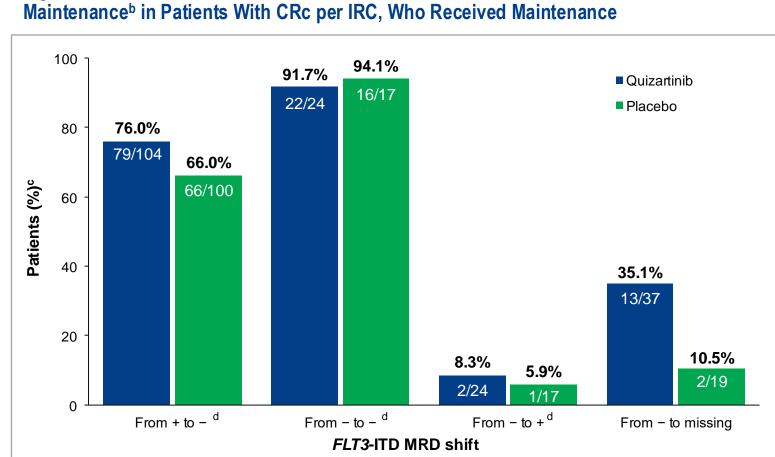
Includes protocol-specified allo-HCT. There were 6 patients who underwent allo-HCT during maintenance (4 in the quizartinib arm and 2 in the placebo arm); these 6 patients are included in this plot. Allo-HCT, allogeneic hematopoietic cell transplantation; HR, hazard ratio; NR, not reached; OS, overall survival.

Quizartinib 46 46 46 45 45 44 42 41 38 34 29 25 22 17 11 7 5 1 0 0

Placebo 43 43 43 39 36 31 29 28 28 23 18 15 12 10 7 4 3 1 0 0

MRD Status Shift in Patients Who Received Maintenance

- The rate of CRc patients who were MRD-positive by the end of induction and became MRD-negative in consolidation/maintenance was higher with guizartinib (76.0%) versus
- The rate of CRc patients who were MRD-negative by the end of induction and became MRD-positive in consolidation/maintenance was similar with guizartinib (8.3%) and placebo (5.9%; **Figure 7**) Among patients who were MRD-negative by the end of induction, more quizartinib-
- consolidation/maintenance (35.1% vs 10.5%; **Figure 7**) Figure 7. MRD Status Shift From the End of Induction^a to Consolidation/

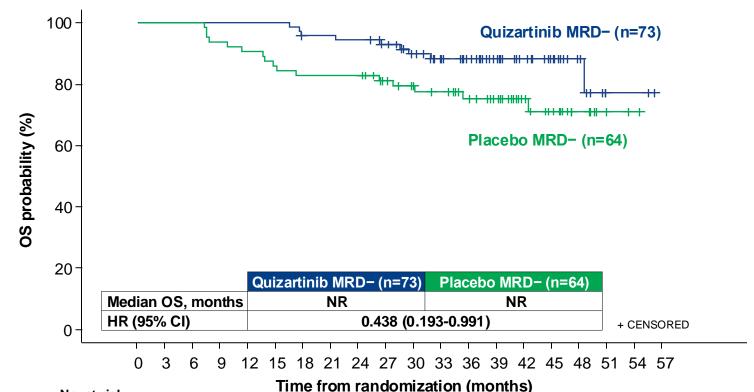


Especimens were collected in induction cycle 1, day 21, up to day 56, and/or in induction cycle 2, day 21, up to day 56. Specimens were collected in consolidation cycle 1, day 21, in the last consolidation cycle, day 21, in maintenance cycle 1, day 1, and/or in maintenance cycle 4, day 1. Denominators for percentages are the number of patients achieving CRc by the end of induction in the intent-to-treat population. ^dDenominators exclude patients with missing MRD data. CRc, composite complete remission; FLT3-ITD, FMS-like tyrosine kinase 3-internal tandem duplication; IRC, independent review committee; MRD, measurable residual disease.

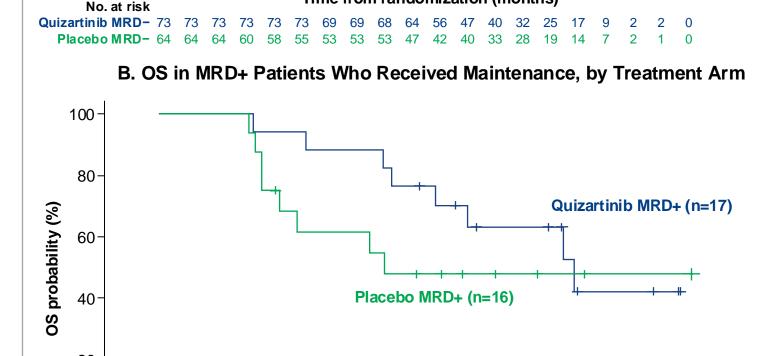
OS by MRD Status in Patients Who Received Maintenance

 Of the 208 patients who received maintenance, the MRD status within 30 days before entering maintenance was available for 170 (quizartinib, n=90; placebo, n=80) The HR for OS favored quizartinib versus placebo in 137 MRD-negative patients (0.438; 95% CI, 0.193-0.991; **Figure 8A**) and numerically favored guizartinib in 33 MRD-positive patients (0.606; 95% CI, 0.225-1.633; **Figure 8B**)

Figure 8. OS in Patients Who Received Maintenance by MRD Status



A. OS in MRD- Patients Who Received Maintenance, by Treatment Arm



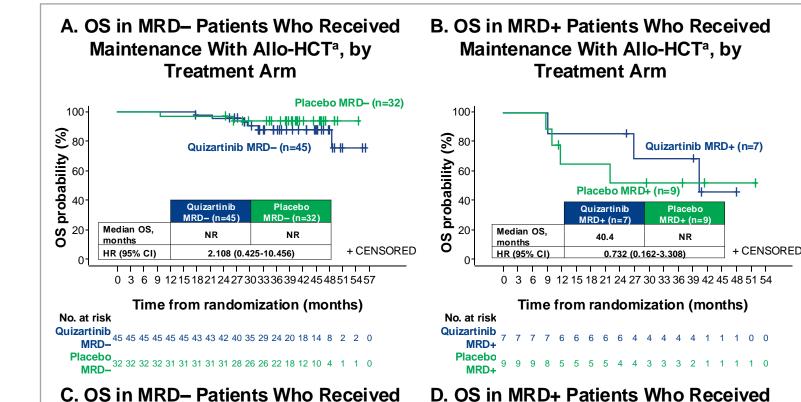
Time from randomization (months) Placebo MRD+ 16 16 16 15 10 9 9 8 7 6 4 3 3 2 1 1 1 1 0

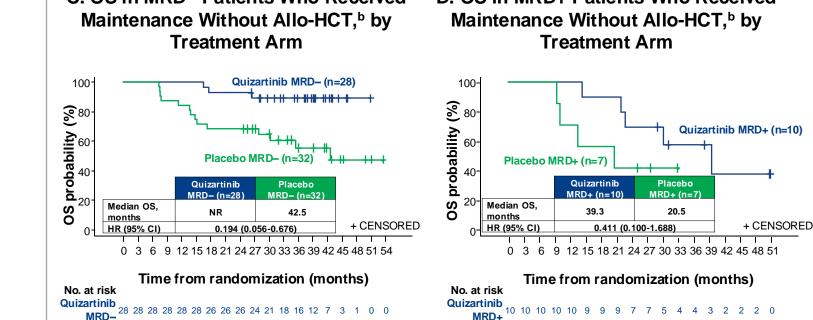
HR, hazard ratio; NR, not reached; MRD, measurable residual disease; OS, overall survival.

OS by MRD Status and by Allo-HCT in Patients Who Received Maintenance • The benefit provided by quizartinib, regardless of MRD status, in patients who received maintenance was more evident in those without allo-HCT (Figure 9). The HR for OS among patients without allo-HCT was 0.194 (95% Cl. 0.056-0.676) in MRD-negative patients (quizartinib, n=28; placebo, n=32; **Figure 9C**) and was 0.411 (95% Cl, 0.100-

zartinib MRD+ (n=17) Placebo MRD+ (n=16

1.688) in MRD-positive patients (quizartinib, n=10; placebo, n=7; **Figure 9D**) Figure 9. OS in Patients Who Received Maintenance by MRD Status and by Allo-HCT Status





^aIncludes protocol-specified allo-HCT. ^bThere were 6 patients who underwent allo-HCT during maintenance (4 in the quizartinib arm and 2 in the placebo arm): these 6 patients are included in panels C and D. Allo-HCT, allogeneic hematopoietic cell transplantation; HR, hazard ratio; NR, not reached; MRD, measurable residual disease; **Exposure**

7 7 7 5 4 4 3 3 2 1 0 0 0 0 0 0

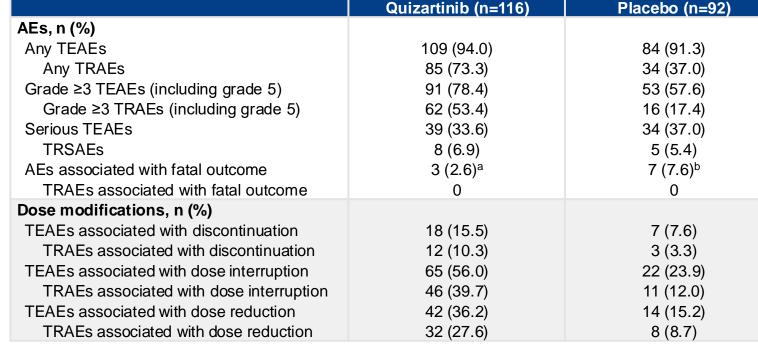
The exposure during maintenance was similar in the 2 treatment arms, with a median treatment duration of 1.3 years and with over 60% of the patients receiving ≥12 cycles. in both arms (Table 2) **Table 2. Exposure During Maintenance**

| | (n=92) |
|-------------------|-------------------|
| 16 (1-36) | 17 (1-36) |
| 67.36 (0.4-164.1) | 67.71 (0.3-150.4) |
| 75 (64.7) | 59 (64.1) |
| | 67.36 (0.4-164.1) |

Overall Safety During Maintenance

Placebo 32 32 32 28 27 24 22 22 22 19 16 14 11 10 7 4 3 1 0

 Rates of grade ≥3 treatment-emergent AEs (TEAE) and drug-related AEs were more common in the quizartinib arm versus placebo during maintenance (**Table 3**) Rates of AEs leading to dose interruptions and dose reductions were more common with quizartinib versus placebo during maintenance (**Table 3**)



AE, adverse event; GI, gastrointestinal; GVHD, graft versus host disease; TEAE, treatment-emergent adverse event; TRAE, treatment-related adverse event; TRSAE, treatment-related serious adverse event.

TEAEs During Maintenance • The most common (≥15%) TEAEs of all grades during maintenance were: Neutropenia (36.2%), nausea (23.3%), diarrhea (20.7%), thrombocytopenia (17.2%), upper respiratory tract infection (17.2%), anemia (16.4%), and cough

Pyrexia and arthralgia (17.4% each) in the placebo arm (**Table 4**)

(16.4%) in the guizartinib arm (**Table 4**)

| TEAEs, % | Quizartin | Quizartinib (n=116) | | Placebo (n=92) | |
|-----------------------------------|------------------------|---------------------|------------------------|----------------|--|
| | All grade ^a | Grade ≥3 | All grade ^a | Grade ≥3 | |
| Any TEAEs | 109 (94.0) | 91 (78.4) | 84 (91.3) | 53 (57.6) | |
| Neutropenia | 42 (36.2) | 36 (31.0) | 6 (6.5) | 4 (4.3) | |
| Nausea | 27 (23.3) | 2 (1.7) | 8 (8.7) | 1 (1.1) | |
| Diarrhea | 24 (20.7) | 3 (2.6) | 10 (10.9) | 1 (1.1) | |
| Thrombocytopenia | 20 (17.2) | 10 (8.6) | 8 (8.7) | 4 (4.3) | |
| Upper respiratory tract infection | 20 (17.2) | 1 (0.9) | 9 (9.8) | 0 | |
| Anemia | 19 (16.4) | 6 (5.2) | 4 (4.3) | 2 (2.2) | |
| Cough | 19 (16.4) | 1 (0.9) | 11 (12.0) | 0 | |
| Neutrophil count decreased | 17 (14.7) | 14 (12.1) | 4 (4.3) | 0 | |
| Vomiting | 17 (14.7) | 0 | 7 (7.6) | 0 | |
| Pyrexia | 16 (13.8) | 0 | 16 (17.4) | 2 (2.2) | |
| Arthralgia | 13 (11.2) | 0 | 16 (17.4) | 0 | |

CONCLUSIONS

^aThe 15% threshold is based on all-grade TEAEs.

TEAE, treatment-emergent adverse event.

Quizartinib is part of a treatment regimen that includes induction, consolidation, and maintenance For the entire study population, in patients who received maintenance, a numerically longer OS, higher RFS rates, and lower CIR rates were observed for those treated with guizartinib More patients in the guizartinib arm could proceed to maintenance versus placebo, especially in those who underwent transplantation Among the transplanted patients, a survival difference between arms was not demonstrated

the Kaplan-Meier OS curves for guizartinib and placebo overlapped, with a wide CI and a

- limited number of OS events Among the patients who received maintenance but did not undergo transplantation, quizartinib provided an OS benefit over placebo Quizartinib provides continuous clinical benefit from induction to consolidation through
- maintenance, regardless of MRD status, with an acceptable and manageable safety profile These data indicate that quizartinib-treated patients may achieve deeper and longer remission versus placebo-treated patients This exploratory analysis in patients who received maintenance together with the positive benefit-
- risk profile in the ITT population support the use of guizartinib in patients with newly diagnosed FLT3-ITD-positive AML, across the whole treatment regimen

REFERENCES

- Erba HP, et al. Lancet. 2023;401(10388):1571-1583. Schlenk RF, et al. *Blood*. 2022;140(suppl 1):2130-2132. VANFLYTA® (quizartinib) package insert. Daiichi Sankyo, Inc.; 2023. Accessed January 24, 2024. https://daiichisankyo.us/prescribing-information-portlet/getPIContent?productName=Vanflyta&inline=true.
- Daiichi Sankyo, Inc. VANFLYTA® first FLT3 inhibitor approved in the U.S. specifically for patients with newly diagnosed FLT3-ITD positive AML. Press release. July 20, 2023. Accessed January 24, 2024. https://www.daiichisankyo.com/files/news/pressrelease/pdf/202307/20230720_E.pdf. VANFLYTA® (quizartinib) summary of product characteristics. Daiichi Sankyo, Inc.; 2023. Accessed January 24, 2024. https://www.ema.europa.eu/en/documents/product-information/vanflyta-epar-product-information_en.pdf.
- Daiichi Sankyo, Inc. VANFLYTA® approved in the EU as the first FLT3 inhibitor specifically for patients with newly diagnosed FLT3-ITD positive AML. Press release. November 9, 2023. Accessed January 24, 2024. https://www.daiichisankyo.com/files/news/pressrelease/pdf/202311/20231109_E.pdf. VANFLYTA® (quizartinib) summary of product characteristics. Daiichi Sankyo UK Ltd.; 2024. Accessed May 24, 2024. 8. Medicines and Healthcare products Regulatory Agency. Quizartinib approved to treat adult patients with a type of blood cancer. Press release. March 11, 2024. Accessed May 24, 2024. https://www.gov.uk/government/news/guizartinib-
- Daiichi Sankyo, Inc. VANFLYTA® first FLT3 inhibitor approved in Japan for patients with newly diagnosed FLT3-ITD positive AML. Press release. May 25, 2023. Accessed January 24, 2024. https://www.daiichisankyo.com/files/news/pressrelease/pdf/202305/20230525_E.pdf. 10. Schemper M, et al. Control Clin Trials. 1996;17(4):343-346.

approved-to-treat-adult-patients-with-a-type-of-blood-cancer.

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DISCLOSURES

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