OVERALL SURVIVAL AND LONG-TERM SAFETY WITH RIPRETINIB VS SUNITINIB IN PATIENTS WITH ADVANCED GASTROINTESTINAL STROMAL TUMOR PREVIOUSLY TREATED WITH IMATINIB: FINAL ANALYSES FROM INTRIGUE



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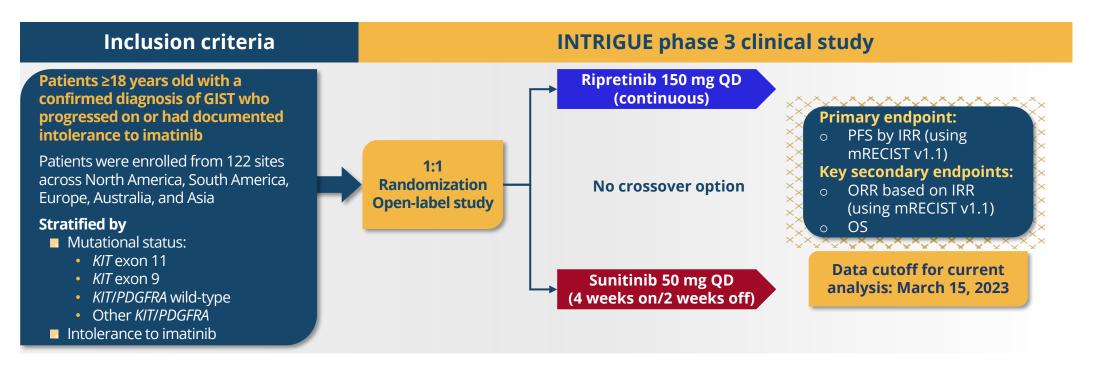
Introduction: the INTRIGUE trial

- INTRIGUE (NCT03673501) is a randomized, open-label, global, multicenter phase 3 study comparing ripretinib vs sunitinib in patients with advanced GIST who had disease progression on or were intolerant to first-line treatment with imatinib¹
- Ripretinib is a switch-control *KIT/PDGFRA* tyrosine kinase inhibitor approved for patients with GIST who received prior treatment with 3 or more kinase inhibitors, including imatinib^{2,3}
- Sunitinib is the approved second-line therapy for patients with advanced GIST following progression on or intolerance to imatinib⁴
- In the INTRIGUE trial, the primary endpoint of superior PFS with ripretinib over sunitinib was not met:
 - In the *KIT* exon 11 ITT population (n = 327), ripretinib demonstrated a median PFS of 8.3 months compared with 7.0 months for sunitinib (HR, 0.88; P = 0.36)
 - In the AP ITT population (N = 453), the median PFS with ripretinib was 8.0 months compared with 8.3 months for sunitinib (HR, 1.05; nominal P = 0.72)
- At the time of primary analysis of PFS in the INTRIGUE trial, the first IA for OS was conducted:
 - The OS event rates for both the AP ITT and KIT exon 11 ITT populations were immature (22.3% and 21.1%, respectively), and the median OS was not reached in either arm for either population¹
- In the second IA of OS, the event rate was 41% in both ITT populations, with no significant differences in OS between treatment arms⁵
- Ripretinib had a more favorable safety profile with fewer grade 3/4 TEAEs than sunitinib1
- Here, we present the final OS analysis and updated safety profile as well as exploratory PFS on next line of therapy from the INTRIGUE trial

AP, all patient; GIST, gastrointestinal stromal tumor; HR, hazard ratio; IA, interim analysis; ITT, intention-to-treat; OS, overall survival; PDGFRA, platelet-derived growth factor receptor α; PFS, progression-free survival; TEAE, treatment-

¹⁾ Bauer S, et al. J Clin Oncol. 2022;40:3918-28. 2) Blay JY, et al. Lancet Oncol. 2020;21:923-34. 3) QINLOCK. Prescribing information. Deciphera Pharmaceuticals, LLC; 2023. 4) SUTENT. Prescribing information. Pfizer Laboratories; 2021. 5) Jones RL, et al. J Clin Oncol. 2023;41(suppl 16):11524.

Study design and patient disposition



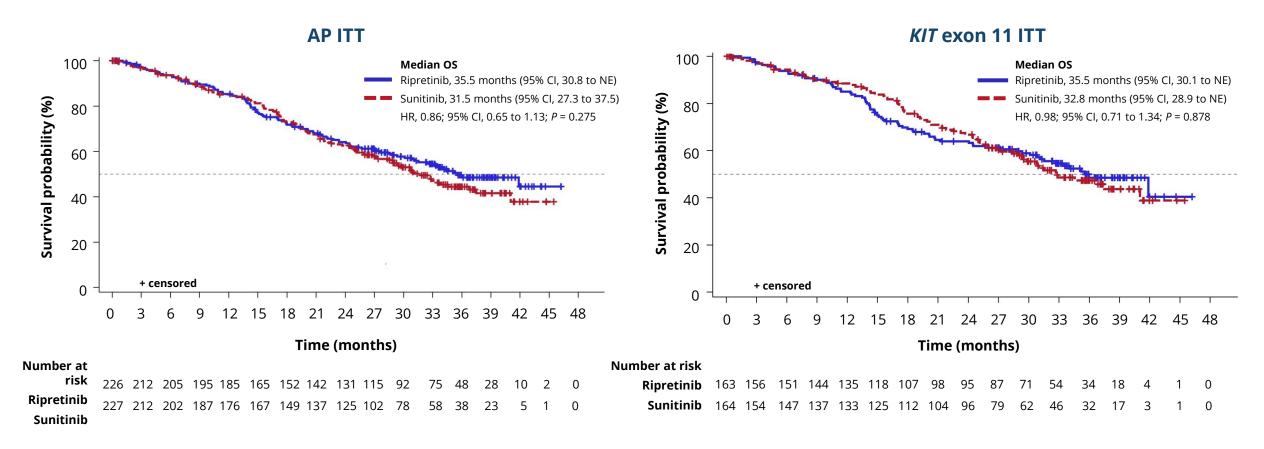
- Of the 453 patients who were randomized, 444 received treatment
- Overall, 40 of 444 treated patients (9.0%; AP ITT population) remained on treatment at the time of data cutoff: 28/223 (12.6%) on ripretinib and 12/221 (5.4%) on sunitinib
- The most common reasons for treatment discontinuation in the AP ITT population were PD as determined by IRR (56.1%), PD assessed by investigator (10.8%), clinical PD (6.1%), withdrawal of consent (5.6%), and AEs (4.7%)
 - Fewer patients discontinued treatment due to an AE for ripretinib vs sunitinib (3.1% vs 6.3%)

Mutational status used for randomization was based on local pathology reports at the time of randomization.

AE, adverse event; AP, all patient; GIST, gastrointestinal stromal tumor; IA, interim analysis; IRR, independent radiological review; ITT, intention-to-treat; mRECIST v1.1, modified Response Evaluation Criteria in Solid Tumors version 1.1; ORR, objective response rate; OS, overall survival; PD, progressive disease; PDGFRA, platelet-derived growth factor receptor α; PFS, progression-free survival; QD, once daily; TEAE, treatment-emergent AE.

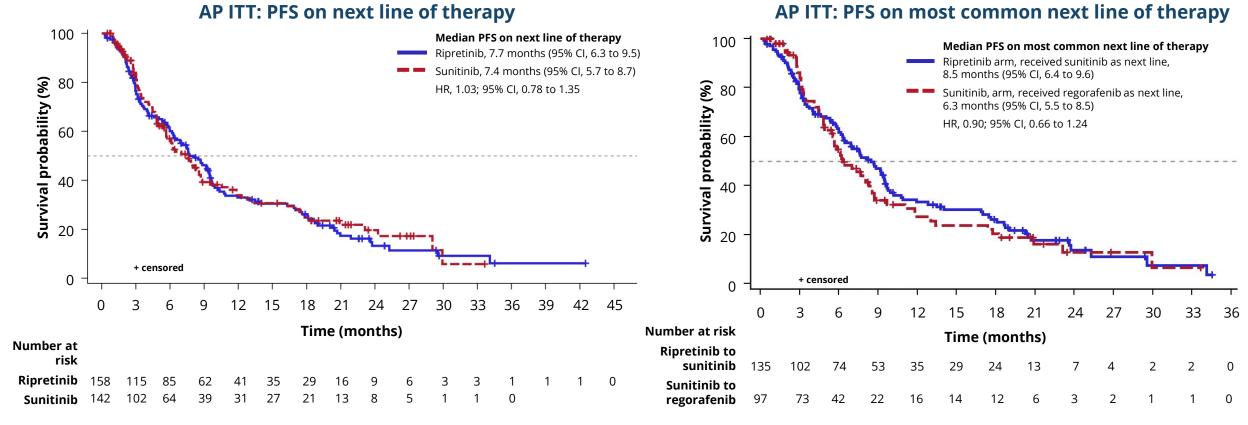
Final OS

- There were 211 OS events (46.6%) in the AP ITT population; median duration of follow-up in the ripretinib and sunitinib arms were 35.1 (95% CI, 33.3 to 36.5) and 34.1 months (95% CI, 32.1 to 35.6), respectively
- OS was similar with ripretinib vs sunitinib in the AP ITT and KIT exon 11 ITT populations



PFS on next line of therapy

- PFS on next line of therapy by randomized treatment assignment was similar for ripretinib vs sunitinib in the AP ITT population
- Patients in the ripretinib arm who received third-line sunitinib (59.7%) had a median PFS on next line of therapy of 8.5 months compared with 6.3 months for patients in the sunitinib arm who received third-line regorafenib (42.7%)



PFS on next line of therapy is defined as the time interval between the date of first nonprotocol drug therapy, and disease progression on this drug therapy is based on the local assessment or death due to any cause, whichever comes first.

AP, all patient; CI, confidence interval; HR, hazard ratio; ITT, intention-to-treat; PFS, progression-free survival.

Safety

- The long-term safety profile was consistent with the primary analysis; fewer patients had grade 3/4 TEAEs with ripretinib vs sunitinib, and dose interruptions and reductions as well as treatment discontinuations due to TEAEs were lower with ripretinib vs sunitinib
- The median (range) treatment duration was 7.9 (0.2–43.3) months for ripretinib and 6.5 (0.2–44.7) months for sunitinib

	Ripretinib	Sunitinib	Total
Patients with	n = 223	n = 221	N = 444
Any TEAE ^a	221 (99.1)	219 (99.1)	440 (99.1)
Any grade 3/4 TEAE	96 (43.0)	149 (67.4)	245 (55.2)
Any drug-related TEAE ^b	211 (94.6)	214 (96.8)	425 (95.7)
Any grade 3/4 drug-related TEAE	61 (27.4)	128 (57.9)	189 (42.6)
Any treatment-emergent SAE	64 (28.7)	61 (27.6)	125 (28.2)
Any drug-related treatment-emergent SAE	19 (8.5)	22 (10.0)	41 (9.2)
Any TEAE leading to dose reduction	45 (20.2)	107 (48.4)	152 (34.2)
Any TEAE leading to dose interruption	70 (31.4)	95 (43.0)	165 (37.2)
Any TEAE leading to study treatment discontinuation	11 (4.9)	20 (9.0)	31 (7.0)
Any TEAE leading to death	6 (2.7)	8 (3.6)	14 (3.2)
Any drug-related TEAE leading to death	0	1 (0.5)	1 (0.2)

Data are shown as n (%).

^aTEAEs are defined as any AE that occurs after administration of the first dose of study drug and through 30 days after the last dose of study drug or the day before the start of subsequent new anticancer drug therapy, whichever occurs first. Drug-related AEs reported ≥30 days after the last dose of study drug are also considered TEAEs.

Drug-related TEAEs are defined as those related or possibly related to study drug as assessed by the investigator. Any AE with missing relationship to study drug will be counted as related to study drug. AE, adverse event; SAE, serious AE; TEAE, treatment-emergent AE.

Conclusions

- With 18 months of additional follow-up from the primary analysis, OS was similar between treatment arms in both the AP ITT and *KIT* exon 11 ITT populations
- PFS on next line of therapy was comparable between treatment arms, suggesting that third-line treatment efficacy was not adversely affected by receiving ripretinib in the second-line setting
- Safety remained consistent with the primary analysis; ripretinib demonstrated a favorable safety profile compared with sunitinib for patients with advanced GIST previously treated with imatinib