SEQUOIA 5-year Follow-up (Arm C): Zanubrutinib in Patients with del(17p) and Treatment-Naive CLL/SLL

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Disclosures for Talha Munir

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Introduction

- Zanubrutinib is a highly potent and selective next-generation BTK inhibitor that was designed to provide complete and sustained target inhibition and is the only BTK inhibitor to demonstrate superiority over ibrutinib in a head-to-head phase 3 trial¹⁻⁴
- Zanubrutinib has continuous exposure coverage above its IC50 compared with ibrutinib and acalabrutinib
 which is expected to lead to more sustained and complete BTK inhibition to improve efficacy⁵

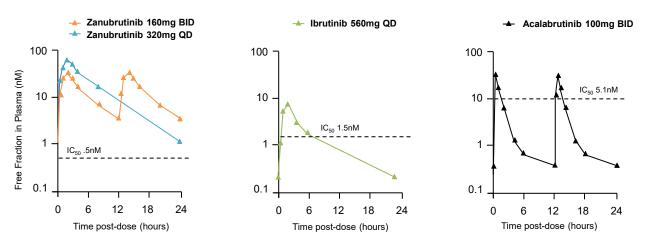
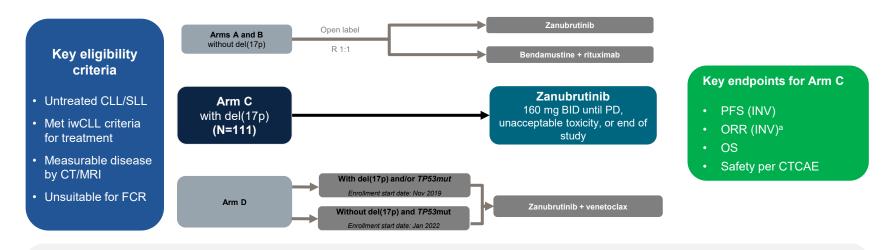


Figure adapted from: Tam CS et al. Expert Rev Clin Pharmacol. 2021;14(11):1329-1344

Introduction

- SEQUOIA (NCT03336333) is a registrational phase 3, open-label, randomized study that evaluated zanubrutinib in broad range of TN CLL patients, including those with high-risk features¹⁻³
 - In Arms A and B, zanubrutinib monotherapy (Arm A) demonstrated superior PFS compared with bendamustine + rituximab (Arm B) in patients without del(17p) at 26.2-month follow-up and sustained PFS benefit at 5-year follow-up (Arm A: 75.8%)^{1,2}
 - Recently published results for Arm D showed that zanubrutinib + venetoclax combination demonstrated robust efficacy with deep and durable responses, including a large subgroup with del(17p) and/or TP53 mutation and another without del(17p) and TP53 mutation⁴
- Here, we present updated results from SEQUOIA Arm C after approximately 5 years of follow-up in a historically difficult to treat del(17p) patient population

SEQUOIA Study Design



Assessments for Arm C:

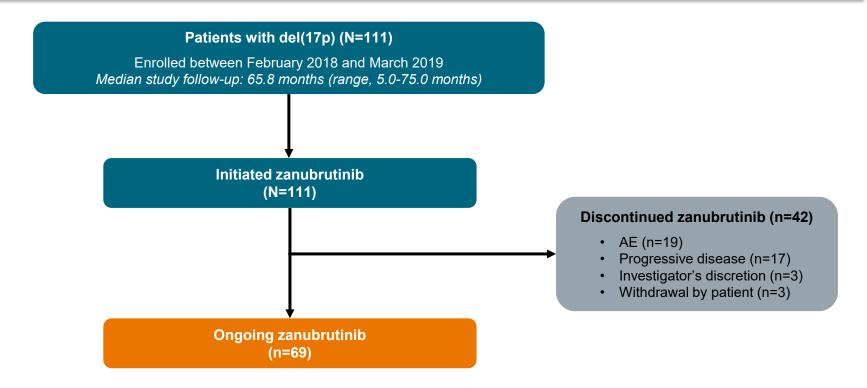
- Sensitivity analyses were performed for PFS and OS with deaths due to COVID infection, censored at the time of death if no prior progression
 was observed
- · Response assessments were performed every 12 weeks after the first dose of study drug for 96 weeks, then every 24 weeks until PD
- Adverse events were graded by CTCAE version 4.03 and documented from the time of first dose of study drug, until 30 days after the last dose of study drug, or until PD (whichever occurred later), or until the first day of a new CLL/SLL treatment

1. Hallek M, et al. Blood. 2008;111(12):5446-56; 2. Cheson BD, et al. J Clin Oncol. 2012;30(23):2820-2822; 3. Cheson BD, et al. J Clin Oncol. 2014;32(27):3059-3967.

^aResponses were assessed by investigator per the 2008 iwCLL guidelines¹ with modification for treatment-related lymphocytosis² for patients with CLL and per Lugano criteria³ in patients with SLL. ORR was defined as achievement of PR-L or better.

BID, twice daily; CT, computed tomography; CLL, chronic lymphocytic leukemia; CTCAE, Common Terminology Criteria for Adverse Events; FCR, fludarabine, cyclophosphamide, and rituximab; INV, investigator-assessed; iwCLL, International Workshop on Chronic Lymphocytic Leukemia; MRD, minimal residual disease; MRI, magnetic resonance imaging; Mut, mutation; ORR, overall response rate; OS, overall survival; PD, progressive disease; PFS, progression-free survival; PR-L, partial response with lymphocytosis; R, randomized; SLL, small lymphocytic lymphoma.

Patient Disposition



Baseline Demographics and Clinical Characteristics

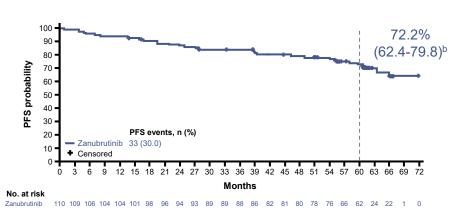
	All patients
Baseline characteristics	(N=111)
Age, median (range), years	71 (42-87)
≥65 years, n (%)	95 (85.6)
Male, n (%)	79 (71.2)
ECOG PS 0/1, n (%)	97 (87.3)
CLL, n (%)	100 (90.1)
SLL, n (%)	11 (9.9)
Binet stage C, n (%) ^a	37 (37.0)
Bulky disease, n (%)	
LDi ≥5 cm	44 (39.6)
LDi ≥10 cm	12 (10.8)
Median time from initial diagnosis, months	21.39
TP53 mutated, n (%)	47 (42.3)
del(17p), n (%)	110 (99.1)
del(17p) and <i>TP53</i> mutated, n (%)	47 (42.3)
IGHV mutated, n (%)	36 (32.4)
IGHV unmutated, n (%)	67 (60.4)
Complex karyotype, n (%)	
≥3 abnormalities	31 (27.9)
≥5 abnormalities	21 (18.9)

^aBinet stage was assessed at study entry for patients with CLL.

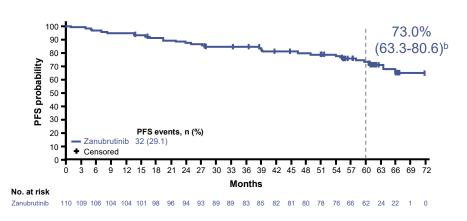
Progression-Free Survival

Median PFS was not reached with zanubrutinib



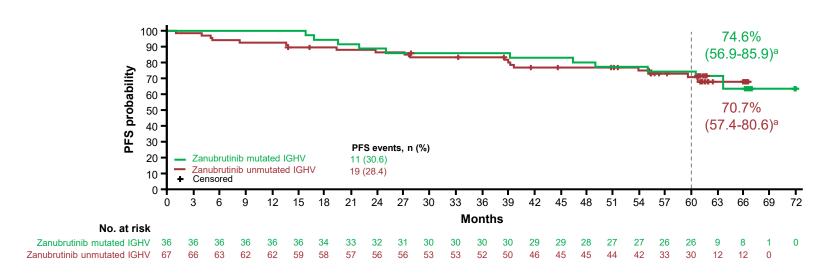


PFS with COVID-19 adjustment^a



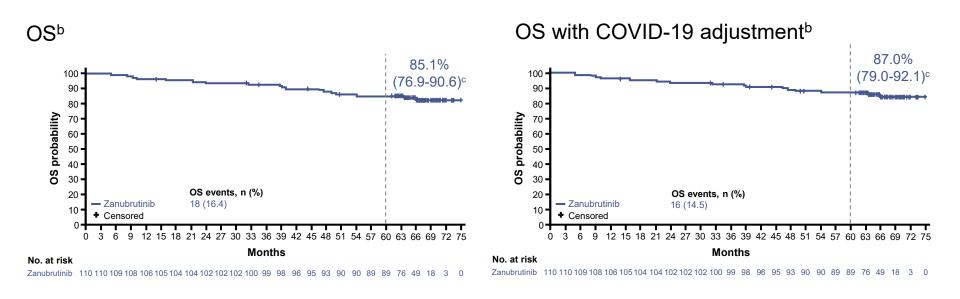
Progression-Free Survival by IGHV Mutation Status

PFS with mutated and unmutated IGHV



Overall Survival

Median OS was not reached with zanubrutinib and 18 deaths occurred during the study^a



^aDue to adverse event (n=6), progressive disease (n=5), other (n=3), or unknown (n=4). Reasons for death due to 'Other' included events of infections occurring outside of the adverse event report period.

^bData presented in patients with del(17p), confirmed by central laboratory (N=110). ^c95% CI values. OS. overall survival.

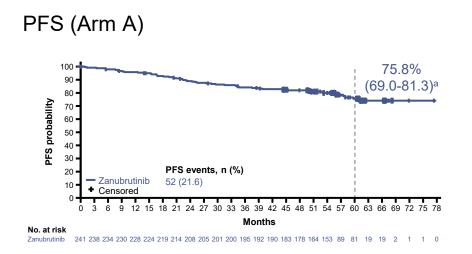
ORR and CR+CRi Rates

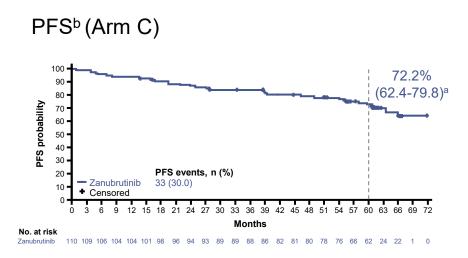
	Zanubrutinib (N=110) ^a
ORR, n (%)	107 (97.3)
Best overall response, n (%)	
CR/CRi rate	20 (18.2)
nPR	3 (2.7)
PR	84 (76.4)
PR-L	0
SD	2 (1.8)
PD	1 (0.9)

^aPatients with del(17p), confirmed by central laboratory.

Consistent Outcomes Regardless of Del(17p) Status

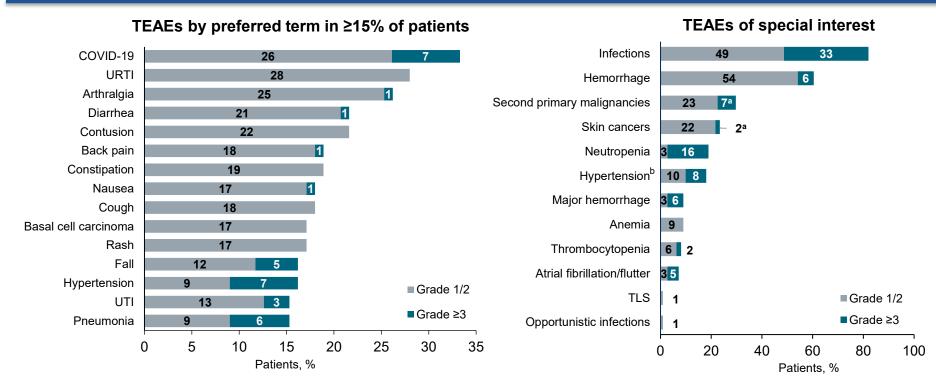
The estimated 60-month PFS rate was similar to that seen in patients without del(17p)¹





The CR/CRi rate with zanubrutinib was 18.2%, similar to that seen in patients without del(17p) at 20.7%¹

No New Safety Signals were Identified with Zanubrutinib



AEs led to death in 6 patients (5.4%)

Conclusions

- SEQUOIA Arm C reports on the largest prospective cohort of uniformly treated patients with del(17p) TN CLL/SLL
- With a median follow-up of 5-years, zanubrutinib demonstrates durable efficacy in patients with del(17p)
 - The estimated 60-month PFS with zanubrutinib was 72.2%, similar to that observed in patients without del(17p)¹, highlighting that zanubrutinib overcomes the negative prognostic impact of del(17p)
 - The CR/CRi rate with zanubrutinib was 18.2%, similar to that seen in patients without del(17p)¹
- The benefit of zanubrutinib in patients with del(17p) was also demonstrated in the phase 3 ALPINE study, which demonstrated PFS superiority of zanubrutinib over ibrutinib²
- Zanubrutinib remains a valuable frontline treatment option for patients with CLL/SLL with or without del(17p)



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