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- Sonrotoclax + zanubrutinib combination treatment had a tolerable safety profile in patients with R/R CLL/SLL at all dose levels tested up to 640 mg
 - No TLS (laboratory or clinical) was observed
 - The most commonly reported TEAE was neutropenia, which was mostly transitory, with no cases of febrile neutropenia, and did not require sonrotoclax dose reductions
- With a median follow-up of 32 months, substantial efficacy was observed in this R/R CLL/SLL population, including patients with high-risk features
 - The combination of sonrotoclax + zanubrutinib demonstrated a high response rate, including 100% ORR, with a CR/CRi rate of 48% at 320 mg
 - High and early blood uMRD4 was seen by week 24 of combination therapy, and deepened over time
 - Thirteen patients electively discontinued treatment and continue to remain in remission as of the data cutoff date
- These preliminary data highlight the potential for CLL-oral, time-limited therapy with sonrotoclax + zanubrutinib in patients with R/R CLL to drive meaningful disease control, regardless of del(17p) and/or TP53 mutation status

- Most treated patients with chronic lymphocytic leukemia/small lymphocytic lymphoma (CLL/SLL) experienced disease relapse,¹ necessitating further treatment with novel agents
- Sonrotoclax (BGB-11417), a next-generation BCL2 inhibitor, is a more selective and pharmacologically potent inhibitor of BCL2 than venetoclax, with a shorter half-life and no drug accumulation²
- 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 trial³
- Fixed-duration therapies are emerging as a new treatment option⁴; however, there are no approved BCL2 inhibitor + BTK inhibitor regimens for patients with relapsed/refractory (R/R) CLL/SLL
- Here, updated safety and efficacy data, including preliminary results from time-limited therapy, are presented for patients with R/R CLL/SLL treated with sonrotoclax + zanubrutinib in the ongoing BGB-11417-101 study

- BGB-11417-101 is a global phase 1/1b study of sonrotoclax as monotherapy, or in combination ± zanubrutinib, and ± obinutuzumab in patients with B-cell malignancies
- For the R/R CLL/SLL cohort, treatment consists of 8-12 weeks of zanubrutinib lead-in (320 mg once daily or 160 mg twice daily), then zanubrutinib + sonrotoclax until disease progression, intolerance, or elective discontinuation (**Figure 1**)
- Patients who reach 96 weeks of combination treatment may elect to stop study drug treatment while remaining on study and following all procedures (protocol-defined elective discontinuation)
- The primary endpoints are safety per NCI-CTCAE v5.0, maximum tolerated dose (MTD), and recommended phase 2 dose (RP2D); overall response rate (ORR) per iwCLL 2018 criteria and undetectable measurable residual disease (uMRD) in blood by standardized ERIC flow cytometry assay every 24 weeks are secondary and exploratory endpoints

*The safety monitoring committee reviewed dose-level cohort data before dose escalation.

Abbreviations: CLL/SLL, chronic lymphocytic leukemia/small lymphocytic lymphoma; MCL, mantle cell lymphoma; R/R, relapsed/refractory; TN, treatment naïve.

^aDue to intracranial hemorrhage. ^bDiscontinued sonro and zanu due to myelodysplastic syndrome and meningococcal sepsis, n=1 each. ^cDiscontinued sonro and zanu due to plasma cell myeloma. ^dCOVID-19. ^eReduced zanu during lead-in due to neutropenia, n=1; COVID-19, n=1. ^fReduced sonro and zanu due to COVID-19, n=1. ^gDue to cellulitis.

Abbreviations: sonro, sonrotocic; TEAE, treatment-emergent adverse event; zanu, zanubrutinib.

Abbreviations: RP2D, recommended phase 2 dose; TEAE, treatment-emergent adverse event; URTI, upper respiratory tract infection.

*Responses were assessed per 2008 iWLL criteria and percentage of response is based on number of patients who had ≥1 post-baseline tumor assessment after sonorotoclax dosing. ^aORR = PR+L or better. ^bFor all patients at (n=47).

Abbreviations: BTK, Bruton tyrosine kinase; CR, complete response; ORR, overall response rate; PR, partial response; PR-L, PR with lymphocytosis; SD, stable disease; sonro, sonorotoclax; zanu, zanubrutinib.

- Data cutoff:** March 1, 2025.
- *Measured by an ERIC-approved flow cytometry method with 10^4 sensitivity. uMRD4 defined as $<10^4$ CLL cells of total WBCs. MRD4+ defined as $\geq 10^4$ CLL cells of total WBCs. MRD is best reported within a 2-week window following the week 24/week 48/week 72/week 96 day 1 MRD assessments. *Weeks 24, 48, 72, and 96 of treatment at target dose, following zanu monotherapy and sonno ramp-up to target dose. All "MRD-evaluable set includes patients with ≥ 1 post-baseline MRD sample or disease progression or death prior to MRD assessment, excluding those with baseline MRD level $<10^4$.
- Abbreviations:** CLL, chronic lymphocytic leukemia; MRD, measurable residual disease; NE, not evaluable; sonno, sonotocic; uMRD, undetectable MRD; WBC, white blood cell; zanu, zanubrutinib.

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