

Zanubrutinib + Obinutuzumab + Sonrotoclax in Patients With Treatment-Naive CLL/SLL: Initial Results From an Ongoing Phase 1/1b Study, BGB-11417-101

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CONCLUSIONS

- Combination therapy with zanubrutinib + obinutuzumab + sonrotoclax 320 mg was well tolerated by patients with TN CLL/SLL
 - No deaths or discontinuations of any study drug due to TEAEs were observed, and no laboratory or clinical TLS occurred during sonrotoclax ramp-up
- Substantial efficacy was observed, with a 100% ORR
- 100% of patients with an available cycle 15 blood MRD assessment by NGS achieved uMRD5, discontinued treatment per protocol, and remain in remission (median time off treatment, 5.5 months [range, 3.4-8.5 months])
- With a median study follow-up of approximately 18.0 months, no PFS events have occurred, indicating the potential for zanubrutinib + obinutuzumab + sonrotoclax to provide deep and durable remission in TN patients with CLL/SLL
- This combination is being further evaluated in a phase 2 investigator-initiated trial (NCT06849713)

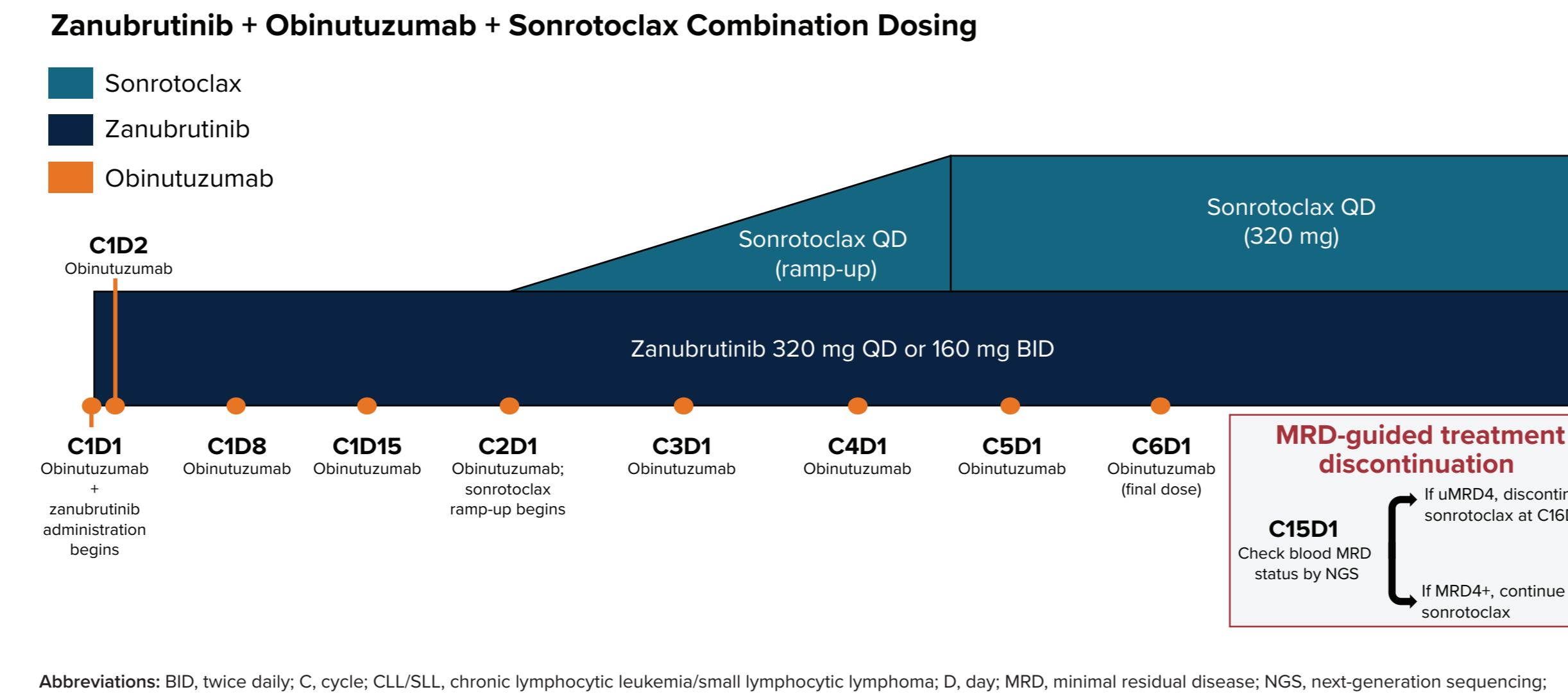
INTRODUCTION

- Combination therapy with zanubrutinib, obinutuzumab, and venetoclax has demonstrated efficacy in patients with treatment-naive (TN) chronic lymphocytic leukemia/small lymphocytic lymphoma (CLL/SLL), including those with high-risk disease features¹
- Zanubrutinib is highly effective in patients with TN and relapsed/refractory (R/R) CLL/SLL, regardless of risk factors^{2,3}
 - Zanubrutinib has shown superior progression-free survival (PFS) and favorable safety/tolerability compared with ibrutinib, including fewer cardiac adverse events, in patients with R/R CLL/SLL⁴
- Sonrotoclax (BGB-11417), a next-generation B-cell lymphoma 2 (BCL2) inhibitor, is a more selective and pharmacologically potent inhibitor of BCL2 than venetoclax, with a shorter half-life and no accumulation^{5,6}
- BGB-11417-101 is an ongoing, first-in-human, phase 1/1b dose-escalation/expansion study in patients with various B-cell malignancies
- Presented here are initial safety and efficacy data for zanubrutinib + obinutuzumab + sonrotoclax 320 mg combination therapy in patients with TN CLL/SLL in BGB-11417-101

METHODS

- BGB-11417-101 (NCT04277637) is an ongoing, phase 1/1b, open-label, multicenter, dose-escalation and -expansion study of sonrotoclax as monotherapy or combination therapy in patients with various B-cell malignancies
- On cycle 1 day 1, patients begin treatment with oral zanubrutinib (160 mg twice daily or 320 mg once daily) and intravenous obinutuzumab (cycle 1 to cycle 6); on cycle 2 day 1, oral sonrotoclax is introduced with a ramp-up schedule to reach the recommended phase 2 dose of 320 mg (Figure 1)
- Patients who achieve undetectable minimal residual disease (uMRD4; <1 CLL cell per 10,000 leukocytes) in peripheral blood by next-generation sequencing (NGS) after 15 treatment cycles may discontinue treatment; others may continue to receive treatment until disease progression or unacceptable toxicity
- Study endpoints include safety and tolerability, overall response rate (ORR; defined as a partial response with lymphocytosis or better), and rate of blood uMRD4 as measured by ERIC-approved NGS and/or flow cytometry assay, depending on the time point

Figure 1. BGB-11417-101 Study Design



RESULTS

- As of August 29, 2025, a total of 15 patients with TN CLL/SLL have been enrolled and have received at least one cycle of zanubrutinib + obinutuzumab + sonrotoclax
- Ten patients (67%) discontinued treatment after reaching uMRD4 per NGS; 5 patients (33%) remain on treatment and have not yet reached cycle 15 as of the data cutoff date
- Across dose cohorts, the median age was 62 years, and 53% were male (Table 1)
- Ten patients (67%) had unmutated IGHV and 1 patient (7%) had a high tumor burden

Table 1. Baseline Patient Characteristics

Characteristic	Zanu + O + Sonrotoclax 320 mg (N=15)
Study follow-up time, median (range), months	18.0 (8.4-22.2)
Age, median (range), years	62 (32-76)
Male, n (%)	8 (53)
Risk status, n (%)	
del(17p) and/or TP53 mutation	0
del(13q)	5 (33)
del(11q)	3 (20)
Unmutated IGHV, n (%)	10 (67)
High tumor risk at baseline, n (%) ^a	1 (7)

^aLNs >10 cm or LNs >5 cm and ALC >25-10¹⁰/L. Abbreviations: ALC, absolute lymphocyte count; IGHV, immunoglobulin heavy chain variable region; LN, lymph node; O, obinutuzumab; zanu, zanubrutinib.

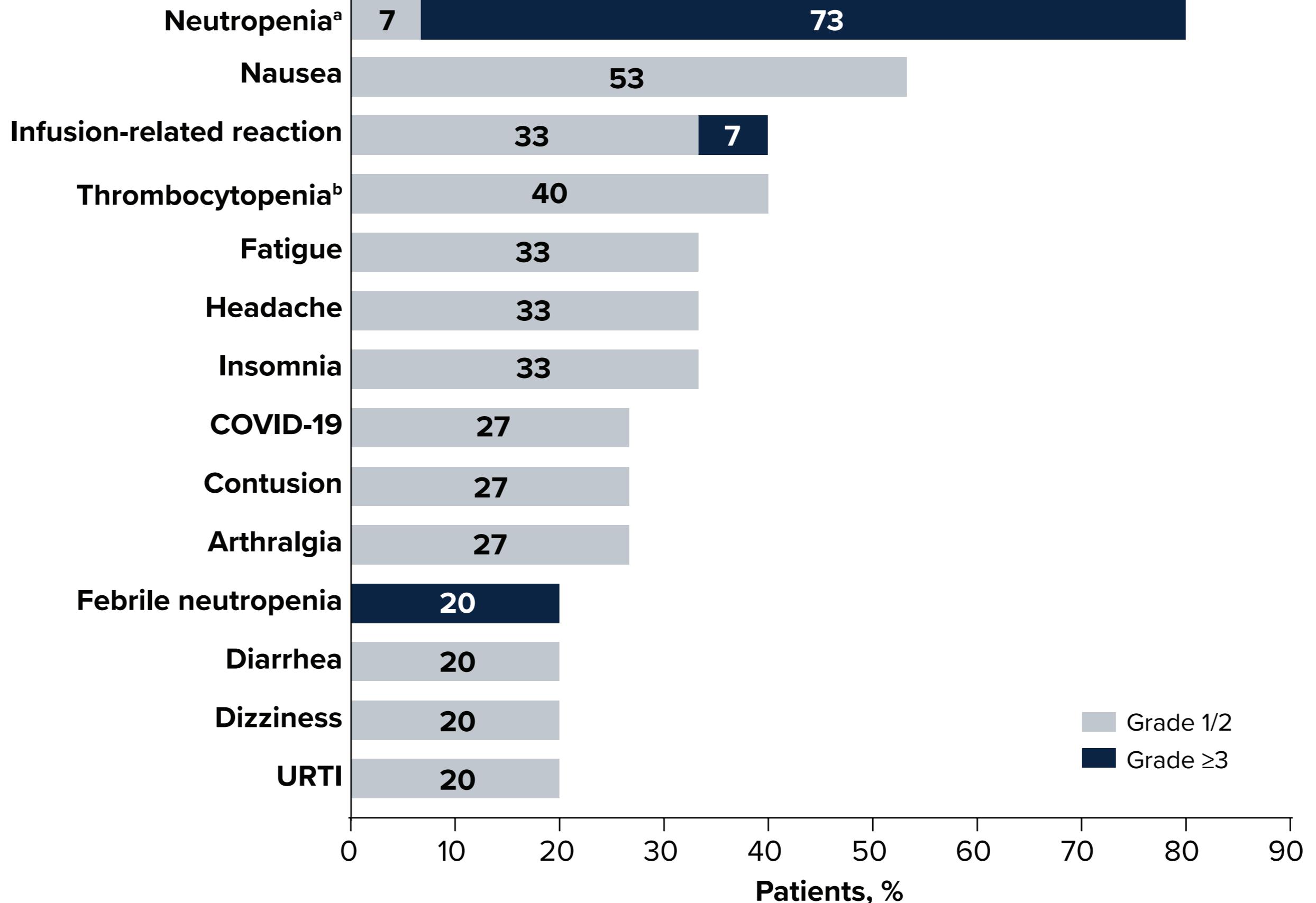
- An overall summary of treatment emergent adverse events (TEAEs) is shown in Table 2
- No TEAEs led to death or discontinuation of any study drug
- The most common any-grade TEAEs were neutropenia (80%), nausea (53%), infusion-related reaction (40%), and thrombocytopenia (40%) (Figure 2)
- The most common grade ≥ 3 TEAE was neutropenia (73%), which was transient and did not lead to higher rates of grade ≥ 3 infections
- The most common serious TEAE was febrile neutropenia (20%)
- Infections occurred in 73% of patients; 13% of patients had grade 3 infections
- No cases of laboratory or clinical tumor lysis syndrome (TLS) occurred during sonrotoclax ramp-up
- One patient experienced laboratory TLS after obinutuzumab infusion and prior to starting sonrotoclax

Table 2. Safety Summary

Patients, n (%)	Zanu + O + Sonrotoclax 320 mg (N=15)
Any TEAE	15 (100)
Grade ≥ 3	13 (87)
Serious TEAEs	5 (33)
Led to death	0
Led to zanu discontinuation	0
Led to O discontinuation	0
Led to sonrotoclax discontinuation	0
Relative sonrotoclax dose intensity, median, %	99

Abbreviations: O, obinutuzumab; TEAE, treatment-emergent adverse event; zanu, zanubrutinib.

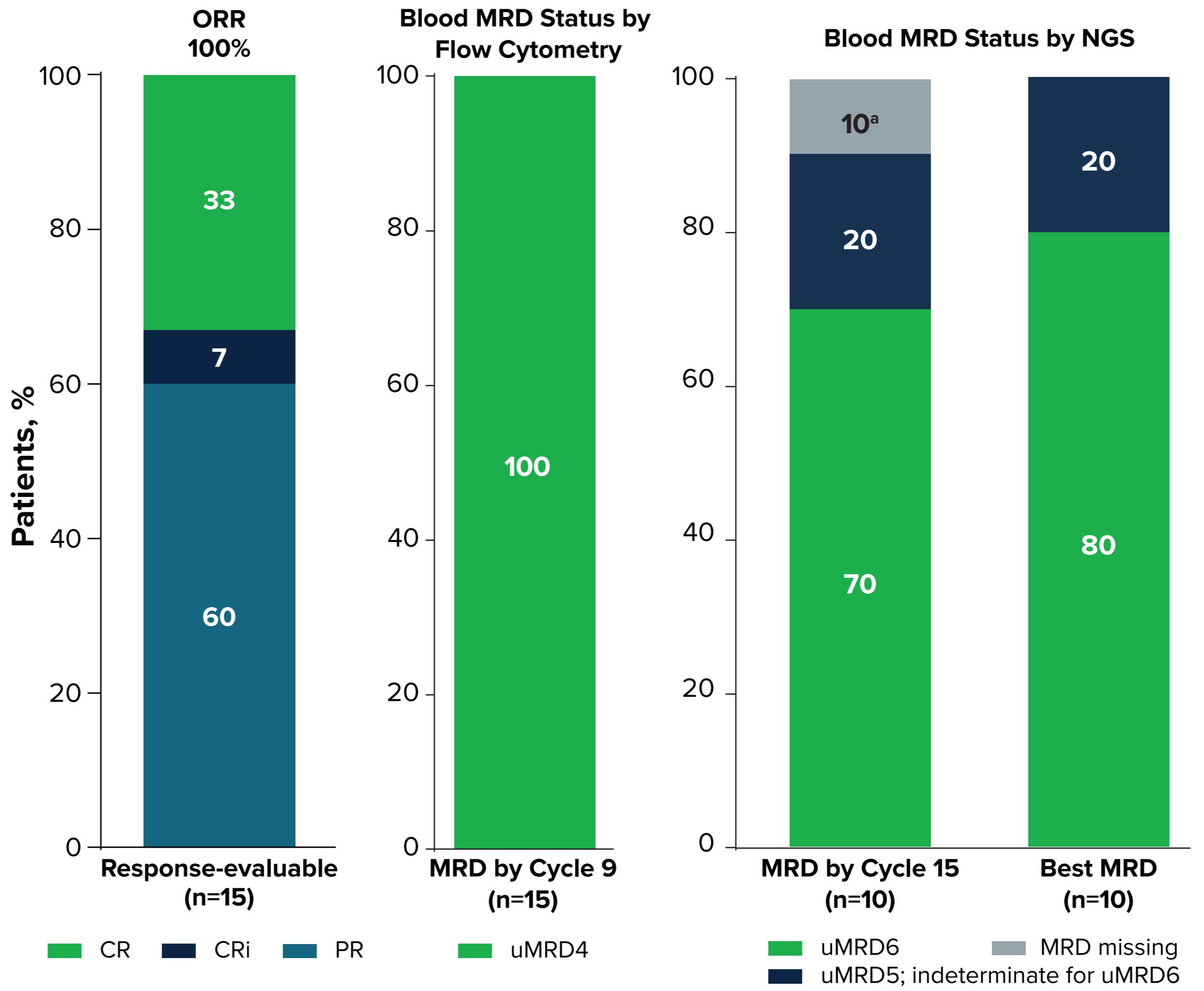
Figure 2. TEAEs in $\geq 20\%$ of Patients



^aNeutropenia combines preferred terms "neutrophil count decreased" and "neutropenia." ^bThrombocytopenia combines preferred terms "platelet count decreased" and "thrombocytopenia." Abbreviations: TEAE, treatment-emergent adverse event; URTI, upper respiratory tract infection.

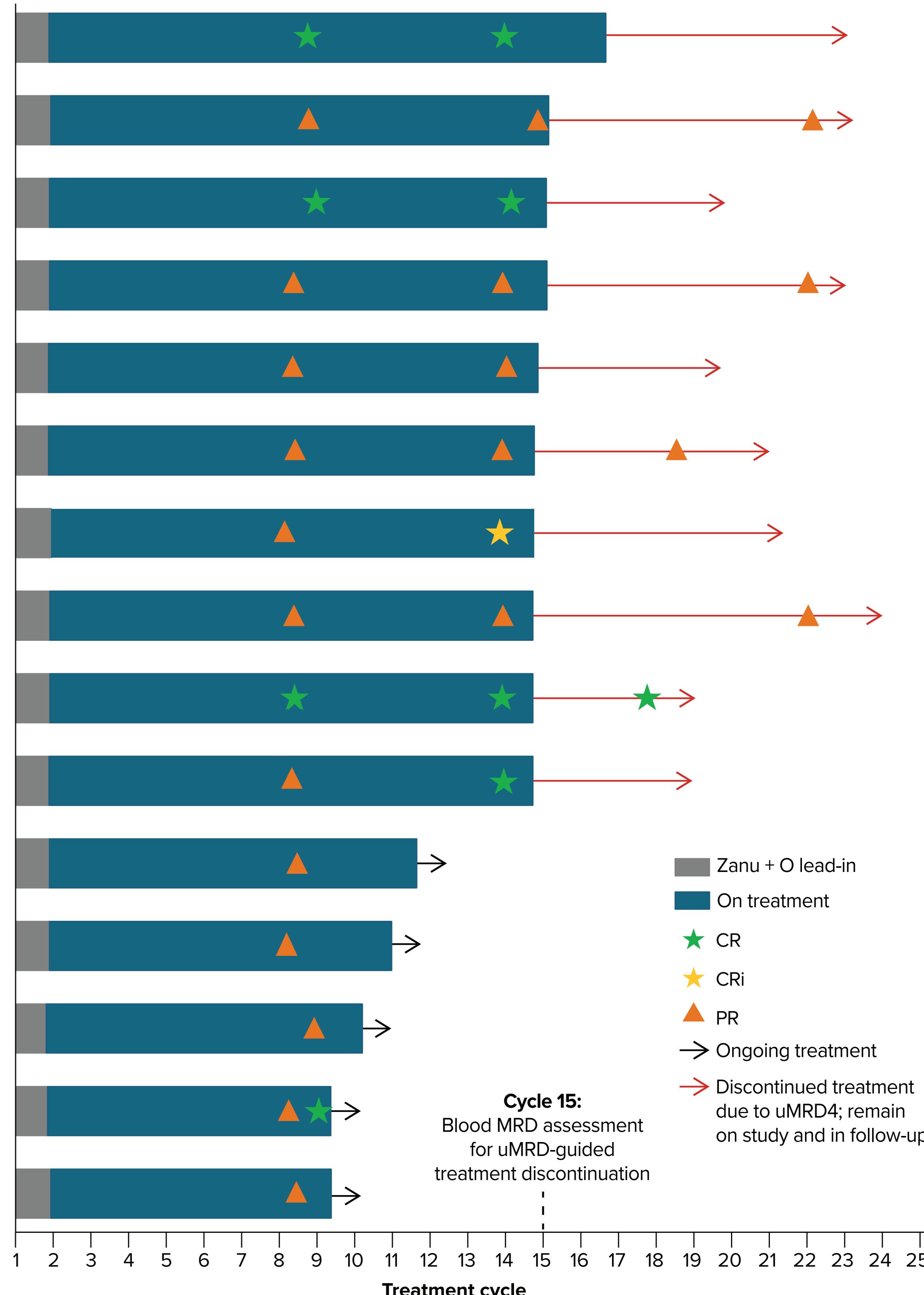
- With a median study follow-up of 18.0 months, the ORR in 15 efficacy-evaluable patients was 100%, which included a complete response/complete response with incomplete marrow recovery (CR/CRI) rate of 40% (Figures 3 and 4)
- As of the data cutoff date, 100% of MRD-evaluable patients achieved uMRD5 per NGS, discontinued treatment as mandated by the protocol, and remain in remission
- The median time off treatment was 5.5 months (range, 3.4-8.5 months)

Figure 3. Response Rates and Blood MRD Status With Sonrotoclax 320 mg Combination Therapy



^aOne patient had a missing MRD evaluation at cycle 15 but it was collected late at cycle 16. Abbreviations: CR, complete response; CRI, complete response with incomplete marrow recovery; MRD, minimal residual disease; NGS, next-generation sequencing; ORR, overall response rate; PR, partial response; uMRD, undetectable minimal residual disease.

Figure 4. Treatment Duration and Investigator-Assessed Responses



Abbreviations: CR, complete response; CRI, complete response with incomplete marrow recovery; MRD, minimal residual disease; O, obinutuzumab; PR, partial response; uMRD, undetectable minimal residual disease.

- With a median study follow-up of 18.0 months (range, 8.4-22.2 months), median PFS was not reached
- No PFS events were observed, and all patients who achieved uMRD remain in remission

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ACKNOWLEDGMENTS

The authors thank the patients and their families, investigators, co-investigators, and the study teams at each of the participating centers. This study was sponsored by BeOne Medicines, Ltd. Medical writing was provided by Amanda Martin, PhD, and Shanen Perumal, PhD, of Nucleus Global, an Inizio company, and supported by BeOne Medicines.