

# Die Kombinationsbehandlung (tx) mit dem neuen BCL2-Inhibitor Sonrotoclax (sonro; BGB-11417) und Zanubrutinib (zanu) induziert eine hohe Rate kompletter Remission bei Patienten (pts) mit rezidiviertem/refraktärem (R/R) Mantelzell-Lymphom (MCL)

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# Introduction

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- Combining BCL2 and BTK inhibition with venetoclax + ibrutinib has shown efficacy in patients with R/R MCL; however, this treatment was associated with high rates of toxicity and a need for a safer and potent combination still remains<sup>1</sup>
- Sonrotoclax (sonro; 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 accumulation<sup>2</sup>
- Zanubrutinib (zanu) is a next-generation BTK inhibitor approved in multiple (5) indications, including R/R MCL<sup>3</sup>
- Zanu was designed to provide complete and sustained BTK occupancy for efficacy across multiple B-cell malignancies with fewer off-target AEs compared with other BTK inhibitors<sup>4,5</sup>
- Here, safety and efficacy data are presented for patients with R/R MCL treated with sonro + zanu in the ongoing BGB-11417-101 study

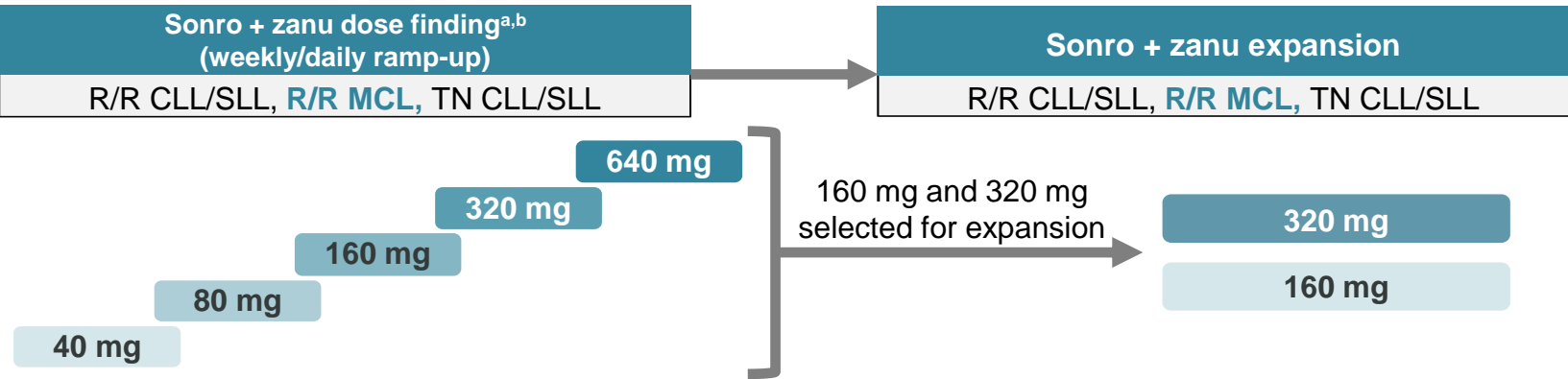
MCL, mantle cell lymphoma; R/R, relapsed/refractory.

1. Wang M, et al. ASH 2023. Abstract LBA-2; 2. Hu N, et al. AACR 2020. Abstract 3077; 3. Brukinsa. Prescribing information. BeiGene, Ltd; 2024; 4. Guo Y, et al. *J Med Chem.* 2019;62(17):7923-7940;

5. Tam CS, et al. *Expert Rev Clin Pharmacol.* 2021;14(11):1329-1344.

# Study Design

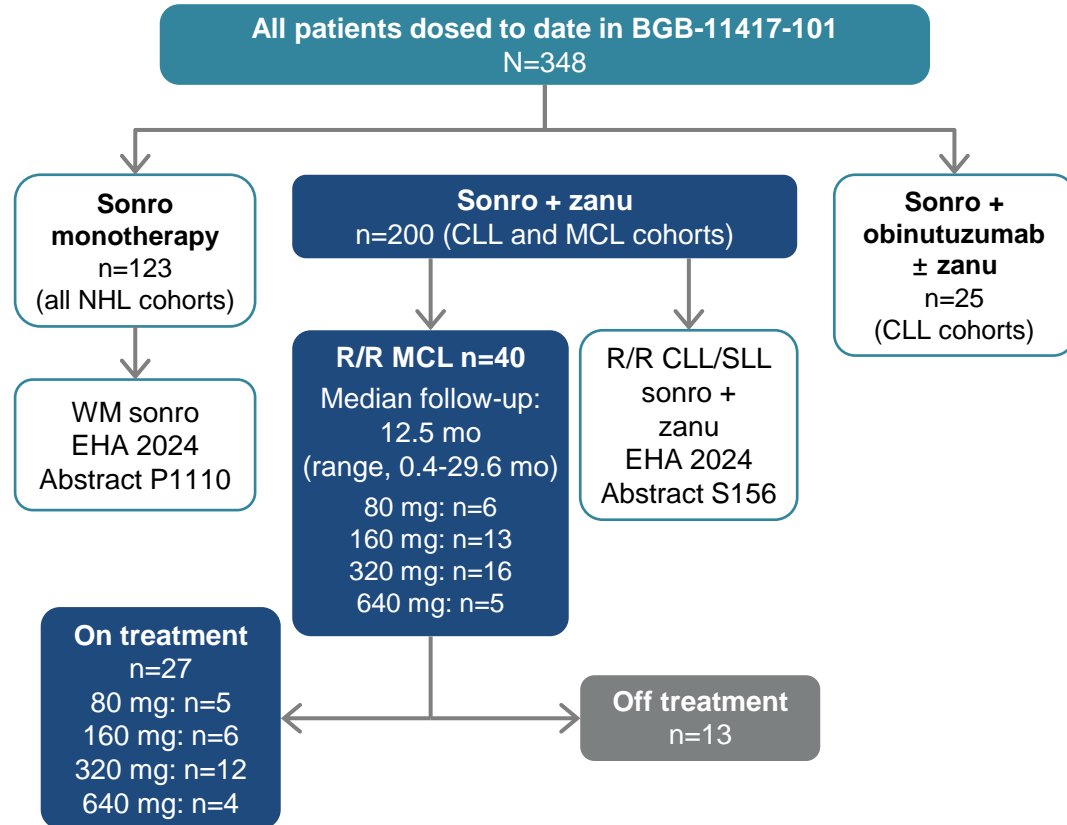
- BGB-11417-101 (NCT04277637): first-in-human, phase 1, open-label, multicenter, dose-escalation and -expansion study in patients with B-cell malignancies
- Eligible patients: R/R MCL (disease that relapsed after or was refractory to  $\geq 1$  prior systemic therapy) and required treatment in the opinion of the investigator
- Primary objectives: assess safety/tolerability, evaluate the ramp-up dosing schedule, define MTD, and determine the RP2D of sonro in combination with zanu



<sup>a</sup> The safety monitoring committee reviewed dose-level cohort data before dose escalation. <sup>b</sup> Zanu was administered orally (320 mg QD or 160 mg BID) 8 to 12 weeks prior to sonro treatment; sonro was administered orally, QD, following a daily or weekly ramp-up schedule to mitigate potential risk of TLS.

# Patient Disposition

- As of February 4, 2024, a total of 40 patients with R/R MCL received sonro + zanu and 27 remained on study treatment
  - 10 patients (25%) discontinued sonro + zanu due to PD (n=5), patient withdrawal (n=1), and AEs (n=4; 1 was treatment-related [pneumonia])
  - 4 patients discontinued zanu due to PD during lead-in (n=3) and 1 patient discontinued from zanu only due to diarrhea
- The sonro 160- and 320-mg dose levels were chosen for expansion cohorts



# Baseline Patient Characteristics

Characteristic	Sonro 80 mg + zanu (n=6)	Sonro 160 mg + zanu (n=13)	Sonro 320 mg + zanu (n=16)	Sonro 640 mg + zanu (n=5)	All (N=40)
<b>Study follow-up, median (range), months</b>	27.5 (3.9-29.6)	16.0 (1.0-25.7)	12.5 (0.4-18.8)	3.5 (2.2-8.6)	12.5 (0.4-29.6)
<b>Age, median (range), years</b>	60.0 (46-84)	69.0 (45-81)	69.0 (45-85)	71.0 (68-80)	68.5 (45-85)
<b>Male sex, n (%)</b>	5 (83)	11 (85)	7 (44)	3 (60)	26 (65)
<b>ECOG performance status, n (%)</b>					
0	3 (50)	8 (62)	4 (25)	3 (60)	18 (45)
1	2 (33)	5 (38)	12 (75)	2 (40)	21 (53)
<b>Tumor bulk, n (%)</b>					
LDi <10 and ≥5 cm	3 (50)	4 (31)	3 (19)	2 (40)	12 (30)
LDi ≥10 cm	1 (17)	2 (15)	3 (19)	0	6 (15)
<b>Ki67 proliferation index, n (%)</b>					
<30%	3 (50)	4 (31)	6 (38)	0	13 (33)
≥30%	2 (33)	2 (15)	4 (25)	2 (40)	10 (25)
<b>Prior therapy</b>					
No. of lines of prior systemic therapy, median (range)	1 (1-1)	1 (1-4)	1 (1-3)	1 (1-1)	1 (1-4)
No. of lines of prior systemic therapy, n (%)					
1	6 (100)	10 (77)	11 (69)	5 (100)	32 (80)
2	0	2 (15)	1 (6)	0	3 (8)
≥3	0	1 (8)	4 (25)	0	5 (13)
<b>Prior BTK inhibitor, n (%)</b>	<b>0</b>	<b>0</b>	<b>3 (19)</b>	<b>0</b>	<b>3 (8)<sup>a</sup></b>
<b>BTK inhibitor as last prior therapy, n (%)</b>	<b>0</b>	<b>0</b>	<b>3 (19)</b>	<b>0</b>	<b>3 (8)<sup>a</sup></b>
Prior BTK inhibitor duration, median (range), months	–	–	4.8 (0.3-25.0)	–	4.8 (0.3-25.0)
Prior cellular therapies (transplant or CAR-T), n (%)	2 (33)	3 (23)	6 (38)	0	11 (28)

<sup>a</sup> Two patients discontinued due to toxicity.

CAR-T, chimeric antigen receptor T-cell; LDi, longest diameter.

# TEAE Summary

- Toxicity was generally the same among all tested dose levels with no new safety signals identified; sonro 160-mg and 320-mg dose levels were chosen for expansion cohorts

	Sonro 80 mg + zanu (n=6)	Sonro 160 mg + zanu (n=13)	Sonro 320 mg + zanu (n=16)	Sonro 640 mg + zanu (n=5)	All (N=40)
<b>Patients, n (%)</b>					
<b>Any TEAE</b>	4 (67)	13 (100)	15 (94)	5 (100)	37 (93)
Grade ≥3	4 (67)	6 (46)	7 (44)	1 (20)	18 (45)
Serious TEAEs	3 (50)	4 (31)	2 (13)	0	9 (23)
Leading to death	1 (17)	1 (8)	1 (6)	0	3 (8) <sup>a</sup>
Leading to zanu discontinuation	1 (17)	3 (23)	2 (13)	0	6 (15) <sup>b</sup>
Leading to zanu dose reduction	1 (17)	1 (8)	0	0	2 (5) <sup>c</sup>
<b>Treated with sonro, n (%)</b>	6 (100)	11 (85)	13 (81)	5 (100)	35 (88)
Leading to sonro discontinuation	0	3 (23)	2 (13)	0	5 (13) <sup>d</sup>
Leading to sonro dose reduction	0	0	0	0	0
Leading to death	0	1 (8)	0	0	1 (3) <sup>e</sup>

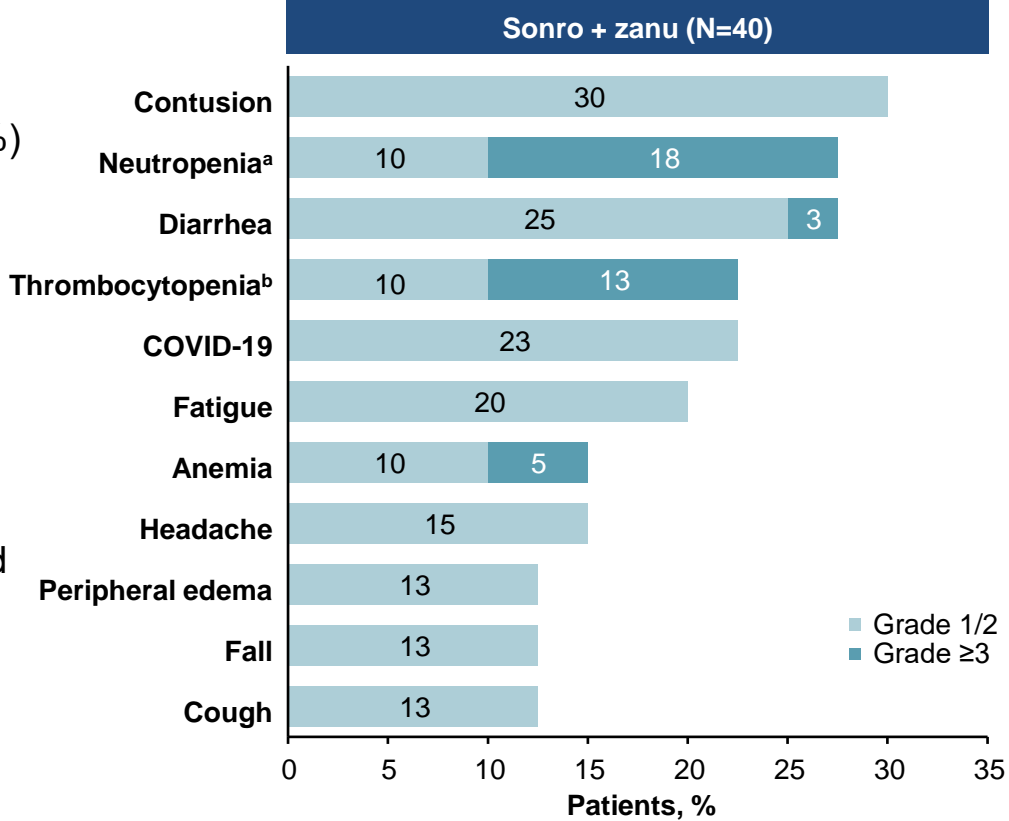
<sup>a</sup> Pleural effusion (due to PD), abdominal sepsis, and pneumonia. <sup>b</sup> Lymph node pain (due to PD), diarrhea, MDS, abdominal sepsis, pneumonia, and bruising. <sup>c</sup> COVID-19 (temporary).

<sup>d</sup> Diarrhea, abdominal sepsis, MDS, pneumonia and lymph node pain secondary to PD. <sup>e</sup> Pneumonia.

MDS, myelodysplastic syndrome; sonro, sonrotoclax; zanu, zanubrutinib.

# TEAEs in ≥5 Patients by Grade

- Most common any-grade TEAEs: contusion (30%), neutropenia (28%), and diarrhea (28%)
- Most common grade ≥3 TEAE: neutropenia (18%)
  - Neutropenia was manageable, with:
    - No dose reductions
    - Only 1 dose hold due to concurrent COVID-19 infection
    - 6 patients used G-CSF (median duration = 3.5 days)
- No laboratory or clinical TLS
- Dose escalation completed with no MTD reached

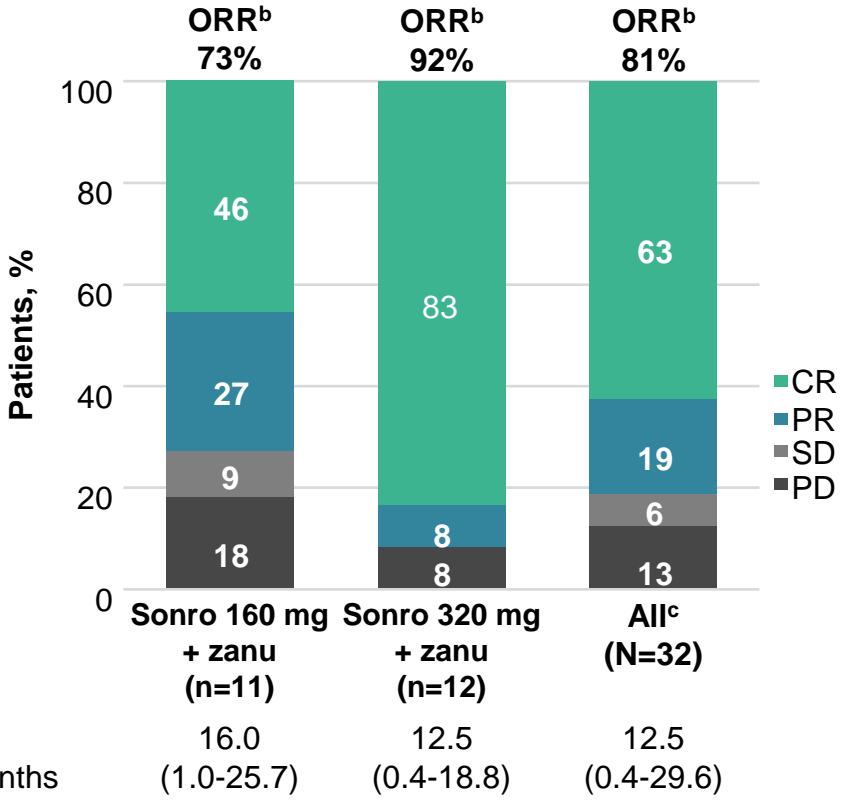


<sup>a</sup> Neutropenia combines preferred terms *neutrophil count decreased* and *neutropenia*. <sup>b</sup> Thrombocytopenia combines preferred terms *platelet count decreased* and *thrombocytopenia*.



# Treatment Response Rates<sup>a</sup>

- Median study follow-up was 12.5 months
  - ORRs were 73% and 92% in the 160- and 320-mg cohorts, respectively
  - CR rates were 46% and 83%, respectively

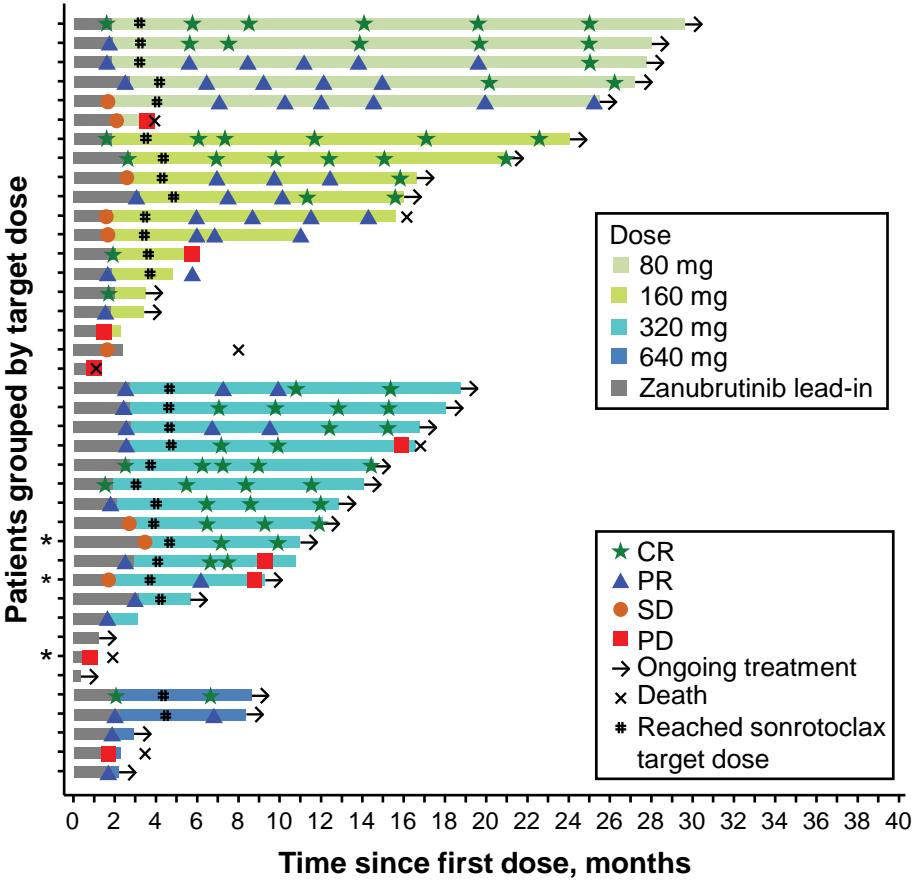


<sup>a</sup> Responses were assessed per Lugano 2014 criteria.<sup>1</sup> <sup>b</sup> ORR was defined as PR or better. <sup>c</sup> For all dose levels. <sup>d</sup> For all patients as treated (N=40).

1. Cheson BD, et al. *J Clin Oncol.* 2014;32(27):3059-3068.

# Treatment Duration and Investigator-Assessed Responses<sup>a</sup>

- Of 3 response-evaluable patients with prior BTK inhibitor treatment, 2 responded: 1 PR and 1 CR



\* Patient had prior treatment with BTK inhibitor.

<sup>a</sup> Gray bar indicates duration of zanu lead-in.

# Conclusions

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- Sonrotoclax in combination with zanubrutinib was generally well tolerated
  - The maximum tolerated dose was not reached up to the highest assessed dose of 640 mg
  - No atrial fibrillation or TLS (laboratory or clinical) events were observed
- Sonrotoclax + zanubrutinib combination therapy demonstrated deep responses in patients with R/R MCL, including an ORR of 92% and CR rate of 83% in the 320-mg cohort
- The 320-mg dose was selected as RP2D for development in future pivotal studies

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