

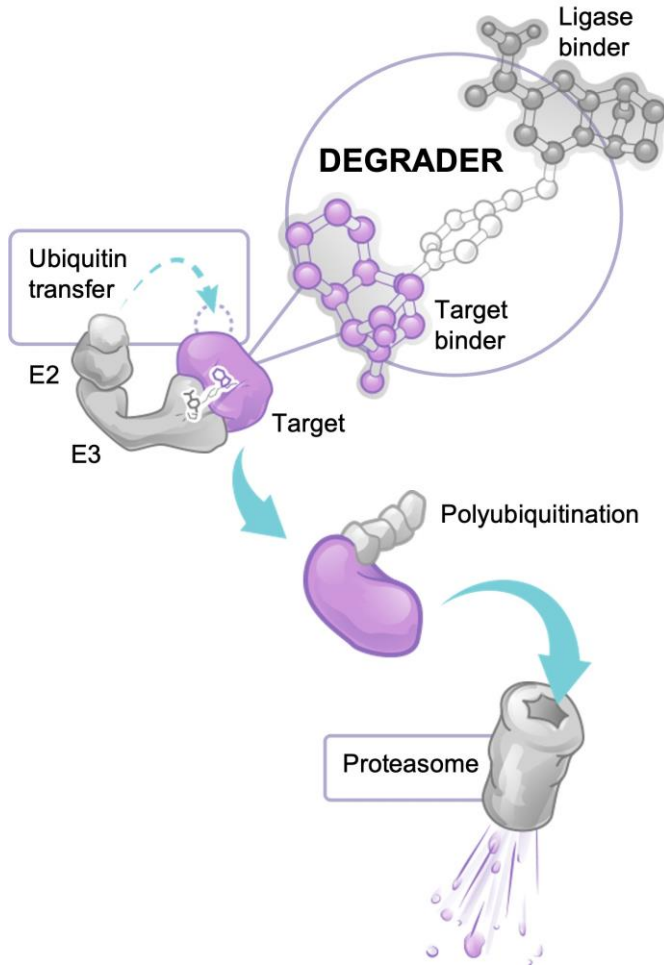
Bexobrutideg (NX-5948), a Novel Bruton's Tyrosine Kinase (BTK) Degradar, Demonstrates Rapid and Durable Clinical Responses in Relapsed/Refractory CLL: Updated Findings From an Ongoing Phase 1a Study

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What Is Targeted Protein Degradation?

Harnessing the ubiquitin proteasome system to eliminate disease-causing proteins



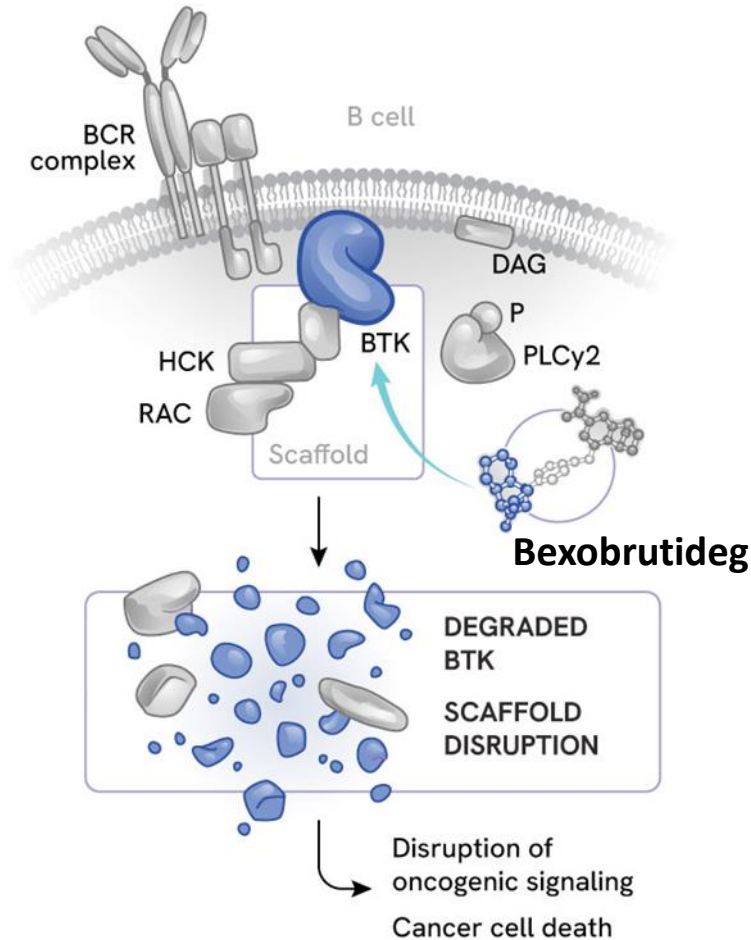
- BTK degraders can overcome treatment emergent resistance mutations

- BTK degraders eliminate BTK scaffolding function

- BTK degraders have the potential to displace inhibitors

Bexobrutideg (NX-5948) – A Small Molecule BTK Degradator that Addresses an Unmet Need in the CLL Treatment Landscape

Bexobrutideg mechanism of action



- The current standard of care in CLL focuses on utilizing the inhibitors of two key signaling pathways: BTK and BCL2
- Unmet need still exists in the CLL treatment landscape:
 - Covalent and non-covalent BTKi resistance mutations are found in more than half of patients who progress on BTKi therapies^{1,2}
 - Some mutations in *BTK* can maintain intact B-cell receptor signaling through a scaffolding function of BTK³
 - The number of BCL2i refractory and double (BTKi/BCL2i) refractory patients is growing⁴
- Novel BTK degrader bexobrutideg offers an additional treatment modality:
 - Can overcome treatment-emergent BTKi resistance mutations⁵ and disrupt BTK scaffolding^{3,5}

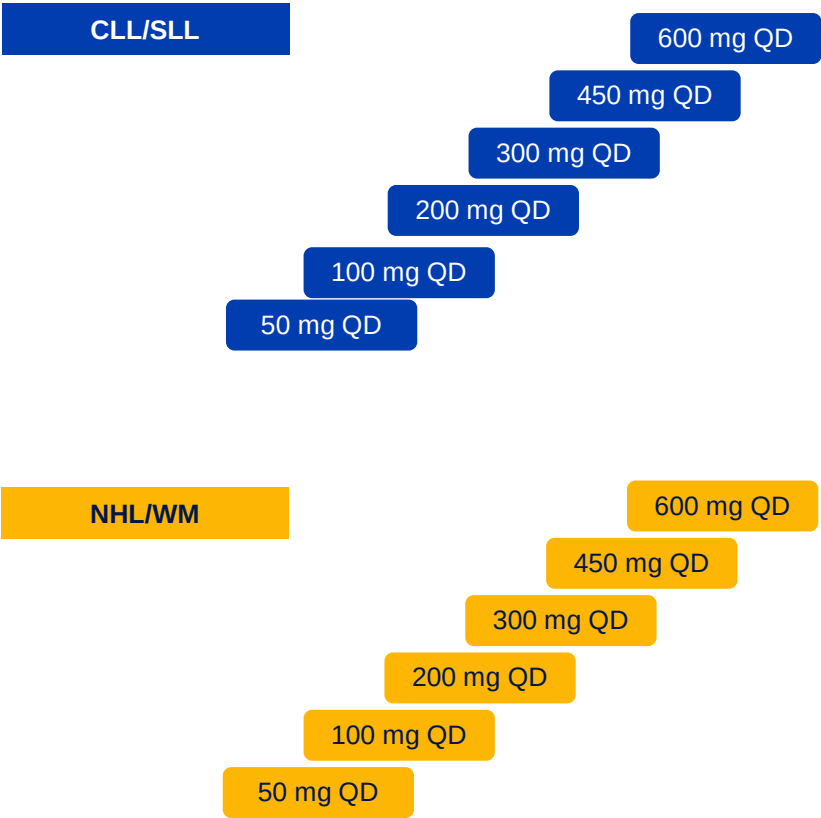
BCL2, B-cell lymphoma 2; **BCL2i**, BCL2 inhibitor; **BTK**, Bruton's tyrosine kinase; **BTKi**, BTK inhibitor; **CLL**, chronic lymphocytic leukemia

1. Noviski et al. 20th Biennial International Workshop on CLL, Boston, MA, Oct 6–9, 2023; 2. Molica et al. 66th ASH Annual Meeting, Dec 7–10, 2024; 3. Montoya et al. Science 2024;383;

4. Hayama and Riches. Onco Targets 2024;17; 5. Linton K, et al. Oral presentation at EHA Hybrid Congress; Jun 16, 2024

NX-5948-301 Trial Design

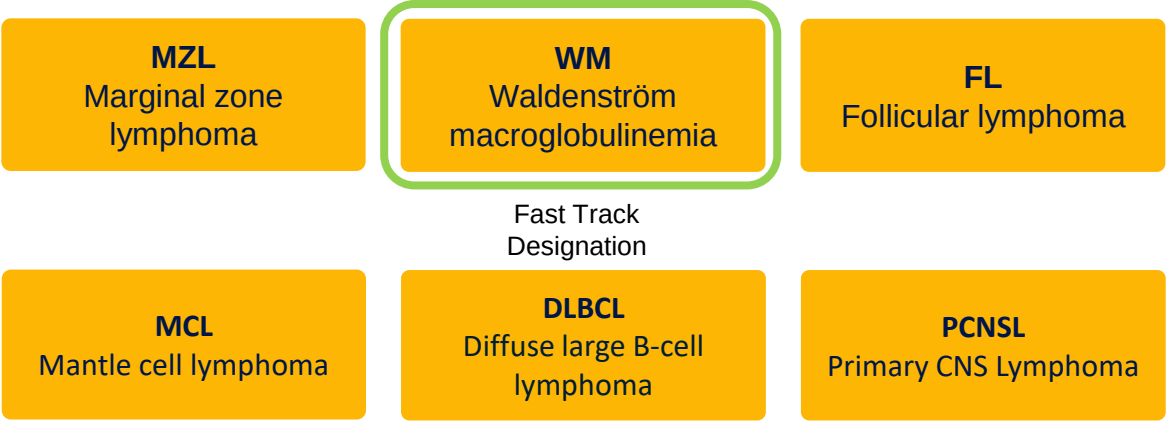
Phase 1a dose escalation (fully enrolled)



Phase 1b CLL dose expansion (fully enrolled)*



NHL/WM Phase 1b expansion cohorts



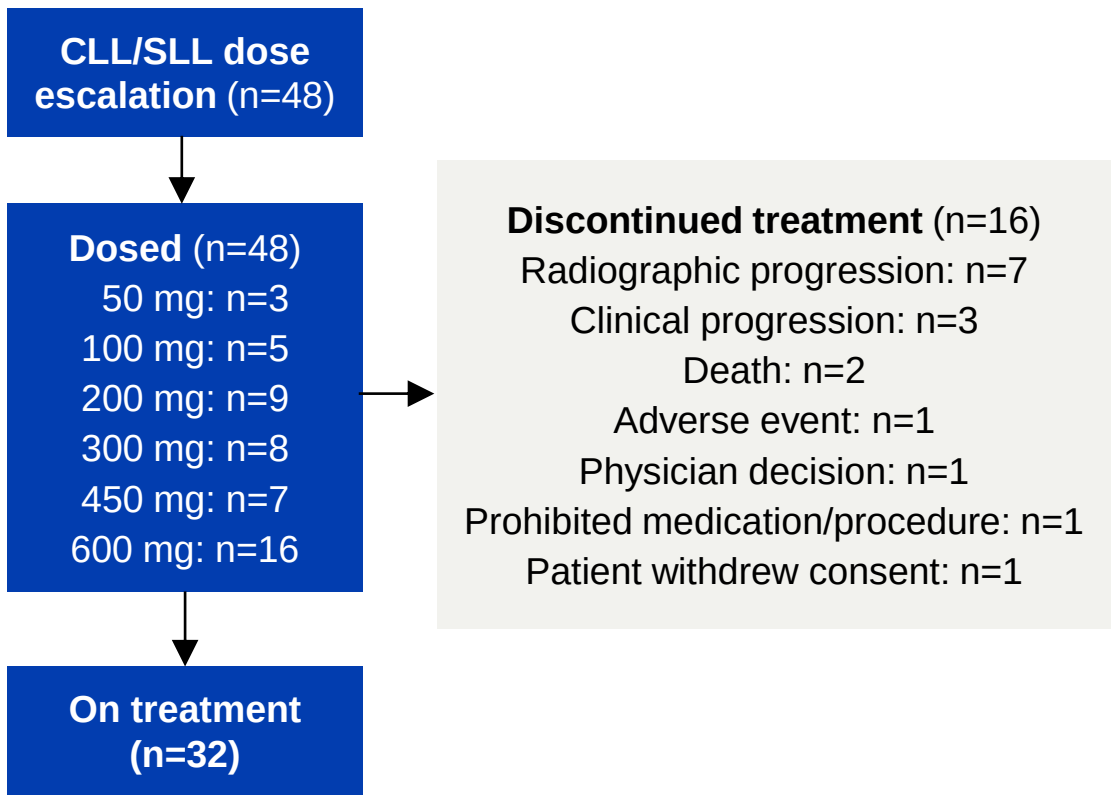
*Additional CLL Phase 1b expansion cohorts are currently enrolling

BCL2i, BCL-2 inhibitor; **BTKi**, BTK inhibitor; **CLL**, chronic lymphocytic leukemia; **NHL**, non-Hodgkin lymphoma; **QD**, once daily; **SLL**, small lymphocytic lymphoma

CLL Patient Disposition and Demographics

Phase 1a

Patient disposition



Patient demographics

Characteristics	Patients (n=48)
Median age, years (range)	68.5 (35–88)
Sex, n (%)	
Male	32 (66.7)
Ethnicity, n (%)	
Hispanic or Latino	3 (6.3)
Race, n (%)	
Black or African American	3 (6.3)
White	42 (87.5)
Other	3 (6.3)

Multiple Prior Lines of Therapy and High Prevalence of Baseline Mutations

Baseline disease characteristics: Phase 1a

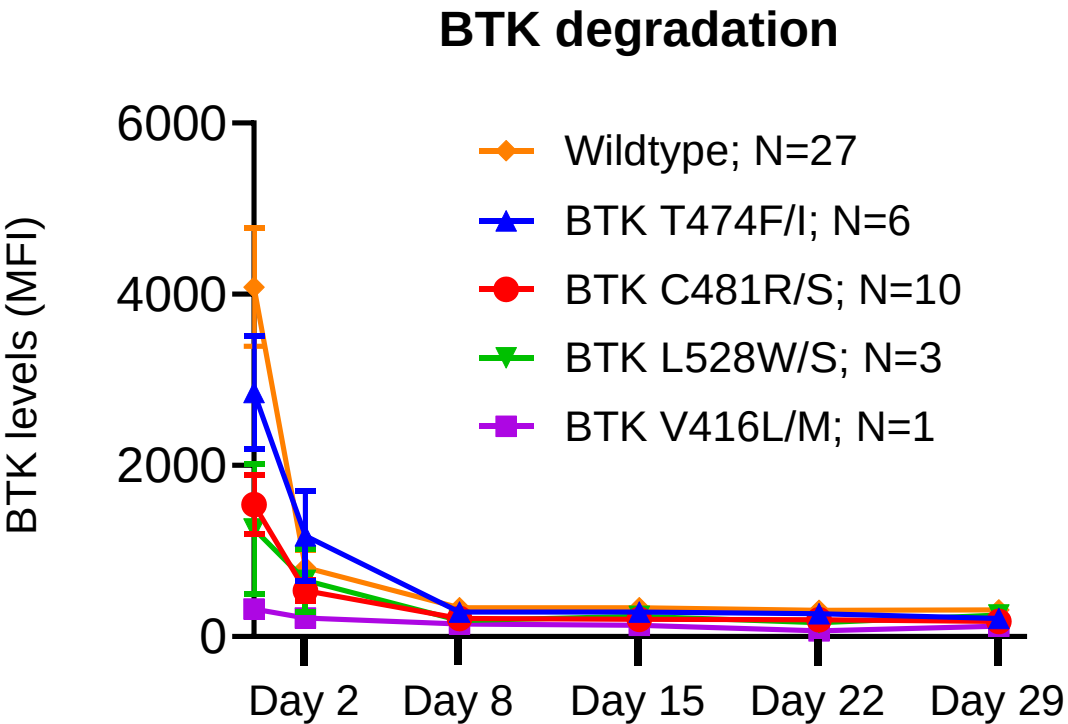
Characteristics	Patients with CLL/SLL (n=48)
ECOG PS, n (%)	
0	19 (39.6)
1	29 (60.4)
CNS involvement, n (%)	5 (10.4)
Median prior lines of therapy (range)	4.0 (2–12)
Previous treatments^a, n (%)	
BTKi	47 (97.9)
cBTKi	47 (97.9)
ncBTKi ^b	13 (27.1)
BCL2i	40 (83.3)
BTKi and BCL2i	39 (81.3)
Chemo/chemo-immunotherapies (CIT)	35 (72.9)
CAR-T therapy	3 (6.3)
Bispecific antibody	3 (6.3)
PI3Ki	14 (29.2)
Mutation status^c, n (%)	(n=47)
BTK	18 (38.3)
TP53	21 (44.7)
PLCG2	7 (14.9)
BCL2	6 (12.8)

^aPatients could have received multiple prior treatments; ^bAll patients who received ncBTKi have also previously received cBTKi; ^cMutations presented here were centrally sequenced
BCL2, B-cell lymphoma 2; **BCL2i**, BCL2 inhibitor; **BTK**, Bruton's tyrosine kinase; **BTKi**, BTK inhibitor; **cBTKi**, covalent BTKi; **CAR-T**, chimeric antigen receptor T-cell; **CLL**, chronic lymphocytic leukemia; **CNS**, central nervous system; **ECOG PS**, Eastern Cooperative Oncology Group (ECOG) performance status; **ncBTKi**, non-covalent BTKi; **PI3Ki**, phosphoinositide 3-kinase inhibitor; **PLCG2**, phospholipase C gamma 2; **SLL**, small lymphocytic lymphoma

Bexobrutideg Degrades Gatekeeper, Kinase-Proficient and Kinase-Dead BTK Mutations

Phase 1a	Patients with CLL/SLL (n=47) ^c
Baseline mutation status, n (%)	
BTK mutations ^{1,a,b}	18 (38.3)
C481S	10 (21.3)
C481R	2 (4.3)
L528W	2 (4.3)
L528S	1 (2.1)
T474I	5 (10.6)
T474F	1 (2.1)
V416M	1 (2.1)
V416L	1 (2.1)
G541V	1 (2.1)

^aPatients could have multiple prior treatments and BTK mutations; BTK mutations were tested at baseline by next-generation sequencing centrally. ≥5% allelic frequency is reported
^bPatients can have more than one resistance mutation
^cPatients with available mutation status



Note: Some patients have multiple BTK mutations

Bexobrutideg Safety Profile in Patients with CLL

TEAEs in ≥10% of patients or Grade ≥3 TEAEs or SAEs in >1 patient: Phase 1a

TEAEs, n (%)	Patients with CLL/SLL (n=48)		
	Any grade	Grade ≥3	SAEs
Purpura/contusion ^a	22 (45.8)	–	–
Diarrhea	15 (31.3)	2 (4.2)	–
Fatigue ^b	15 (31.3)	–	–
Neutropenia ^c	14 (29.2)	11 (22.9)	–
Rash ^d	13 (27.1)	1 (2.1)	1 (2.1)
Petechiae	12 (25.0)	–	–
Headache	12 (25.0)	–	–
Thrombocytopenia ^e	11 (22.9)	1 (2.1)	–
Anemia	9 (18.8)	2 (4.2)	–
COVID-19 ^f	9 (18.8)	–	–
Peripheral edema	9 (18.8)	–	–
Cough	8 (16.7)	–	–
Lower respiratory tract infection	7 (14.6)	1 (2.1)	1 (2.1)
Nausea	7 (14.6)	–	–
Pneumonia ^g	6 (12.5)	2 (4.2)	2 (4.2)
Arthralgia	6 (12.5)	–	–
Upper respiratory tract infection	5 (10.4)	–	–
Vomiting	5 (10.4)	1 (2.1)	–
Respiratory syncytial virus infection	2 (4.2)	1 (2.1)	2 (4.2)

- Tolerable safety profile consistent with prior disclosures
- No dose-limiting toxicities
- 1 related AE leading to treatment discontinuation (Grade 2 hot flushes)
- 1 Grade 5 AE (pulmonary embolism; deemed not related to bexobrutideg)

^aPurpura/contusion includes episodes of contusion or purpura; ^bFatigue was transient; ^cAggregate of 'neutrophil count decreased' or 'neutropenia'; ^dAggregate of 'rash' and 'rash maculopapular' and 'rash pustular'; Data cutoff: 12 Mar 2025

^eAggregate of 'thrombocytopenia' and 'platelet count decreased'; ^fAggregate of 'COVID-19' and 'COVID-19 pneumonia'; ^gAggregate of 'pneumonia' and 'pneumonia klebsiella'

CLL, chronic lymphocytic leukemia; SAE, serious adverse event; SLL, small lymphocytic lymphoma; TEAE, treatment-emergent AE

High Overall Response Rate and a Complete Response

Bexobrutideg overall response assessment: Phase 1a

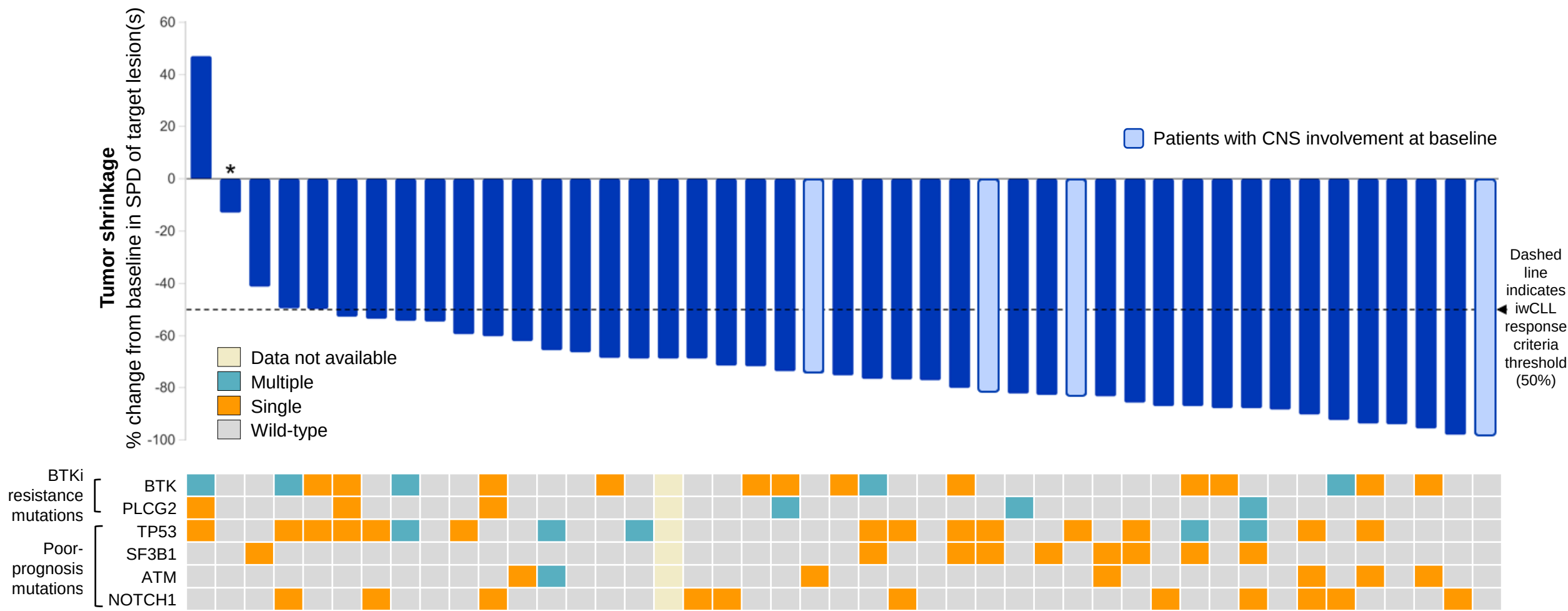
CLL response-evaluable patients ^a	Response analysis (n=47)
Objective response rate (ORR), ^b % (95% CI)	80.9 (66.7–90.9)
Best response, n (%)	
CR	1 (2.1)
PR	37 (78.7)
PR-L	0 (0.0)
SD	7 (14.9)
PD	2 (4.3)
Median follow-up, months ^c (range) ^d	9.0 (1.6–26.1)

^aPatients who were treated with bexobrutideg having ≥1 post-baseline disease assessment or documented clinical PD

^bObjective response rate was evaluated using iwCLL criteria and included CR + PR + PR-L

^cKaplan-Meier estimate; ^dObserved values

Clinical Activity in Patients with CLL Including Those with Baseline Mutations and CNS Involvement

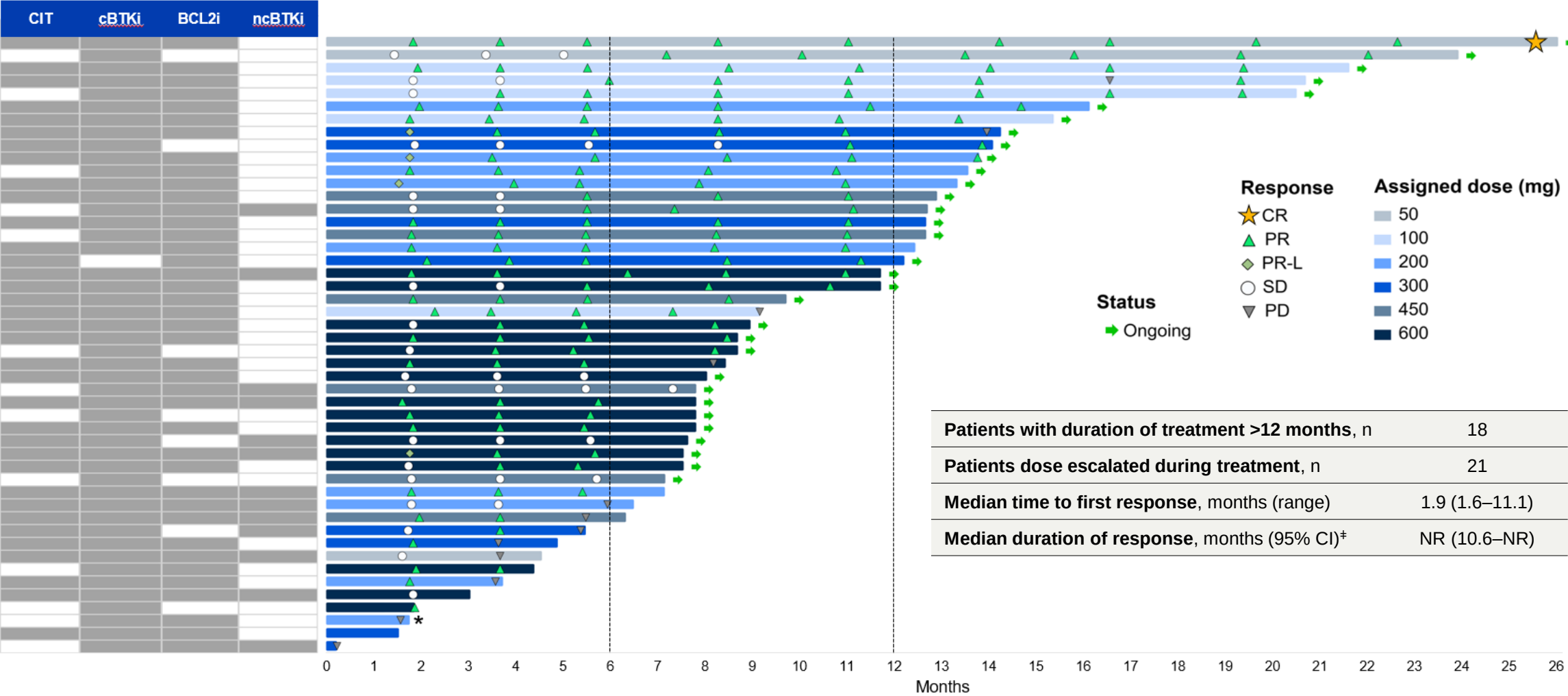


**Patient with Richter's transformation to Hodgkin's on biopsy*
Note: patients without identified target lesion(s) at baseline are evaluated as disease-evaluable per iwCLL criteria, although they may not be represented in the waterfall plot

ATM, Ataxia-telangiectasia mutated; **BTK**, Bruton's tyrosine kinase; **BTKi**, BTK inhibitor; **CLL**, chronic lymphocytic leukemia; **CNS**, central nervous system; **iwCLL**, International Workshop on CLL; **NOTCH1**, neurologic locus notch homolog protein 1; **PLCG2**, phospholipase C gamma 2; **SPD**, sum of products diameters

Bexobrutideg Duration of Treatment in Patients with CLL

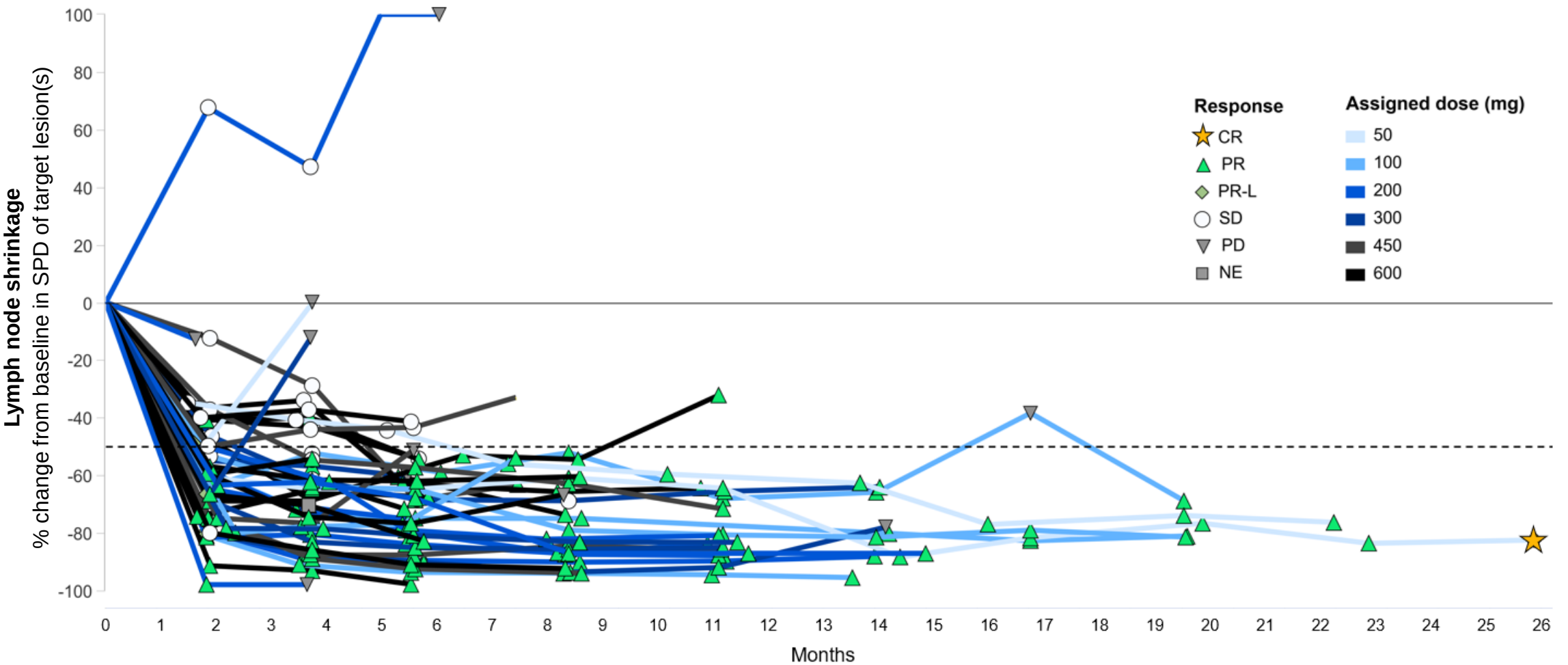
Durable responses regardless of prior therapy (n=48)



*Patient with Richter's transformation to Hodgkin's on biopsy; *Kaplan-Meier estimate
Data cutoff: 12 Mar 2025
11 BCL2i, BCL2 inhibitor; BTKi, BTK inhibitor; cBTKi, covalent BTKi; CI, confidence interval; CIT, chemo/chemo-immunotherapies; CR, complete response; ncBTKi, non-covalent BTKi; NE, not evaluable; NR, not reached; PD, progressive disease; PR, partial response; PR-L, PR with rebound lymphocytosis; SD, stable disease

Rapid and Sustained Decrease in Lymph Node Size in Patients Treated with Bexobrutideg

Percent change from baseline in sum of product diameters in patients with CLL



CR, complete response; NE, not evaluable; PD, progressive disease; PR, partial response; PR-L, PR with rebound lymphocytosis; SD, stable disease; SPD, sum of products diameters

Data cutoff: 12 Mar 2025

Deepening Response Leading to a Complete Response

Case report: patient with CR after 26 months on treatment

Patient demographics and disease characteristics

- 71-year-old Female with CLL
- Initial CLL diagnosis: 2014
- BTK mutation status: no BTK mutations

Prior treatments

1. Bendamustine + Rituximab (Benda-R)
2. Ibrutinib + Venetoclax (Ibr + Ven)

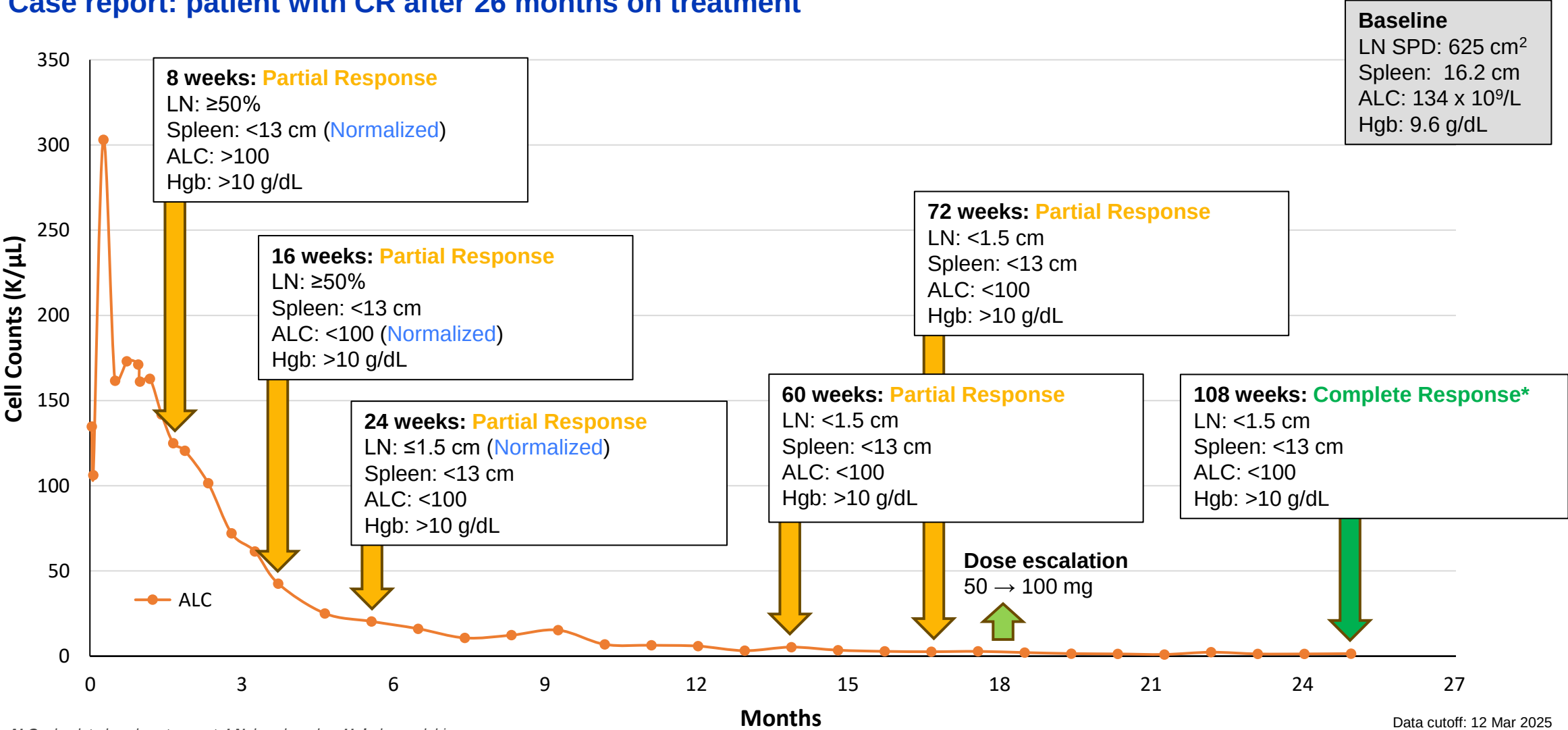
Bexobrutideg treatment

- Starting dose: 50 mg -> 100mg at month 17
- C1D1: 10 Jan 2023
- Current cycle: 28
- All related TEAEs were Grade 1
- Current status: ongoing, **Complete Response***

**as assessed by investigator per iwCLL criteria including bone marrow assessment*

Deepening Response Leading to a Complete Response

Case report: patient with CR after 26 months on treatment



ALC, absolute lymphocyte count; LN, lymph nodes; Hgb, hemoglobin
*as assessed by investigator per iwCLL criteria including bone marrow assessment

Conclusions

- Bexobrutideg (NX-5948) is a novel small molecule that degrades well-validated CLL target BTK by utilizing the ubiquitin-proteasome pathway
- In the fully enrolled Phase 1a CLL portion of the NX-5948-301 study, as of the 12 March 2025 data cut:
 - Median follow-up was 9.0 months, and most patients were still on treatment
 - Bexobrutideg was well tolerated, consistent with the overall study population and previous disclosures
 - Bexobrutideg showed clinical activity in a population of heavily pretreated patients with advanced CLL:
 - Patients had a median of four prior lines of therapy including, among others, prior cBTKi, ncBTKi, and BCL2i treatment
 - A high number of patients had BTK, PLCG2, and BCL2 mutations, high-risk molecular features and CNS involvement
 - Robust and deepening responses were observed with high ORR (80.9%), including one CR:
 - Responses were rapid with a median time to first response of 1.87 months
 - Multiple conversions were observed from SD to PR, and one conversion from PR to CR
 - Of 18 patients treated for more than 12 months, 17 remain on study. One patient is approaching 2.5 years on treatment

Phase 1b dose-expansion cohort enrollment is complete; enrollment is ongoing in additional Phase 1b sub-population cohorts and pivotal trial(s) initiation is planned later in 2025

Acknowledgements

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 - Nurix employees working on developing bexobrutideg and supporting the clinical trial
- The NX-5948-301 study is sponsored by Nurix Therapeutics, Inc.

