

Subcutaneous Epcoritamab Plus Lenalidomide in Patients With Relapsed/Refractory Diffuse Large B-cell Lymphoma from EPCORE NHL-5

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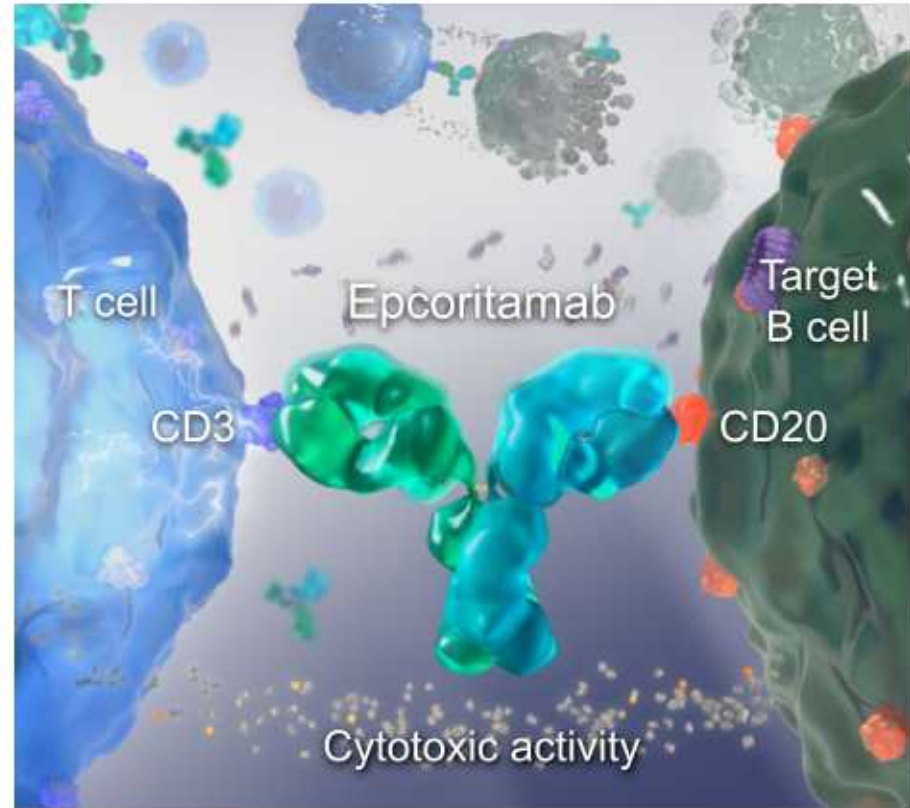
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Background

- Patients with relapsed/refractory (R/R) DLBCL have poor outcomes¹⁻²
- Epcoritamab is a subcutaneously administered **CD3xCD20 bispecific antibody** that binds to CD3+ T cells and CD20+ B cells, inducing CD3+ T cells to kill CD20+ tumor B cells^{3,4}
- Single-agent epcoritamab has demonstrated deep and durable responses and a manageable safety profile in patients with R/R B-cell lymphoma in the EPCORE NHL-1 trial⁵
- Epcoritamab is **approved in the US⁶, Europe^{7,a}, Japan^{8,b}, and other regions**; in the US, epcoritamab is approved for the treatment of adults with R/R DLBCL not otherwise specified, including DLBCL arising from indolent lymphoma, and high-grade B-cell lymphoma after ≥ 2 lines of systemic therapy⁶

We present results from Arm 1 of EPCORE NHL-5, which evaluated combining epcoritamab with lenalidomide in patients with R/R DLBCL

Figure: Epcoritamab Mechanism of Action



1. Sehn LH, Salles G. *N Engl J Med*. 2021;384:842-58. 2. Crump M, et al. *Blood*. 2017;30:1800-8. 3. Engelberts PJ, et al. *EBioMedicine*. 2020;52:102625. 4. van der Horst HJ, et al. *Blood Cancer J*. 2021;11:38. 5. Karimi Y, et al. ASCO 2023, abstract 7525. 6. Epkinly [package insert] Plainsboro, NJ. Genmab; May 2023. 7. Tepkinly [summary of product characteristics]. Ludwigshafen, Germany: AbbVie Deutschland GmbH & Co. KG; September 2023. 8. Epkinly [prescribing information]. Tokyo, Japan: Genmab K.K.; September 2023.

^aApproved in Europe for the treatment of adult patients with R/R DLBCL ≥ 2 lines of systemic therapy.

^bApproved in Japan for the treatment of adult patients with certain types of relapsed/refractory (R/R) large B-cell lymphoma (LBCL) after ≥ 2 lines of systemic therapy.

Study Design: EPCORE NHL-5 (NCT05283720)

Key inclusion criteria: Arm 1

- Adults ≥ 18 y
- Histologically confirmed CD20⁺ DLBCL^a
 - DLBCL, NOS
 - High-grade B-cell lymphoma with *MYC* and *BCL-2* and/or *BCL-6* translocations
 - FL grade 3B
- R/R disease^b
- ≥ 1 prior anti-CD20 monoclonal antibody-containing combined systemic therapy
- ECOG PS 0–2
- Measurable disease

Data cutoff: Oct 06, 2023
Median follow-up: 9.0 mo

Dose escalation (N=3–12) and dose expansion (N \approx 20)

Epcoritamab + anti-neoplastic agents in NHL

Arm 1
Epcoritamab + lenalidomide
(R/R) DLBCL

Arm 2
Epcoritamab + ibrutinib
+ lenalidomide
(R/R) DLBCL

Arm 3
Epcoritamab +
pola-R-CHP
1L DLBCL

Arms 4–7
Epcoritamab + antineoplastic
agents across 1L or R/R
DLBCL, FL, MCL

Epcoritamab dosing schedule

Step-up
dosing

Cycle 1, day 1: priming dose (0.16 mg)
Cycle 1, day 8: intermediate dose (0.8 mg)
Cycle 1, days 15, 22: full dose (48 mg)
Cycles 2–3, days 1, 8, 15, 22: full dose (48 mg)
Cycles 4–12, day 1: full dose (48 mg), Q4W

Lenalidomide dosing schedule

Cycles 1–12: once daily on days 1–21
(25 mg) for 12 cycles of 28 days

Objectives

Dose Escalation: Assess initial safety and tolerability and identify expansion dose (RP2D) of each combination therapy

Dose Expansion: Safety, tolerability, and antitumor activity of each combination therapy

^aPer WHO 2016 classification.

^bRelapsed disease is defined as disease that previously responded to therapy but progressed ≥ 6 months after completion of therapy. Refractory disease is defined as disease that either progressed during therapy, failed to achieve an objective response to prior therapy, or progressed within 6 months after completion of therapy (including maintenance therapy).

Baseline Characteristics

	Total N=35
Median age, y (range)	72 (41–85)
Female, n (%)	14 (40)
Ann Arbor stage, n (%)	
I–II	11 (31)
III	6 (17)
IV	17 (49)
Cancer under study, n (%)	
DLBCL	30 (86)
HGBL/DLBCL (Triple hit)	1 (23)
FL grade 3b	3 (9)
ECOG PS, n (%)	
0	24 (69)
1	10 (29)
2	1 (3)
R-IPI category, n (%)	
Very good (0)	2 (6)
Good (1-2)	9 (26)
Poor (3-5)	16 (46)
Unknown	4 (11)
Extranodal disease at screening, n (%)	
Yes/No	22 (63) / 13 (37)

Treatment History and Prior Systemic Therapies

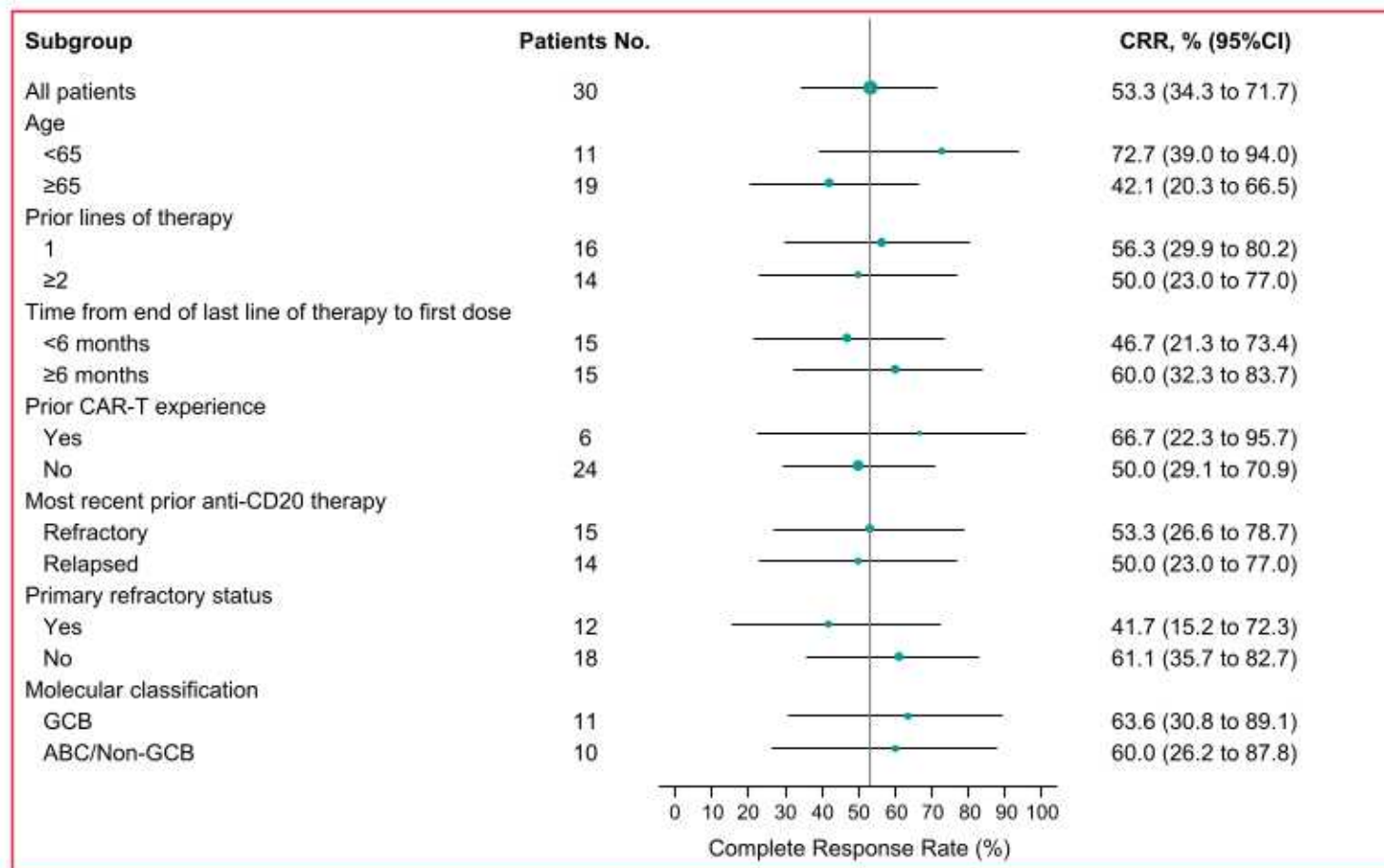
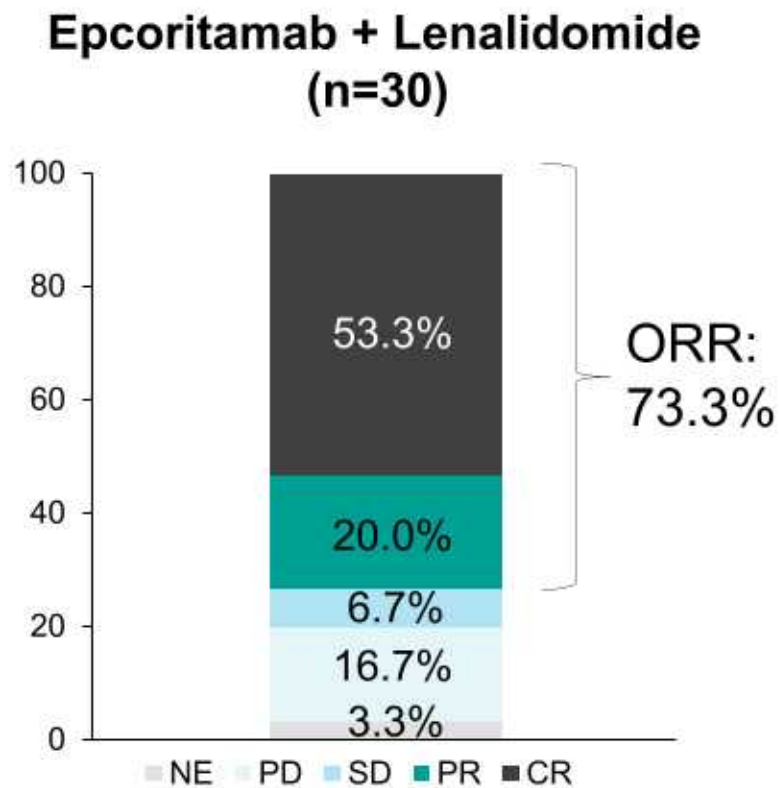
Treatment History	Total N=35
Median time from diagnosis to first dose, mo (range)	0.9 (0–12.9)
Median number of prior lines of anti-cancer therapy, n (range)	2.0 (1–4)
Prior lines of therapy, n (%)	
1 prior line	17 (49)
2 prior lines	11 (31)
3 prior lines	5 (14)
≥4 prior lines	2 (6)
Prior systemic therapies, n (%)	
Prior CAR-T therapy	6 (23)
Prior stem cell transplant	2 (6)

Treatment Exposure and Disposition

	Total N=35
Median follow-up, mo (95% CI)	9.0 (6.0–9.6)
Epcoritamab exposure	
Median duration, mo (range)	3.9 (0.03–10.2)
Median number of cycles, n (range)	5 (1–12)
Ongoing treatment, n (%)	20 (57)
Discontinued treatment, n (%)	15 (43)
Progressive disease	8 (23)
Patient Withdrawal	3 (9)
AE	2 (6)
Other	2 (4)

Responses With Epcoritamab + Lenalidomide (n=30)^a

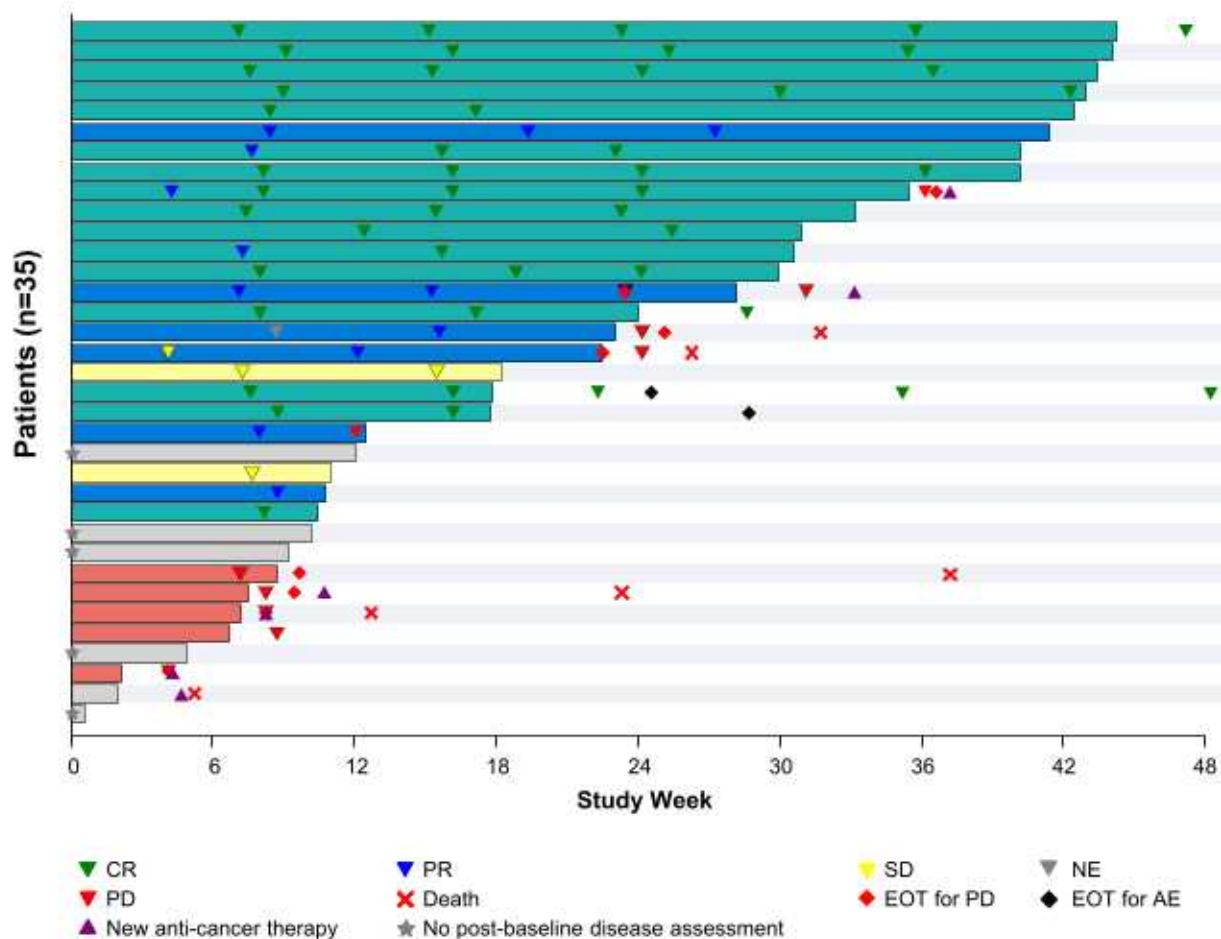
Complete Response in Prespecified Groups



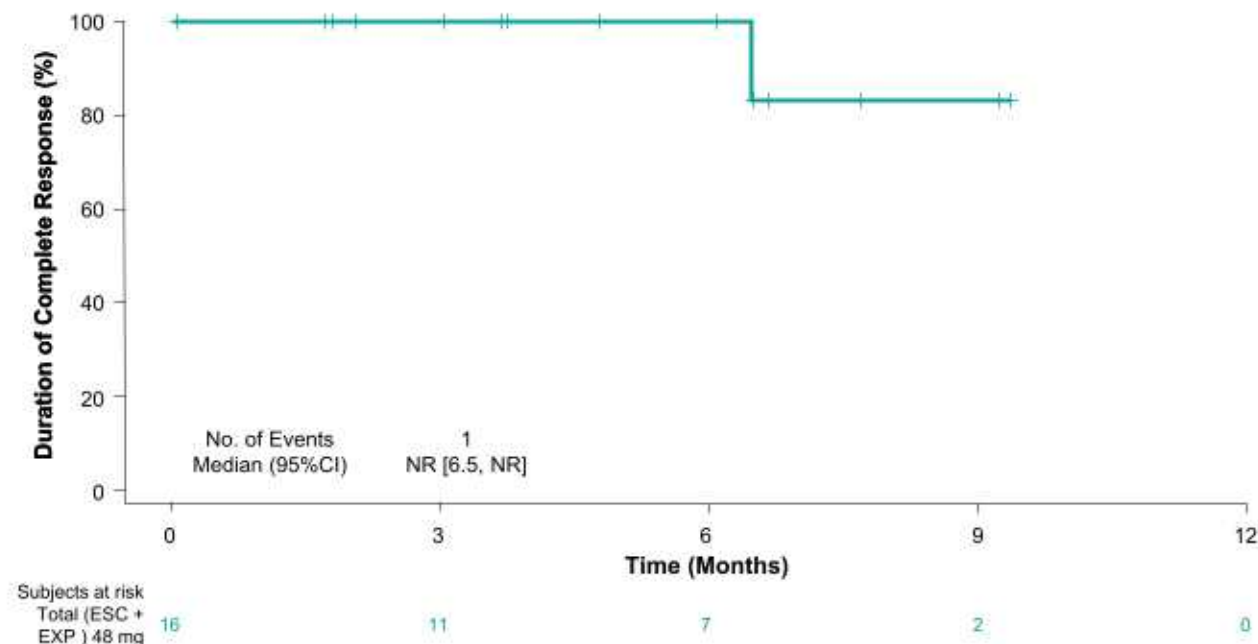
Data cutoff: Oct 06, 2023.

^aBased on response-evaluable population, defined as patients with measurable disease at baseline and ≥1 postbaseline disease evaluation, or who had died within 60 days of the first dose of study drug without a postbaseline assessment.

Onset and Durability of Response (n=35)^a



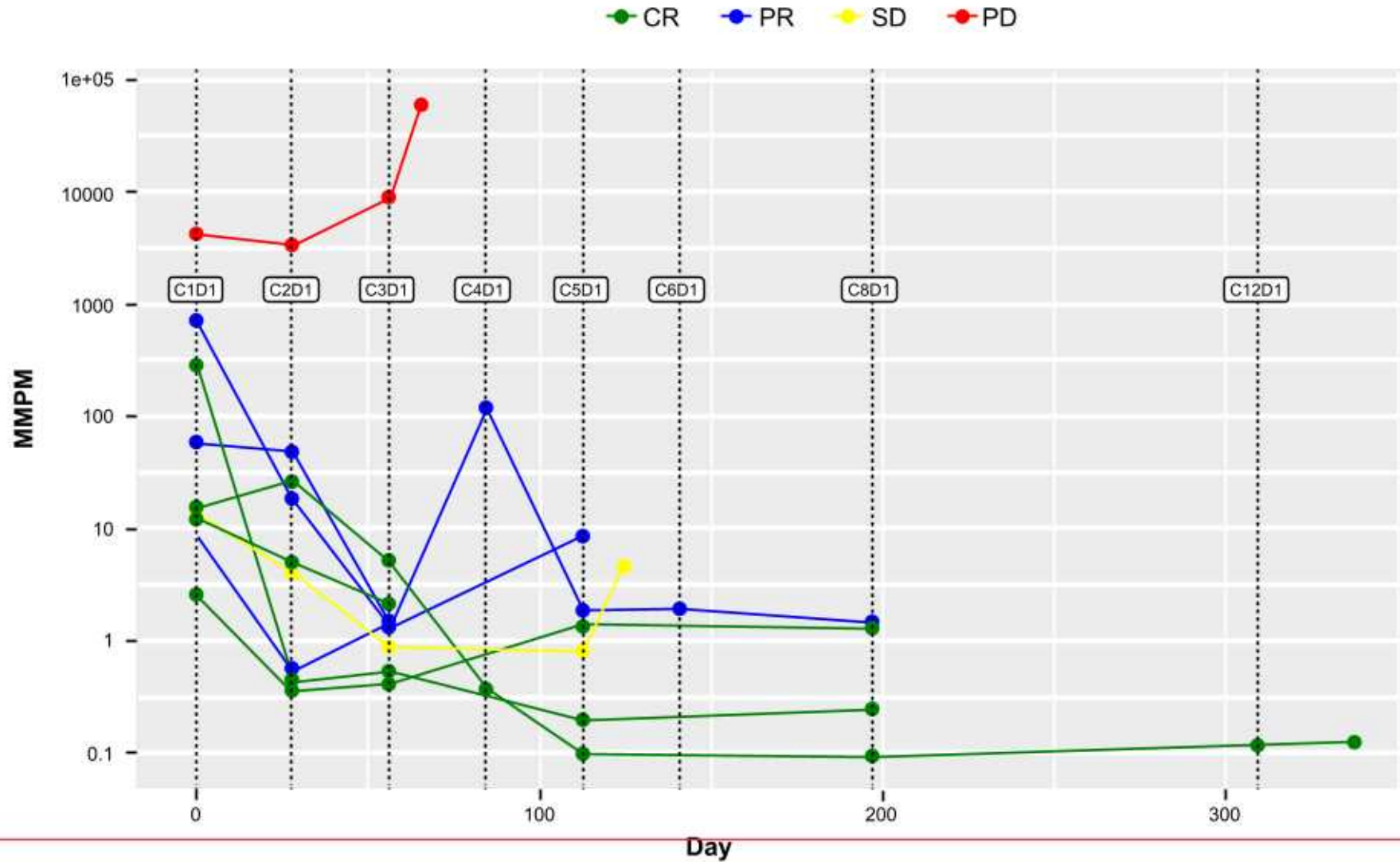
Duration of Complete Response



• Median time to response (TTR) was 1.9 mo (range, 1.6–3.6)

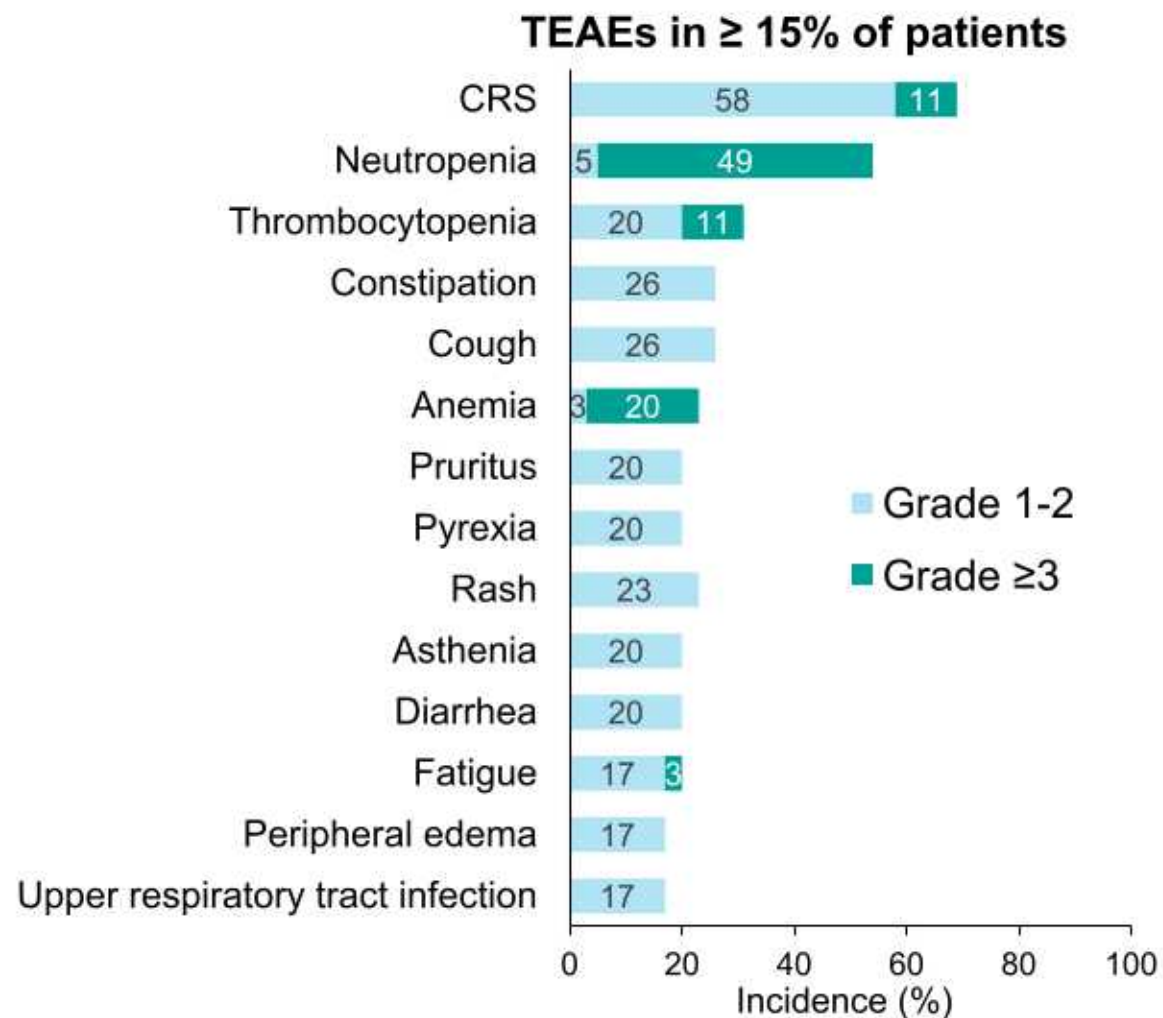
^aBased on investigator assessment per Lugano criteria.

Rapid and Sustained MRD Negativity Was Consistent With BOR



Safety Profile

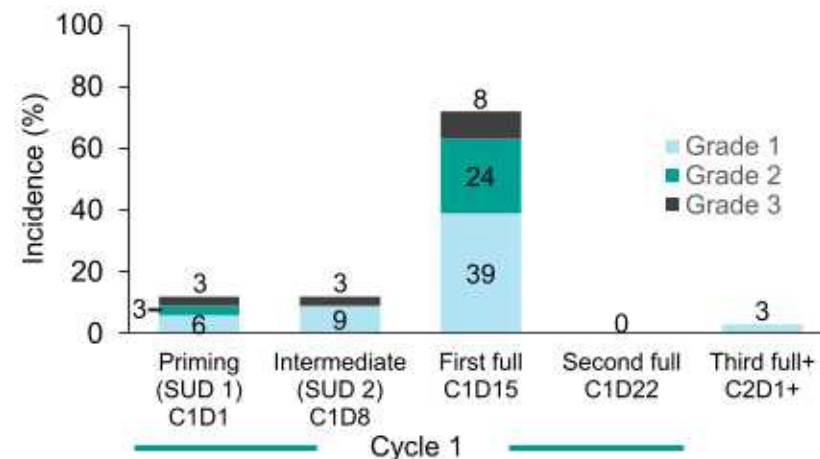
n (%)	Total N=35
Any-grade TEAE	35 (100)
Related to epcoritamab	31 (89)
Grade ≥ 3 TEAE	30 (86)
Related to epcoritamab	22 (63)
Serious adverse event	26 (74)
Related to epcoritamab	22 (63)
Epcoritamab delay/interruption due to TEAE	28 (80)
Discontinued epcoritamab due to TEAE	2 (6)
Fatal TEAE related to epcoritamab	0



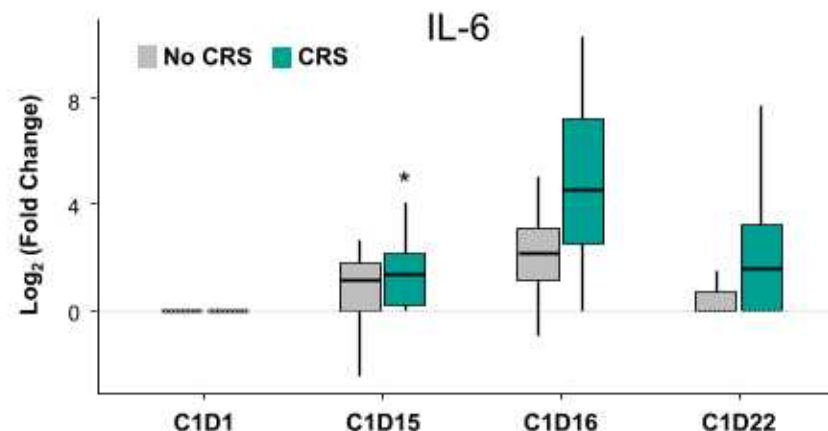
- One patient experienced ICANS (Grade 3), which resolved after 2 days
- One patient experienced CTLA (Grade 1)
- The most common serious AE related to epcoritamab was CRS (51% of all patients)
- The most common Grade ≥ 3 TEAE was neutropenia (49%) and did not lead to epcoritamab discontinuation

Majority of CRS Events were Low-grade

	Total N=35
CRS, n (%) ^a	24 (69)
Grade 1	12 (34)
Grade 2	8 (23)
Grade 3	4 (11)
Median time to onset of first CRS event, d (range)	16 (2–45)
CRS resolution, ^b n (%)	24 (100)
Median time to resolution, d (range) ^c	2 (1–6)
CRS interventions	
Treated with tocilizumab, n (%)	13 (54)
Treated with corticosteroid	10 (42)
Treated with tocilizumab + corticosteroid	7 (29)
Leading to epcoritamab discontinuation, n (%)	0



- 5 of 9 patients (56%) receiving prophylactic dexamethasone had CRS
- Predictable timing of CRS onset; most events occurred after 1st full dose



- IL-6 peak was predictable

^aMaximum CRS grade is presented for patients with more than one CRS event. ^bPercentages calculated based on patients with at least one CRS event. ^cBased on longest recorded CRS duration for patients with more than one CRS event. CRS, cytokine release syndrome; SUD 1, first step-up dose; SUD 2, second step-up dose.

Conclusions

- Epcoritamab + lenalidomide showed promising antitumor activity in patients with R/R DLBCL (n=30)
 - ORR, 73%; CMR, 53%
- Epcoritamab + lenalidomide demonstrated a manageable safety profile with no new safety signals identified
 - Most CRS events (20/24) were low-grade; CRS occurrence was predictable, and all CRS events resolved
 - One ICANS event that resolved
 - One patient experienced a Grade 1 CTLA event
- Predictable cytokine peaks (IFN-gamma, IL-2, and IL-6) occurred immediately after the first full dose, with a rapid and sustained depletion of peripheral B cells
- These encouraging data support further exploration of epcoritamab + lenalidomide in patients with R/R DLBCL

Disclosures

Irit Avivi: Honoraria for lectures or advisory boards: AbbVie, Takeda, Novartis, MSD, Medison.

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David Chism: Advisory board: Regeneron, AstraZeneca. Mostafa Seliem: Employee of AbbVie. Edwin Jeng: Employee of AbbVie.

Neha Joshi: Employee of AbbVie.

Satya Siddani: Employee of AbbVie.

Wissam Assaily: Employee of AbbVie.

Mariana Sacchi: Employee of Genmab. Minh Dinh: Employee of AbbVie.

Abraham Avigdor: Membership on an entity's Board of Directors or advisory committees: Takeda, Gilead, Novartis, Roche, BMS, AbbVie.

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