Single-Agent Epcoritamab Leads to Deep, Durable Responses in R/R FL: Pivotal Data From **EPCORE NHL-1**

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OBJECTIVE

Pivotal trial reporting on the efficacy and safety of epcoritamab monotherapy in patients with R/R FL

CONCLUSIONS

In this pivotal data from the EPCORE NHL-1 FL expansion cohort, epcoritamab SC led to deep and durable responses in a challenging-to-treat R/R FL population

ORR 82%, CR rate 63%, 67% MRD negativity

High ORRs and CR rates were observed regardless of high-risk features

Depth of response, including MRD negativity, was correlated with favorable long-term outcomes

Cycle 1 optimization with 3-step SUD substantially reduced risk and severity of CRS (no grade ≥3 events) and ICANS (no events)

> Safety profile was predictable and epcoritamab was generally well tolerated

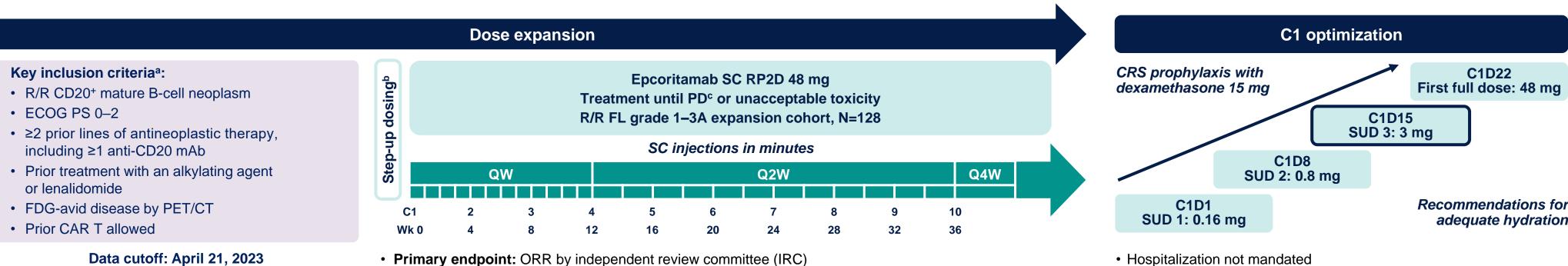
Results add to the growing body of evidence of the single-agent activity of epcoritamab across B-cell non-Hodgkin lymphoma histologies

BACKGROUND

- Despite recent advances in therapy, patients with relapsed/refractory follicular lymphoma (R/R FL) are still underserved by current treatment options; there remains a need for highly efficacious, easy-to-administer therapies that induce durable remissions, particularly in later lines of therapy¹⁻³
- Particularly poor outcomes are observed in patients with POD24, double-refractory disease, and disease refractory to the last prior therapy⁴⁻⁷
- Epcoritamab is the only approved subcutaneously administered (SC) CD3xCD20 bispecific antibody
- Approved for the treatment of adults with different types of R/R large B-cell lymphoma (LBCL) after ≥2 lines of systemic therapy in various geographies, including the US, Europe, and Japan^{a-c,8-12}
- We report the efficacy and safety of epcoritamab monotherapy in patients with R/R FL from the pivotal **EPCORE NHL-1 trial**

^aApproved in the US for the treatment of adults with R/R diffuse large B-cell lymphoma (DLBCL), not otherwise specified, including DLBCL arising from indolent lymphoma, and high-grade B-cell lymphoma (HGBCL) after ≥2 lines of systemic therapy. ^bApproved in Europe and the UK for the treatment of adults with R/R DLBCL after ≥2 lines of systemic therapy. ^cApproved in Japan for the reatment of adults with the following R/R LBCL: DLBCL, HGBCL, primary mediastinal large B-cell lymphoma, and FL grade 3B after ≥2 lines of systemic therapy.

TRIAL DESIGN: PIVOTAL EPCORE™ NHL-1 STUDY



Hospitalization not mandated

Primary objective: Assess impact on incidence and severity of CRS

• Key secondary endpoints: CR rate, MRDd, DOR, TTR, PFS, OS, and safety/tolerability Phase 1/2 trial. aPatients enrolled in this trial (and excluded from trials of other T-cell-engaging therapies) included those with worse anemia, lymphopenia, and/or renal function. bStep-up dosing (SUD; priming [SUD 1] 0.16 mg and intermediate [SUD 2] 0.8 mg dosing before first full dose) and corticosteroid prophylaxis were used to mitigate CRS. 22 measurable (by CT/MRI) and FDG PET-positive lesions; radiographic disease evaluation was performed every 6 wk for the first 24 wk (6, 12, 18, and 24 wk), then every 12 wk (36 and 48 wk), and every 6 mo thereafter. dMRD was assessed in peripheral blood using the clonoSEQ® (Adaptive Biotechnologies, Seattle, WA) next-generation sequencing assay. ClinicalTrials.gov: NCT03625037; EudraCT: 2017-001748-36.

RESULTS

Baseline Characteristics and Prior Treatments

Demographics	N=128	Treatment Histo	
Median age, y (range)	65 (39–84)	Median time fror dose, y (range)	
Male, n (%)	79 (62)	Median time from	
Ann Arbor stage, n (%) ^a		Median time from	
III	32 (25)	anti-CD20 thera mo (range)	
IV	77 (60)	Median number therapy (range)	
FLIPI, n (%)b		≥3 prior lines,	
2	31 (24)	≥4 prior lines,	
	J1 (Z4)	POD24, ^a n (%)	
3–5	3–5 78 (61)		
Beta-2 microglobulin, n (%)c		Primary refracto	
High	79 (62)	Refractory ^b to la therapy, n (%)	
^a Ann Arbor stage was I–II in 19 natients ^b FI IPI was 0–1 in	^a Progression within 2 v o		

1 patient, and not applicable for 1 patient. FLIPI was prior to first dose on study. ^cBeta-2 microglobulin was normal in 45 patients and missing for 4 patients.

N=128 om diagnosis to first 5.2 om end of last line of (1-105)dose, mo (range) om end of last apy to first dose, (1-159)r of prior lines of 3 (2-9) 81 (63) 40 (31) 54 (42) ory,^{b,c} n (%) 90 (70) ory,^b n (%)

^aProgression within 2 y of initiating first-line chemoimmunotherapy. ^bRefractory: No response or relapse within 6 mo after therapy. CDouble refractory: Refractory to both

- All patients had ≥2 prior lines of therapy, including an anti-CD20 mAb and an alkylating agent
- Other prior systemic treatments included anthracyclines (77%), bendamustine (63%), nucleotides (48%), topoisomerase inhibitors (36%), IMiDs (31%), PI3K inhibitors (23%), and CAR T-cell therapy (5%)

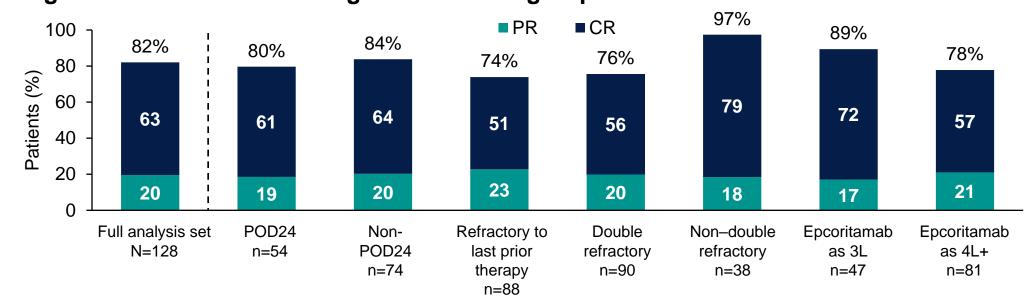
Treatment Exposure and Follow-Up

	N=128
Median follow-up, mo (range)	17.4 (0.2+ to 30.1)
Epcoritamab treatment exposure	
Median number of treatment cycles initiated (range)	8 (1–33)
Median duration of treatment, mo (range)	8.3 (0.03–30)
Ongoing treatment, n (%)	47 (37)
Discontinued treatment, n (%)	81 (63)
PD	44 (34)
AE	24 (19)
COVID-19 ^a	12 (9)
Decision to proceed to transplant	4 (3)
Patient withdrawal	3 (2)
Other	6 (5)

Efficacy Results

High ORRs and CR Rates Regardless of Subgroup

Median follow-up: 17.4 mo

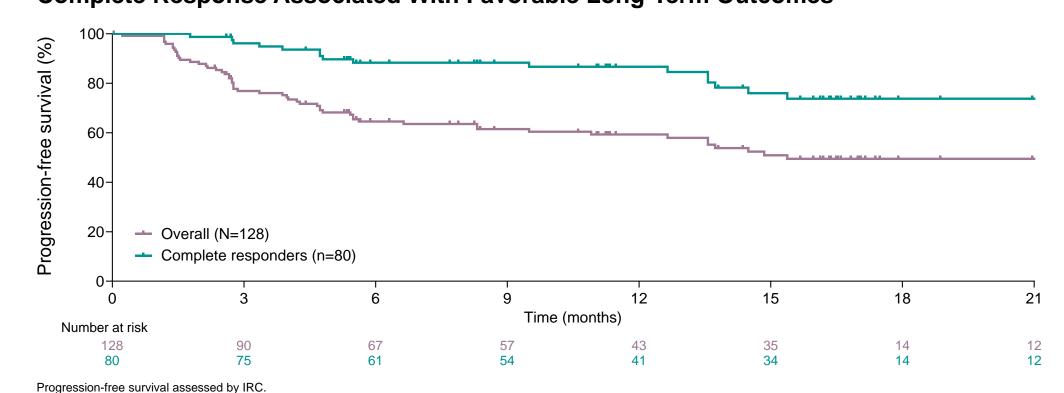


Responses Ware Farly Deen and Durable

Efficacy Parameters	N=128
Median time to response, mo (range)	1.4 (1.0–3.0)
Median time to complete response, mo (range)	1.5 (1.2–11.1)
Median duration of response, mo (95% CI) ^a	NR (13.7-NR)
Median duration of complete response, mo (95% CI) ^a	NR (21.4–NR)
MRD negativity, n (%) ^b	61 (67)
Median progression-free survival, mo (95% CI) ^a	
Overall (N=128)	15.4 (10.9–NR)
Complete responders (n=80)	NR (22.8-NR)
MRD-negative patients (n=61)	NR (22.8-NR)
Median overall survival, mo (95% CI) ^a	NR (NR-NR)
Median time to next therapy, mo (range) ^a	NR (0.2+ to 30.0+)

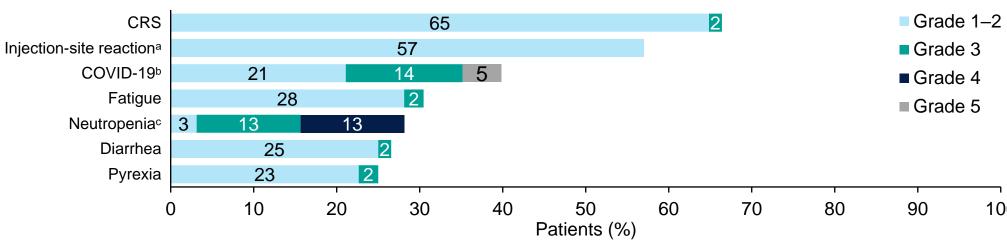
- High MRD-negativity rate observed
- MRD negativity was associated with improved progression-free and overall survival
- 71 patients remained in complete response as of data cutoff

Complete Response Associated With Favorable Long-Term Outcomes



Safety Profile

Common (>20%) TEAEs Mostly Low Grade



^aCombined term includes injection-site reaction, erythema, inflammation, nodule, pain, pruritus, rash, and swelling. ^bCombined term includes COVID-19 and COVID-19 pneumonia. ^cCombined term includes neutropenia and neutrophil count decreased.

- Safety findings were generally consistent with previous reports of epcoritamab
- Grade ≥3 TEAEs occurred in 88 patients (69%); 48 patients (38%) had grade ≥3 TEAEs reported as related to epcoritamab

- Febrile neutropenia was reported in 4 patients (3%; all grade 3)

• The trial, conducted during the global COVID-19 pandemic, was impacted by prevailing COVID-19 trends, including the highly infectious Omicron variant

 The outcomes of COVID-19 cases were consistent with expected outcomes based on well-known risk factors for severe COVID-19 (eg, age and other comorbidities)

- TEAEs led to treatment discontinuation in 24 patients (19%); half of these TEAEs were due to COVID-19
- 5 patients (4%) discontinued treatment due to TEAEs reported as related to epcoritamab: 1 patient each with COVID-19, pneumonitis, enteritis, and diarrhea; 1 patient with both fatigue and malaise
- 13 patients (10%) had fatal TEAEs, and 6 (5%) were due to COVID-19
- No clinical tumor lysis syndrome was reported

C1 Optimization With 3 SUD Substantially Reduced Risk and Severity of CRS

	Pivotal Cohort N=128	C1 Optimization Cohort ^a N=50
CRS, n (%) ^b	85 (66)	24 (48)
Grade 1	51 (40)	20 (40)
Grade 2	32 (25)	4 (8)
Grade 3	2 (2)	0
Treated with tocilizumab, n (%)	31 (24)	6 (12)
Leading to epcoritamab discontinuation, n (%)	0	0
CRS resolution, n/n (%)	85/85 (100)	24/24 (100)
Median time to resolution, d (range)	2 (1–54)	3 (1–14)
^a Data cutoff: September 21, 2023, Median follow-up: 3.8 mo (range, 1.9–8.7), ^b Graded by Lee et al 2019 criteria. ¹³		

Baseline characteristics were consistent between cohorts

In both cohorts, CRS was mostly confined to C1

and resolved; none led to discontinuation)

- Similar response rates were observed in the C1 optimization cohort
- There were no cases of ICANS in the C1 optimization cohort; 8 cases were observed in the pivotal cohort (all grade 1–2

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