

Best Practices for the Multidisciplinary Management of

Using Antibody Therapeutics

NHL



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Best Practices for the Multidisciplinary Management of NHL Using Antibody Therapeutics

PROGRAM CHAIR

Mehdi Hamadani, MD Professor of Medicine Chief of Hematologic Malignancies Medical College of Wisconsin Milwaukee, WI

PROGRAM OVERVIEW

This virtually live TeleECHO educational series is designed to assist members of the multidisciplinary oncology care team in identifying approaches to the use of novel antibody therapeutics in the management of B-cell non-Hodgkin's lymphoma (NHL), particularly diffuse large B-cell lymphoma (DLBCL). This program features expert analysis of the latest clinical trial outcomes and potential adverse events associated with novel antibody therapeutics, as well as discussion of best practices for multidisciplinary management of B-cell NHL to improve long-term clinical outcomes.

TARGET AUDIENCE

This activity is designed to meet the educational needs of community-based oncologists, hematologists, nurse practitioners, pharmacists, and other members of the multidisciplinary oncology care team.

LEARNING OBJECTIVES

- Recognize the function of novel antibody therapeutics and combinations in the management of NHL
- Evaluate contemporary clinical trial data informing the use and development of antibody therapeutics in Bcell NHL
- Assess potential adverse events associated with antibody therapeutics in NHL and best practices for management of potential adverse events in the context of the multidisciplinary oncology care team

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Faculty Member	Disclosures
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	CRISPR, Bristol Myers Squibb, Kite, AbbVie, Caribou, and Genmab. Dr. Hamadani has
Medhi Hamadani, MD	served on the speaker's bureau for ADC Therapeutics, AstraZeneca, BeiGene, and
	Kite. In addition, Dr. Hamadani has conducted contracted research for ADC
	Therapeutics, Spectrum Pharmaceuticals, and Astellas Pharma.

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AGENDA

I. Introduction

- a. Epidemiology of B-cell non-Hodgkin lymphomas
 - i. Relevant subtypes of NHLs (e.g., DLBCL, MCL, and FL)
- b. Overview of the state of the art of with targeted therapies (e.g., CAR T-cell therapies, antibodies, checkpoint inhibitors, ADCs)
- c. Considering the role of CD20 and CD3 expression in B-cell NHL
- d. The role of antibody-drug conjugates, as well as bispecific antibodies for B-cell NHL

II. Developments in Therapy for B-Cell NHL

- a. B-Cell Lymphomas: Where are We Now and Where Are We Going?
 - i. NHL assessment
 - 1. Methods of assessment (e.g., immunohistochemistry, flow cytometry, karyotype,
 - translocations, and presence or absence of gene rearrangements)
 - ii. B-cell lymphoma therapies
 - 1. Indolent versus aggressive lymphomas
 - a. Treatment strategies following initial diagnosis
 - b. Treatment in the relapsed/refractory settings
 - iii. Efficacy and safety of antibody therapeutics
 - Polatuzumab vedotin (including frontline use with Pola-R-CHP based on POLARIX [NCT03274492], as well as use following 3 prior therapies with pola-BR), and results of the PolaR-ICE study, and other combination studies
 - 2. Tafasitamab vedotin (L-MIND study in R/R DLBCL)
 - 3. Loncastuximab teserine (LOTIS-2 trial and follow-up, as well as RE-MIND-2, and other ongoing results from the LOTIS clinical study program)
 - iv. Basis for approval in relapsed/refractory NHL, including clinical trial outcomes
 - 1. Mosunetuzumab (GO29781)
 - 2. Epcoritamab (EPCORE NHL-1/2)
 - 3. Glofitamab (NP30179)
 - v. Further agents in development, including clinical trial outcomes
 - 1. Odronextamab (ELM-1 and ELM-2)
 - 2. Invotamab (ongoing phase ½ clinical trial of invotamab as monotherapy and in combination with loncastuximab teserine)
 - 3. Plamotamab (phase 1 study in relapsed/refractory NHL)
 - 4. Bispecific T-cell engagers

III. Discussing Treatment Considerations with Patients

- a. Best Practices in Discussing Therapeutic Options in Later-Line B-Cell Lymphoma Management
 - i. Discussing specific therapeutic options in the management of B-cell lymphomas
 - 1. Recognizing potential adverse events with antibody-drug conjugates, as well as bispecific antibodies
 - 2. Best practices for discussing therapeutic options, infusion time, and benefits of therapy with patients
 - 3. Discussing clinical trial opportunities with patients with enhanced anti-CD20 therapy

IV. Conclusions/Key Takeaways

a. Opportunities and best practices for use of novel therapeutic combinations in B-cell lymphoma to overcome resistance to prior anti-CD20 therapy

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Disclosures

 Mehdi Hamadani, MD, reports that he is a consultant for ADC Therapeutics, AbbVie, Omeros, BMS, Kite, Genmab, CRISPR, Autolus, Caribou and Forte Biosciences; he also is a speaker for Sanofi, AstraZeneca, BeiGene, ADC Therapeutics, and Kite Pharma and provides contract research funding to ADC Therapeutics and Spectrum Pharmaceuticals

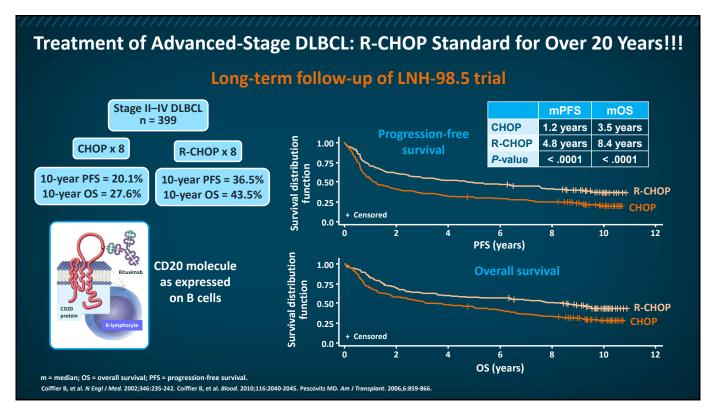
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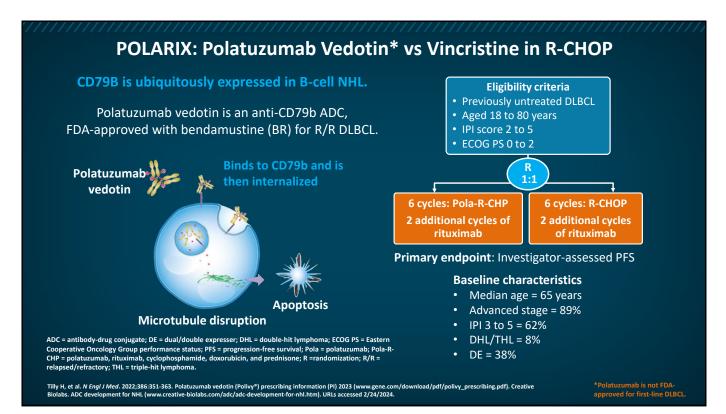
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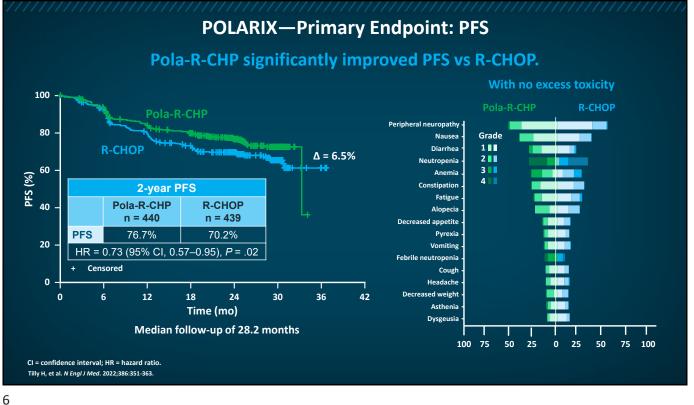
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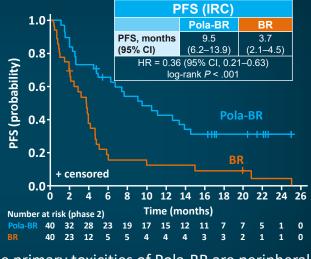


Randomized Phase 2 Trial of Polatuzumab-BR vs BR in R/R DLBCL

Patients receive	d up to	six	21-day c	/			
Baseline characteristics	BR (n = 40))	Pola-BR (n = 40)				
Median age, years	71 (30–8	34)	67 (33–86)				
IPI ≥3, n (%)	29 (73)	22 (55)				
Median prior treatment, n (range)	2 (1–5)	2 (1–7)				
Prior BMT, n (%)	6 (15)		10 (25)				
	BR	P	ola-BR				

Response	BR (n = 40)	Pola-BR (n = 40)
ORR	17.5%	45.0%
CR	17.5%	40.0%

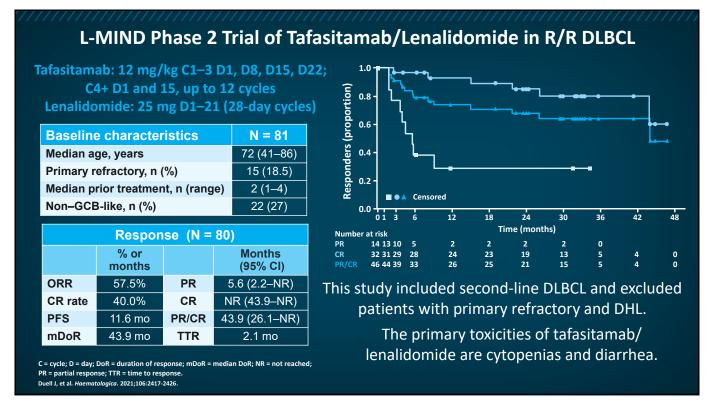


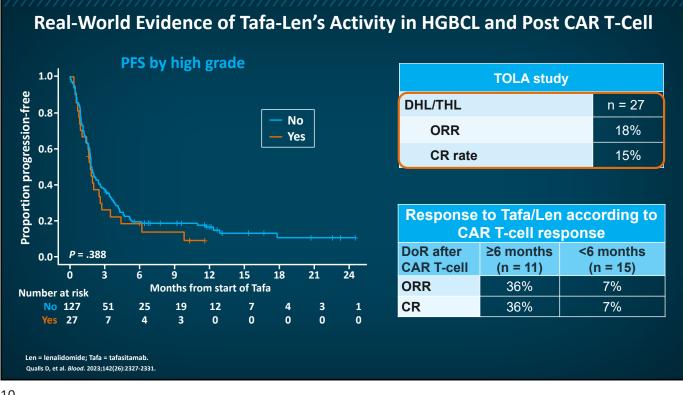


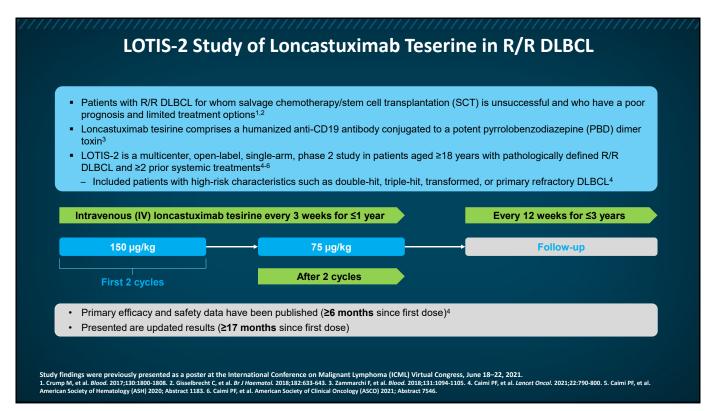
The primary toxicities of Pola-BR are peripheral sensory neuropathy and cytopenias.

Best response to Pola-BR	All patients (N = 133)	Prior CAR-T (n = 16)	DHL/THL (n = 14)	Transformed lymphoma (n = 31)	Stand alone treatment (n = 78)	Bridge to CAR-T (n = 40)	>1 prior lines of treatment (n = 86)
CR	42	3	3	11	31	7	21
	(31.6%)	(18.8%)	(21.4%)	(35.5%)	(39.7%)	(17.5%)	(24.4%)
PR	31	4	2	10	19	9	19
	(23.3%)	(25.0%)	(14.3%)	(32.3%)	(24.4%)	(22.5%)	(22.1%)
SD	13	3	2	2	5	6	11
	(9.8%)	(18.8%)	(14.3%)	(6.5%)	(6.4%)	(15.0%)	(12.8%)
PD	42	6	6	7	21	16	32
	(31.6%)	(37.5%)	(42.9%)	(22.6%)	(26.9%)	(40.0%)	(37.2%)
Missing	5 (3.8%)	0 (0.0%)	1 (7.1%)	1 (3.2%)	2 (2.6%)	2 (5.0%)	3 (3.5%)
ORR	57.0%	43.8%	38.5%	70.0%	65.8%	42.1%	48.2%
(95% CI)	(48.0–65.7%)	(19.8–70.1%)	(13.9–68.4%)	(50.6–85.3%)	(54.0–76.3%)	(26.3–59.2%)	(37.1–59.4%)

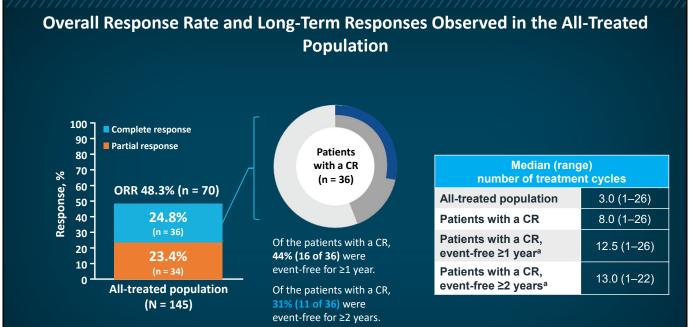
CR = complete response; PD = progressive disease; PR = partial response; SD = stable disease. Northend M, et al. *Blood Adv.* 2022;6:2920-2926.







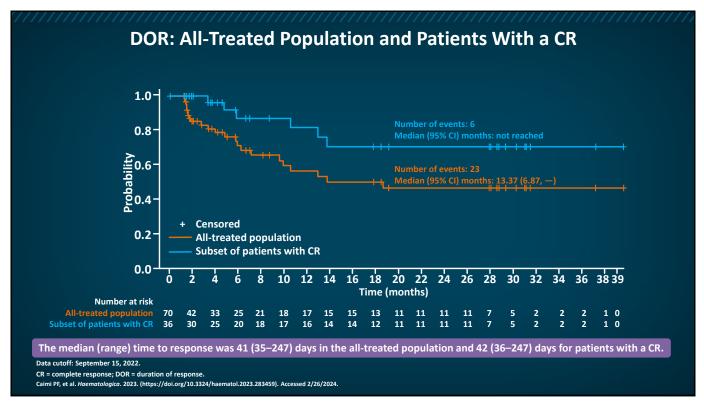
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Data cutoff: September 15, 2022.

The median duration of follow-up was 7.8 months (range, 0.3–42.6 months) in the all-treated population and 35.0 months (range, 4.4–42.6 months) in patients with a CR. ^aEvent-free is defined as no progressive disease or death starting from Day 1, Cycle 1 of Lonca treatment.

CR = complete response; Lonca = loncastuximab tesirine-lpyl; ORR = overall response rate. Caimi PF, et al. *Haematologica*. 2023. (https://doi.org/10.3324/haematol.2023.283459). Accessed 2/26/2024.



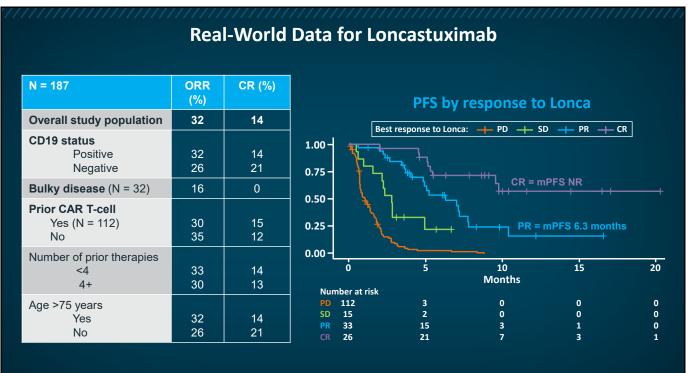
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TEAEs, any grade in ≥30% of patients	All-treated population N = 145	Patients with a CR n = 36	TEAEs, grade ≥3 in ≥10% of patients	All-treated population N = 145	Patients with a CR n = 36
Patients with any TEAE	98.6%	100%	Patients with any TEAE	73.8%	75%
Increased GGT	42%	50%	Neutropenia	26%	28%
Neutropenia	40%	42%	Thrombocytopenia	18%	19%
Thrombocytopenia	33%	36%	Increased GGT	17%	19%
Anemia	26%	36%	Anemia	10%	8.3%
Peripheral edema	20%	33%	Leukopenia	9%	14%
Nausea	23%	31%	Hypophosphatemia	6%	11%

No new safety signals were identified during the long-term follow-up.

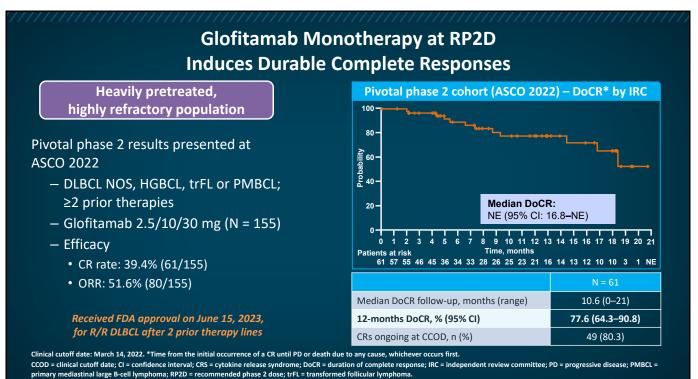
Data cutoff: September 15, 2022.

GGT = gamma-glutamyltransferase; TEAE = treatment emergent adverse events. Caimi PF, et al. *Haematologica*. 2023. (https://doi.org/10.3324/haematol.2023.283459). Accessed 2/26/2024.



Ayers E, et al. ASH 2023; Abstract 312.

		Ste	ep-up o	losing protocol	
Patient group	n	ORR, %	CR, %		CR
All LBCL	157	63	39	E The second sec	PR
• <65 years of age	80	56	35		Ongoing response
 65 to <75 years 	48	69	40		🛆 Transplant
 >75 years 	29	72	48		
 De novo DLBCL 	97	61	37	Patients	n = 61
• tDLBCL	40	68	45		
 Primary refractory 	96	55	30		
 CAR T-cell therapy naïve CAR T-cell therapy exposed CAR T-cell therapy 	96 61 46	69 54 46	42 34 28	0 6 12 18 24 30 36 42 48 54 60 Time on treatment (weeks)	66 72 78 84
refractory				CRS parameter	LBCL (N = 157)
 2 prior lines 	46	65	35	CRS events, n (%)	78 (49.7)
 3 prior lines 	50	64	40	Grade 1 to 2	74 (47.1)
 4 prior lines 	61	61	41	Grade 3	4 (2.5)
Received FDA approval on I	May 19, 202	23, for R/R I	DLBCL	Median time to resolution from first full dose, days	2
after 2 prior	therapy lin	es		Treated with tocilizumab, n (%)	22 (14.0)
				ICANS Grade 1 to 2 ICANS Grade 3 or more	5.7%



Dickinson MJ, et al. ASCO 2022; Abstract 7500. Dickinson M, et al. N Engl J Med. 2022;387:2220-2231.

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			ASI	H 2023														
	All patients (N = 155)*	R/R DLBCL/trFL (N = 132) ^{1†‡}	Prior CAR T-cell (N = 52) [†]	10	10 -	飞		C	000	R	by	IR	С				(N = 62)	
DRR , n (%) [95% Cl]	80 (52) [43.5–59.7]	74 (56)	26 (50) [35.8–64.2]	Probability (%)	30 -	L		.		- -	<u>کے اور</u>			+		CAR-T	trFL (N (N = 19	
	62 (40)	58 (44)	19 (37)	, bilit	io -						7			<u>-</u>				
CR rate, n (%) [95% Cl] [32.2–48.2]	[32.2–48.2]	[35.3–52.8]	[23.6–51.0]	oba	ю-							۱	L					
Median DoCR, months 26.9 (95% Cl) (19.8–NR)	26.9	28.3	22.0		20 -													
	(19.8–NR)	(19.8–NR)	(6.7–NR)															
4-month DoCR, %	55.0	56.2	33.1		0 1	3	6	9	12	15	18	21	24	27	30	33	36	39
95% CI)	(41.1–68.8)	(41.9–70.4)	(7.2–59.0)							Т	ime	(mon	ths)					
ledian CR follow-up,	29.6	29.6	23.0	All patient (N = 62 R/R DLBCL/trFL		51	46	40	39		35	28	23	18				NE
nonths (range)	(0–39)	(0–39)	(0–33)	(N = 58 Prior CAR T-cel		48	44	39	38	36	34 9	27	22	17	12	7 NE	4 NE	NE
Ongoing CRs, n/N (%)	34/62 (55)	32/58 (55)	10/19 (53)	_(N = 19) • Med	ian	time	e on	stu	dv: (32.1	mo	nth	s (ra	inae	: 0–	43)		

*Intent-to-treat population (DLBCL, trFL, HGBCL, and PMBCL). †Patients in this subgroup had similar baseline characteristics to the overall population. ‡Primary efficacy population reported in the glofitamab USPI, all patients received at least 1 dose of glofitamab. CI = confidence interval; NE = not estimable; NR = not reached; USPI = United States prescribing information.

Gloftamab-gxbm (Columvi^m) PI 2023 (https://www.accessdata.fda.gov/drugsatfda_docs/label/2023/label/2023/foi309s000lbl.pdf). Accessed 2/24/2024; Hutchins M et al. ASH 2023; Abstract 433.

