

ADVANCEMENTS IN AGGRESSIVE NON-HODGKIN LYMPHOMAS (NHL)

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WELCOMING REMARKS

ADVANCEMENTS IN AGGRESSIVE NON-HODGKIN LYMPHOMAS (NHL)



Lizette Figueroa-Rivera, MA
Senior Director, Education & Support
The Leukemia & Lymphoma Society
Rye Brook, NY

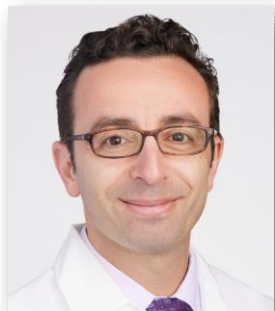


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PRESENTATION

ADVANCEMENTS IN AGGRESSIVE NON-HODGKIN LYMPHOMAS (NHL)



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DISCLOSURES

ADVANCEMENTS IN AGGRESSIVE NON-HODGKIN LYMPHOMAS (NHL)

Joshua Brody, MD, receives research funding from:

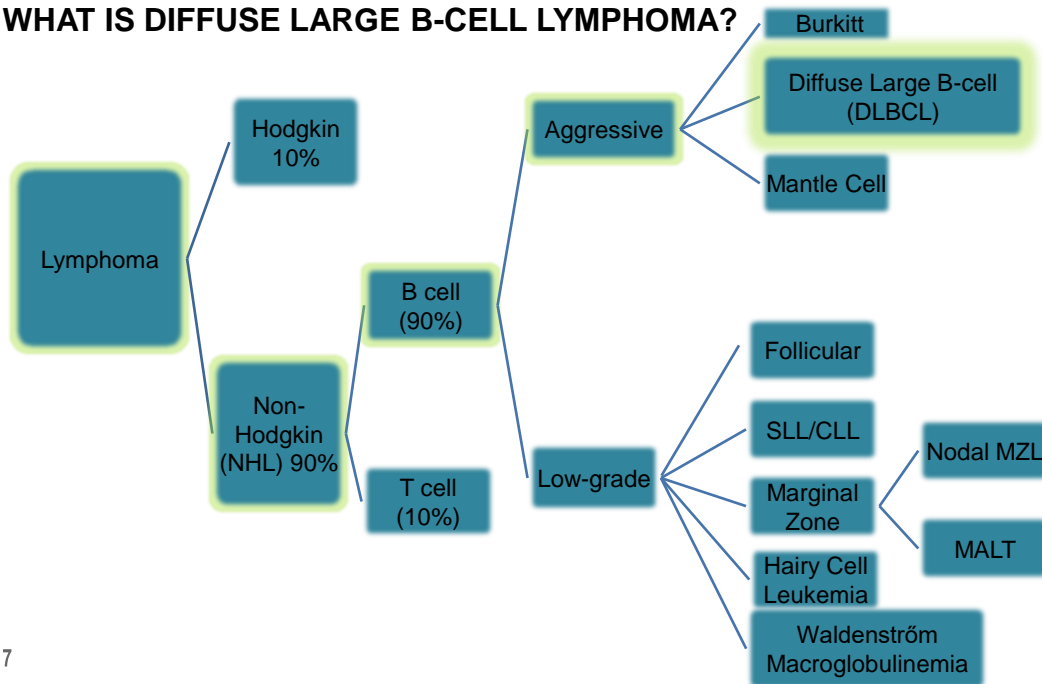
- National Cancer Institute
- Cancer Research Institute
- Lymphoma Research Foundation
- Follicular Lymphoma Research Foundation
- Department of Defense
- AbbVie, ADC Therapeutics, AstraZeneca, BMS, Celldex, Genentech, Genmab, Merck, Oncovir, Seagen

4



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WHAT IS DIFFUSE LARGE B-CELL LYMPHOMA?



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WHAT IS DIFFUSE LARGE B-CELL LYMPHOMA?

(THE FULL LIST)

Mature B-cell neoplasms	Hodgkin lymphoma
Chronic lymphocytic leukemia/small lymphocytic lymphoma	Nodular lymphocyte predominant Hodgkin lymphoma
B-cell prolymphocytic leukemia	Classical Hodgkin lymphoma
Splenic marginal zone lymphoma	Nodular sclerosing classical Hodgkin lymphoma
Hairy cell leukemia	Lymphocyte-rich classical Hodgkin lymphoma
Splenic lymphoma/leukemia, unclassifiable*	Mixed cellularity classical Hodgkin lymphoma
Splenic diffuse red pulp small B-cell lymphoma*	Lymphocyte-depleted classical Hodgkin lymphoma
Hairy cell leukemia variant*	Histiocytic and dendritic cell neoplasms
Lymphoplasmacytic lymphoma	Histiocytic sarcoma
Waldenström macroglobulinemia	Langerhans cell histiocytosis
Heavy chain diseases	Langerhans cell sarcoma
α Heavy chain disease	Interdigitating dendritic cell sarcoma
γ Heavy chain disease	Follicular dendritic cell sarcoma
μ Heavy chain disease	Fibroblastic reticular cell tumor
Plasma cell myeloma	Intermediate dendritic cell tumor
Solitary plasmacytoma of bone	Disseminated juvenile xanthogranuloma
Extramedullary plasmacytoma	
Extranodal marginal zone lymphoma of mucosa-associated lymphoid tissue (MALT lymphoma)	Posttransplantation lymphoproliferative disorders (PTLDs)
Nodal marginal zone lymphoma	Early lesions
Pediatric nodal marginal zone lymphoma*	Plasmacytic hyperplasia
Follicular lymphoma	Infectious mononucleosis-like PTLD
Pediatric follicular lymphoma*	Polyomorphic PTLD
Primary cutaneous follicle center lymphoma	Monomorphic PTLD (B- and T/NK-cell types)†
Mantle cell lymphoma	Classical Hodgkin lymphoma type PTLD†
Diffuse large B-cell lymphoma (DLBCL), NOS	
T-cell/histiocyte rich large B-cell lymphoma	Mature T-cell and NK-cell neoplasms
Primary DLBCL of the CNS	T-cell prolymphocytic leukemia
Primary cutaneous DLBCL, leg type	T-cell large granular lymphocytic leukemia
EBV-positive DLBCL of the elderly*	Chronic lymphoproliferative disorder of NK cells*
DLBCL associated with chronic inflammation	Aggressive NK-cell leukemia
Lymphomatoid granulomatosis	Systemic EBV-positive T-cell lymphoproliferative disease of childhood
Primary mediastinal (thymic) large B-cell lymphoma	Hydronephrosis-like lymphoma
Intravascular large B-cell lymphoma	Adult T-cell leukemia/lymphoma
ALK-positive large B-cell lymphoma	Extranodal NK/T-cell lymphoma, nasal type
Plasmablastic lymphoma	Enteropathy-associated T-cell lymphoma
Large B-cell lymphoma arising in HHV8-associated multicentric Castelman disease	Hepatosplenic T-cell lymphoma
Primary effusion lymphoma	Subcutaneous panniculitis-like T-cell lymphoma
Burkitt lymphoma	Mycosis fungoides
B-cell lymphoma, unclassifiable, with features intermediate between diffuse large B-cell lymphoma and Burkitt lymphoma	Seczary syndrome
B-cell lymphoma, unclassifiable, with features intermediate between diffuse large B-cell lymphoma and classical Hodgkin lymphoma	Primary cutaneous CD30+ T-cell lymphoproliferative disorders
	Lymphomatoid papulosis
	Primary cutaneous anaplastic large cell lymphoma
	Primary cutaneous γδ T-cell lymphoma
	Primary cutaneous CD8+ aggressive epidermotropic cytotoxic T-cell lymphoma*
	Primary cutaneous CD4+ small/medium T-cell lymphoma*
	Peripheral T-cell lymphoma, NOS
	Angioimmunoblastic T-cell lymphoma
	Anaplastic large cell lymphoma, ALK-positive
	Anaplastic large cell lymphoma, ALK-negative†

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WHAT IS DIFFUSE LARGE B-CELL LYMPHOMA?

Lymphomas: how to think about them

Diagnosis

Prognosis

Treatment

- Surgery
- Radiation
- Chemotherapy
- Passive immunotherapy
(Antibodies, CARs)
- Kinase inhibitors
- Epigenetic modifiers
- Active immunotherapy



Like most veterinary students, Doreen breezes through chapter 9.

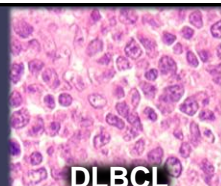
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WHAT IS DIFFUSE LARGE B-CELL LYMPHOMA (DLBCL)?

Diagnosis

What does it look like: Diffuse, Large, B cells
Surface markers: CD19/CD20(+)



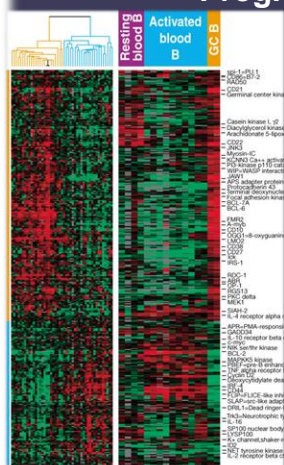
DLBCL

Prognosis: curable 65%

- IPI:
- Age
 - Performance
 - LDH
 - Extranodal disease
 - Stage

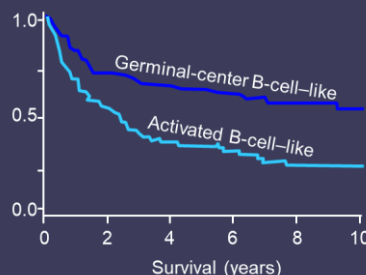


Follicular




DNA/RNA?

Transcriptome (Microarrays)



IPI, International Prognostic Index. Alizadeh AA et al. Nature. 2000;403:503-511.


10

 **HOW WE TREAT DLBCL:**


Diagnosis

Prognosis


Treatment: chemotherapy + anti-CD20 antibody +/- antibody drug conjugate
=> (relapse) CAR-T cells or high-dose chemo + BMT
=> (relapse) bispecific antibodies or several others



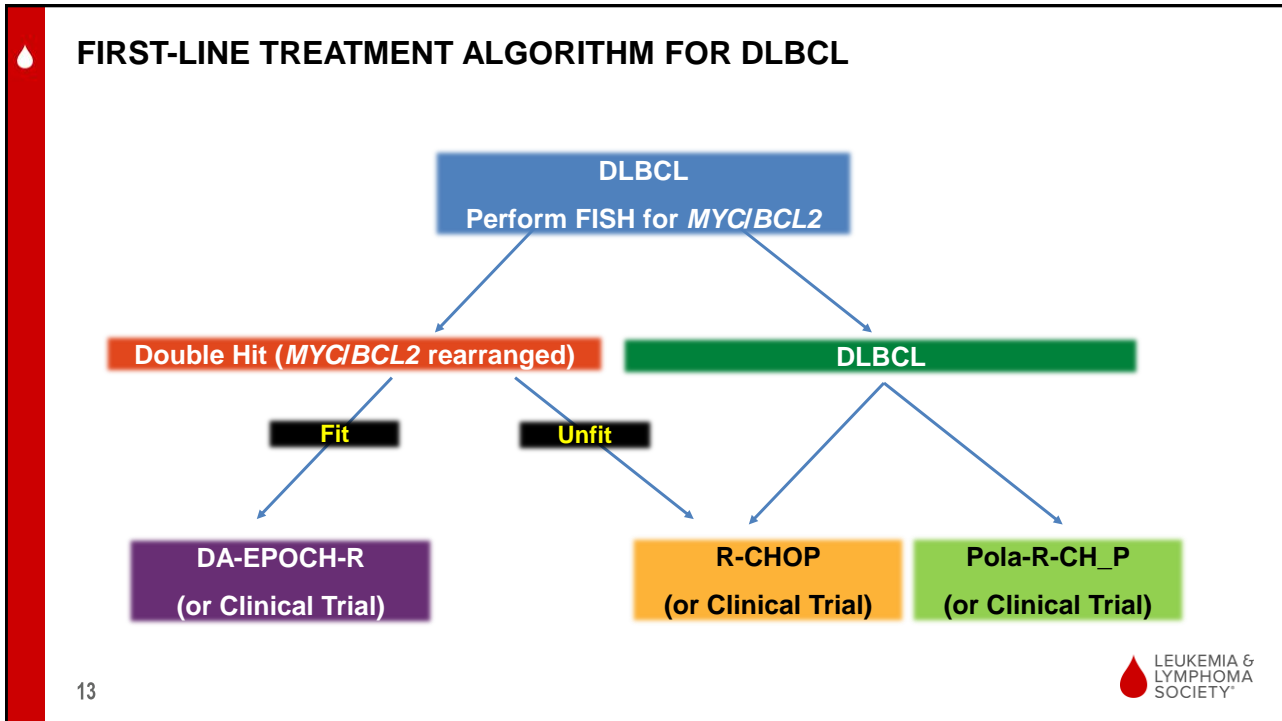
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 **TREATMENT OF FIRST-LINE
DLBCL**

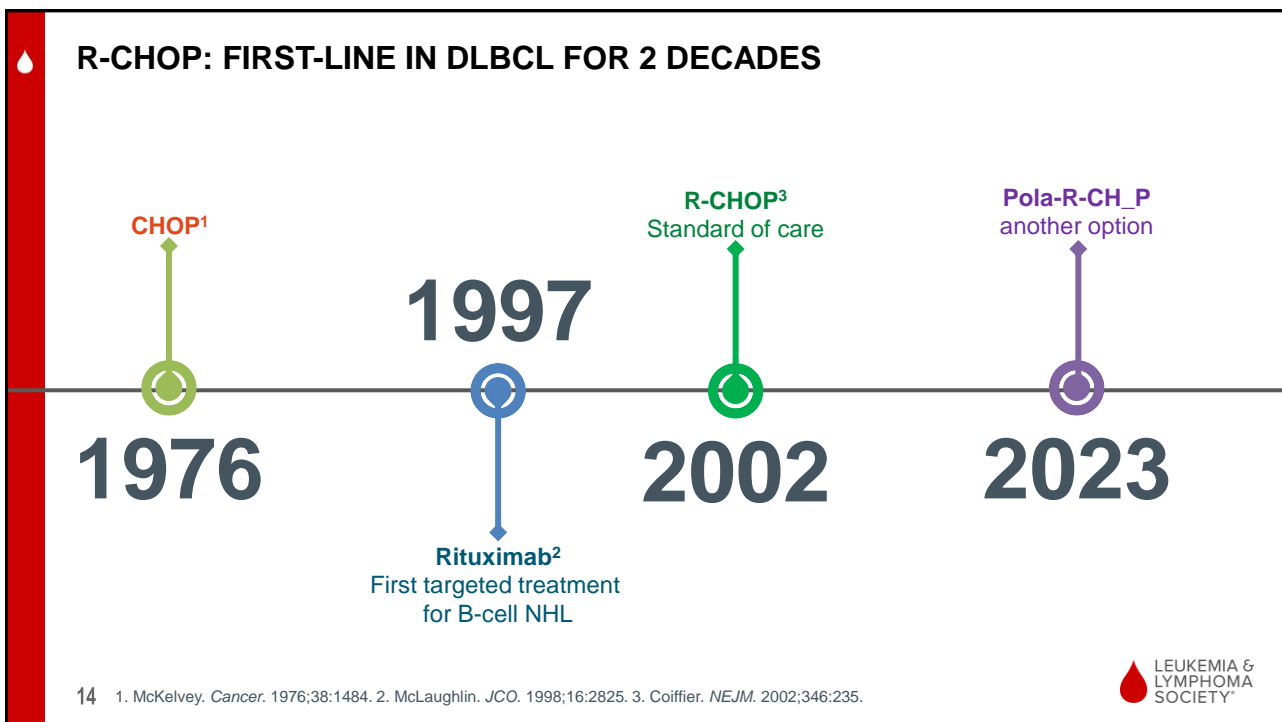
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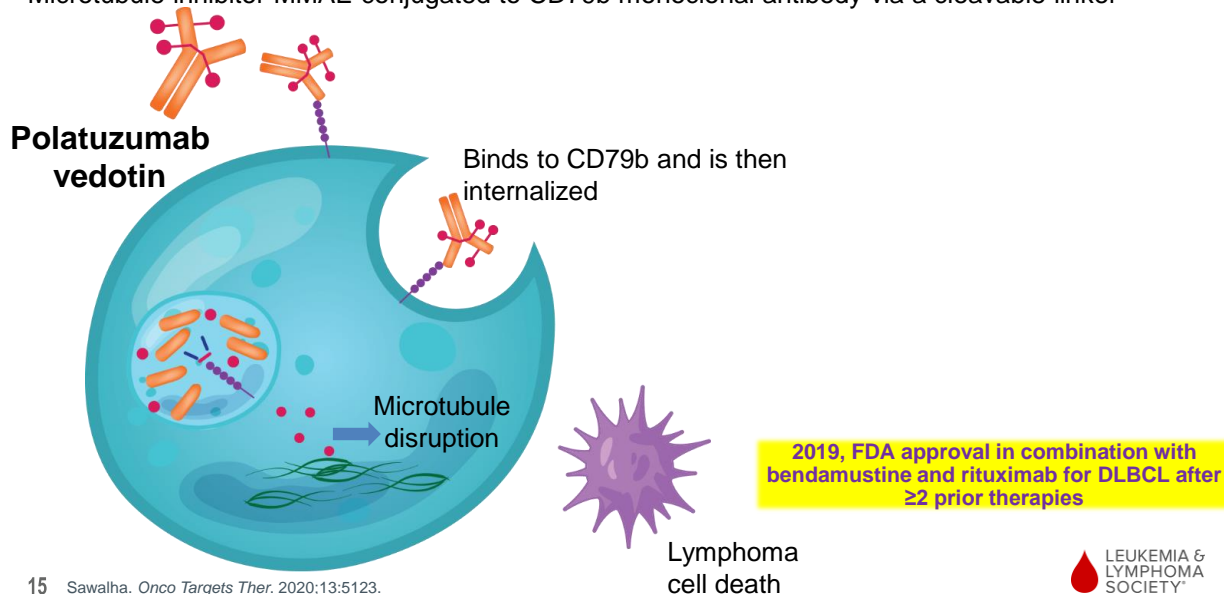
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POLATUZUMAB VEDOTIN: MECHANISM OF ACTION

Microtubule inhibitor MMAE conjugated to CD79b monoclonal antibody via a cleavable linker

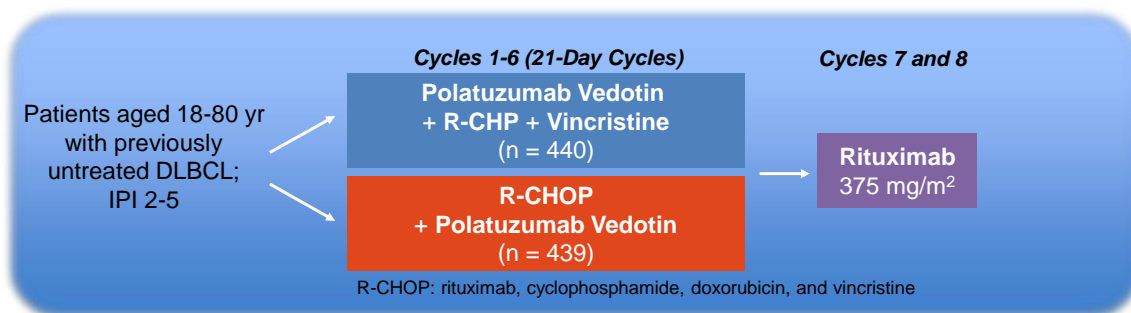


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FIRST-LINE DLBCL TREATMENT:

POLARIX TRIAL: POLATUZUMAB + R-CHP vs R-CHOP (PREVIOUSLY UNTREATED DLBCL)

- Multicenter, double-blind, placebo-controlled, phase 3 trial



- **Primary endpoint:** investigator-assessed progression-free survival (PFS)

16 IPI, International Prognostic Index. Tilly. ASH 2021. Abstr LBA1. Tilly. *NEJM.* 2022;386:351.

16

FIRST-LINE DLBCL TREATMENT: POLARIX TRIAL: POLATUZUMAB + R-CHP vs R-CHOP (PREVIOUSLY UNTREATED DLBCL) Baseline Characteristics

Characteristic	Polatuzumab vedotin + R-CHP (n = 440)	R-CHOP (n = 439)
Median age, yr (range)	65 (19-80)	66.0 (19-80)
Male, n (%)	239 (54)	234 (53)
ECOG PS 0/1, n (%)	374 (85)	363 (83)
Bulky disease (≥7.5 cm), n (%)	193 (44)	192 (44)
Elevated LDH, n (%)	291 (66)	284 (65)
Median time from diagnosis to treatment initiation, days	26	27
Ann Arbor stage III/IV, n (%)	393 (89)	387 (88)
Extranodal sites (≥2), n (%)	213 (48)	213 (49)

Characteristic, n (%)	Polatuzumab vedotin + R-CHP (n = 440)	R-CHOP (n = 439)
IPI score		
▪ 2	167 (38)	167 (38)
▪ 3-5	273 (62)	272 (62)
Cell of origin		
▪ ABC	102 (31)	119 (35)
▪ GCB	184 (56)	168 (50)
▪ Unclassified	44 (13)	51 (15)
MYC/BCL2 expression	139 (38)	151 (41)
MYC/BCL2/BCL6 rearrangement	26 (8)	19 (6)

17 IPI, International Prognostic Index. Adapted from Tilly. *NEJM*. 2022;386:351.



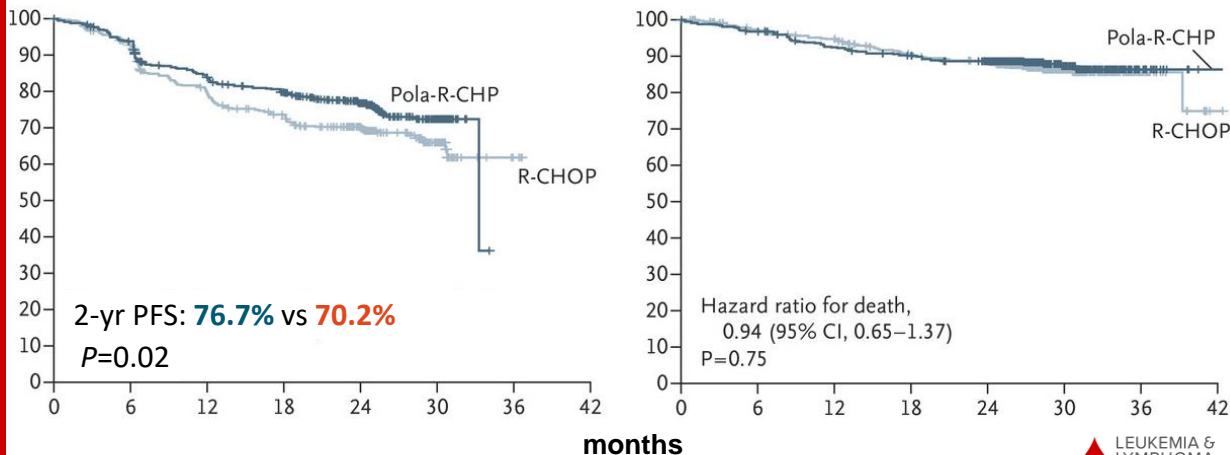
17

FIRST-LINE DLBCL TREATMENT: POLARIX TRIAL: POLATUZUMAB + R-CHP vs R-CHOP (PREVIOUSLY UNTREATED DLBCL)

Overall Response: **95.9 % vs 94.1%**

Complete Response: **86.6% vs 82.7%**

Median follow-up: **28.2 mo**

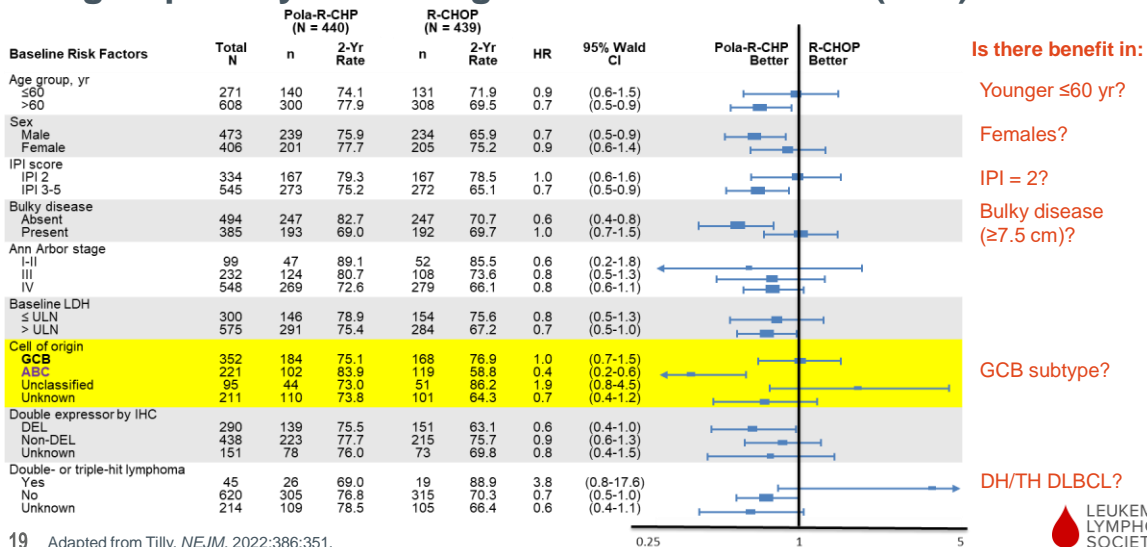


18 Adapted from Tilly. *NEJM*. 2022;386:351.



18

FIRST-LINE DLBCL TREATMENT: POLARIX TRIAL: POLATUZUMAB + R-CHP vs R-CHOP (PREVIOUSLY UNTREATED DLBCL) Subgroup Analysis of Progression-free Survival (PFS)



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FIRST-LINE DLBCL TREATMENT: POLARIX TRIAL: POLATUZUMAB + R-CHP vs R-CHOP (PREVIOUSLY UNTREATED DLBCL) Adverse Events

AEs, %	Pola + R-CHP (n = 435)		R-CHOP (n = 438)	
	Any Grade	Grade 3/4	Any Grade	Grade 3/4
Peripheral neuropathy	52.9	1.6	53.9	1.1
Nausea	41.6	1.1	36.8	0.5
Neutropenia	30.8	28.3	32.6	30.8
Diarrhea	30.8	3.9	20.1	1.8
Anemia	28.7	12.0	26.0	8.4
Constipation	28.7	1.1	29.0	0.2
Fatigue	25.7	0.9	26.5	2.5
Alopecia	24.4	0	24.0	0.2
Dec appetite	16.3	1.1	14.2	0.7

AEs, %	Pola + R-CHP (n = 435)		R-CHOP (n = 438)	
	Any Grade	Grade 3/4	Any Grade	Grade 3/4
Pyrexia	15.6	1.4	12.6	0
Vomiting	14.9	1.1	14.4	0.7
Febrile neutropenia	14.3	13.8	8.0	8.0
Headache	12.9	0.2	13.0	0.9
Cough	12.9	0	12.1	0
Dec weight	12.6	0.9	11.9	0.2
Asthenia	12.2	1.6	12.1	0.5
Dysgeusia	11.3	0	13.0	0

20 Tilly. *NEJM*. 2022;386:351.



20

TREATMENT OF *SECOND-LINE* DLBCL: Focus on Early Relapsed Disease

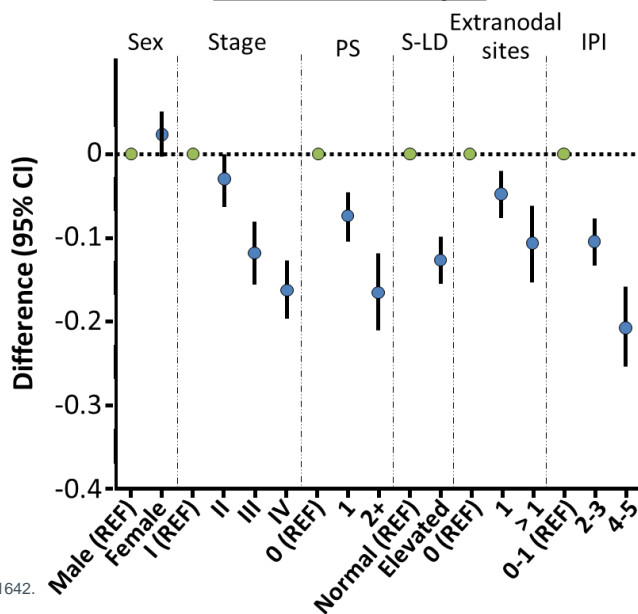
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WHO IS AT RISK OF RELAPSE AFTER FIRST-LINE TREATMENT?

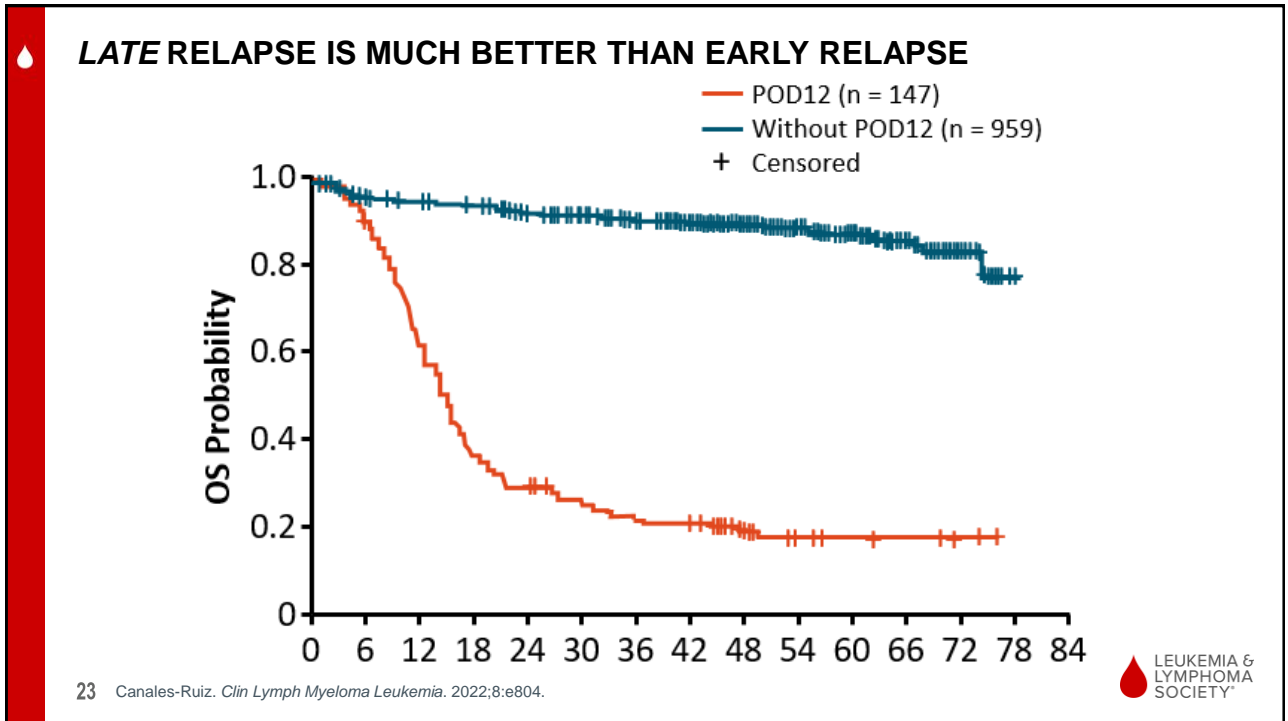
Predictors of Relapse



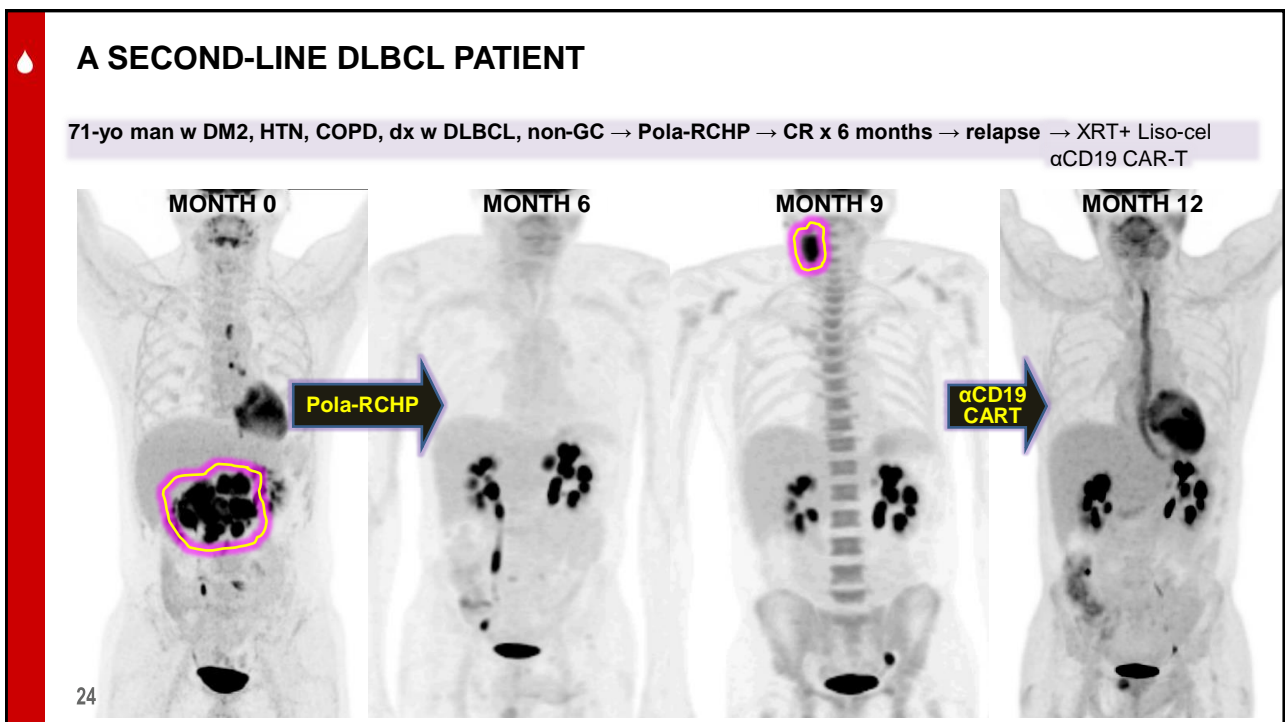
22 Ekberg. *Br J Cancer*. 2022;127:1642.



22

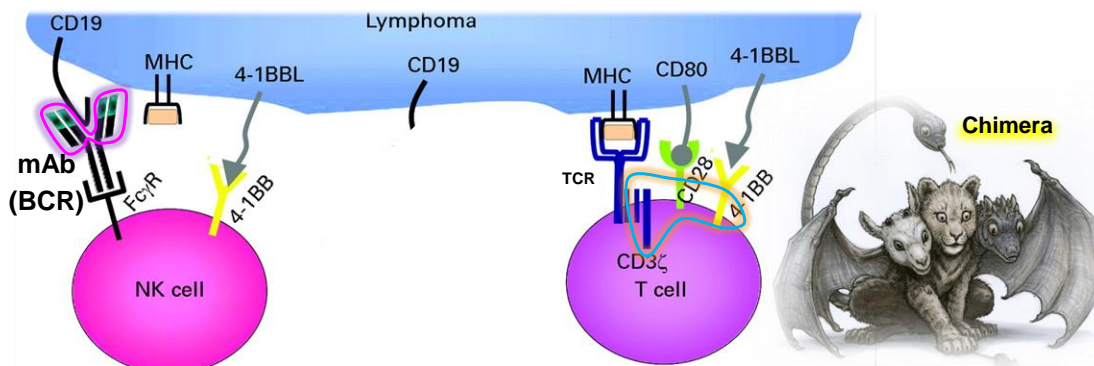


23



24

CAR: Chimera of 2 Antigen Receptors



- Antigen Receptor 1: antibody (recognition)
- Antigen Receptor 2: TCR (signaling)
- CAR-T: a T cell with a CAR shoved into it

25 Brody J, et al., *J Clin Oncol*. 2011.

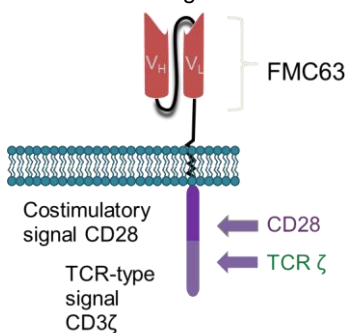


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CD19-TARGETED CAR T-CELL PRODUCTS IN DLBCL

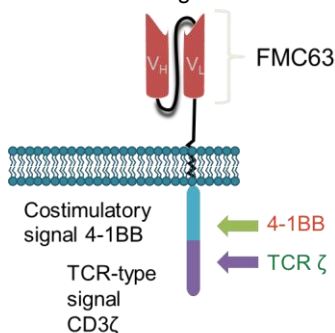
Axicabtagene ciloleucel (Axi-cel)

- CD28 costimulation
- Second generation



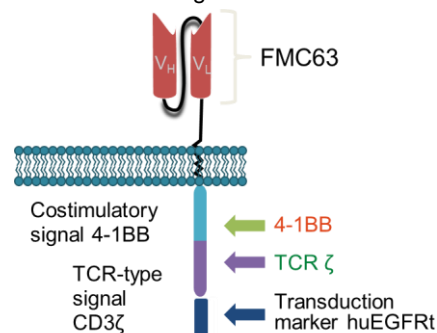
Tisagenlecleucel (Tisa-cel)

- 4-1BB costimulation
- Second generation



Lisocabtagene maraleucel (Liso-cel)

- 4-1BB costimulation
- Second generation



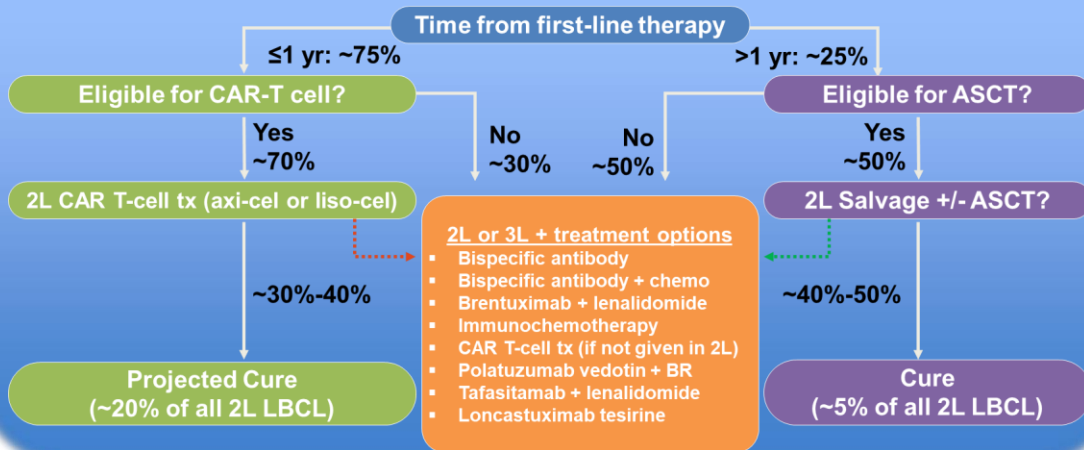
26 van der Stegen. *Nat Rev Drug Discov*. 2015;14:499.



26

CAR-T THERAPY HAS *DICHOTOMIZED* TREATMENT OF RELAPSED/REFRACTORY (R/R) DLBCL

Algorithm for Second-line (2L) Therapy of Large B-cell Lymphoma (LBCL)



27 Westin. *Blood*. 2022;139:2737.



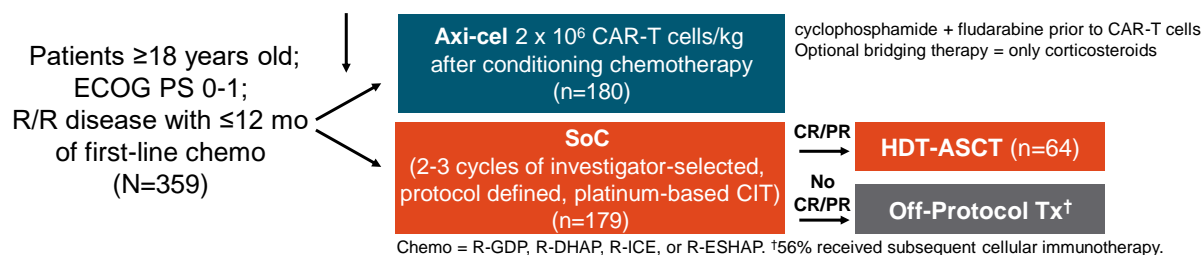
27

ZUMA-7: AXICABTAGENE CILOLEUCEL (AXI-CEL) vs CHEMO + ASCT IN RELAPSED/REFRACTORY (R/R) DLBCL

Study Design

- Randomized phase 3 trial

Stratified by first-line treatment response, second-line age-adjusted IPI



- Median follow-up: 24.9 mo

28 CIT, chemoimmunotherapy. Locke. *NEJM*. 2022;386:640; Locke. *ASH* 2021. Abstr 2.

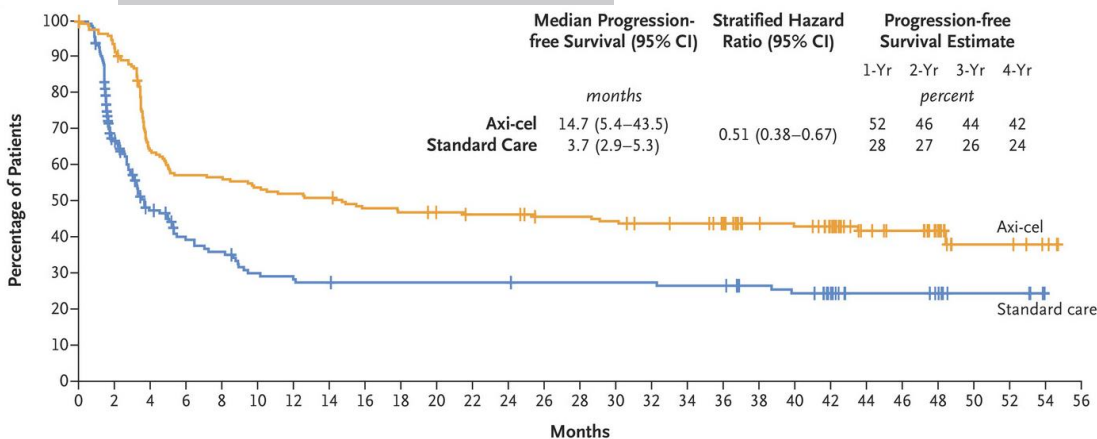


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ZUMA-7: AXI-CEL vs CHEMO + ASCT IN R/R DLBCL

Efficacy

Response, %	Axi-cel (n = 180)	SoC (n = 179)	P Value
ORR	83	50	<.001
▪ CR	65	32	



29 Locke. *NEJM*. 2022;386:640; Westin. *NEJM*. 2023.



29

ZUMA-7: AXI-CEL vs CHEMO + ASCT IN R/R DLBCL

Safety

Event, n/N (%)	Axi-cel (N=170)		Standard Care (N=168)	
	Any Grade	Grade ≥3	Any Grade	Grade ≥3
Febrile neutropenia	4/170 (2)	4/170 (2)	46/168 (27)	46/168 (27)
CRS	157/170 (92)	11/170 (6)	—	—
▪ Pyrexia	155/157 (99)	14/157 (9)	—	—
▪ Hypotension	68/157 (43)	18/157 (11)	—	—
▪ Sinus tachycardia	49/157 (31)	3/157 (2)	—	—
▪ Chills	38/157 (24)	0/157	—	—
▪ Hypoxia	31/157 (20)	13/157 (8)	—	—
▪ Headache	32/157 (20)	2/157 (1)	—	—
Neurologic events	102/170 (60)	36/170 (21)	33/168 (20)	1/168 (1)
▪ Tremor	44/170 (26)	2/170 (1)	1/168 (1)	0
▪ Confusional state	40/170 (24)	9/170 (5)	4/168 (2)	0
▪ Aphasia	36/170 (21)	12/170 (7)	0	0
▪ Encephalopathy	29/170(17)	20/170(12)	2/168 (1)	0
▪ Paresthesia	8/170 (5)	1/170 (1)	14/168 (8)	0
▪ Delirium	3/170 (2)	3/170 (2)	5/168 (3)	1/168 (1)

30 Locke. *NEJM*. 2022;386:640.

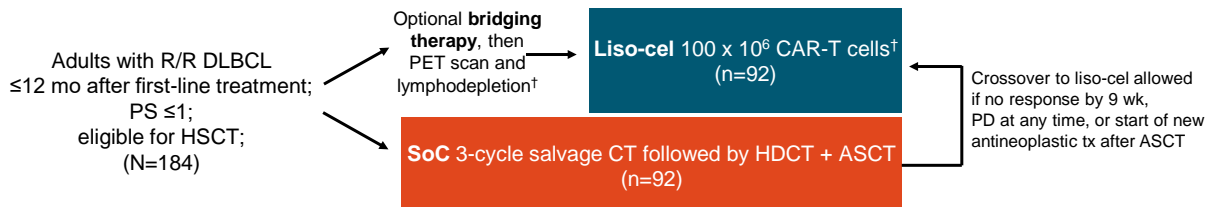


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TRANSFORM: LISOCABTAGENE MARALEUCCEL (LISO-CEL) vs CHEMO + ASCT IN RELAPSED/REFRACTORY (R/R) DLBCL

Study Design

- Randomized, multicenter, phase 3 study



- Primary refractory: 75% in both arms
- Double- or triple-hit lymphoma: 24%

31 Kamdar. *Lancet*. 2022;399:10343.



31

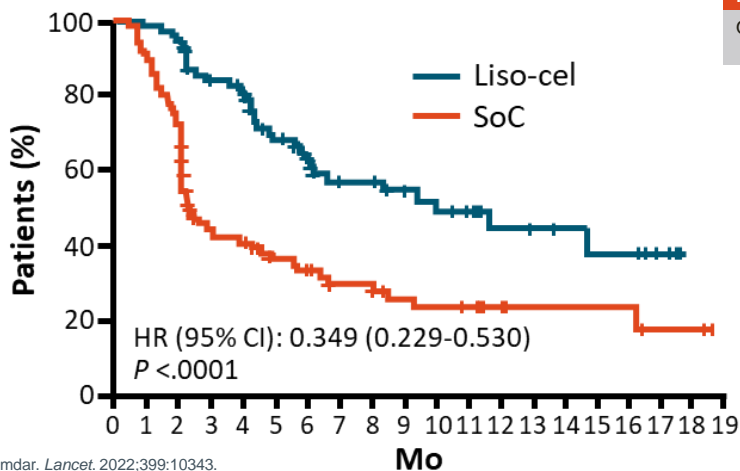
TRANSFORM: LISO-CEL vs CHEMO + ASCT IN R/R DLBCL

Efficacy

EFS

Liso-cel (n = 92) **SoC (n = 92)**

Median, mo (95% CI) **10.1 (6.1-NE)** **2.3 (2.2-4.3)**



54% on SoC arm crossed over to liso-cel arm:
HR: 0.51 (95% CI: 0.26-1.00); P=0.026

Response	Liso-cel (n=92)	SoC (n=92)	P Value
ORR	86%	48%	<.0001
▪ CR	66%	39%	

- N = 184 (refractory dx: 75%; double- or triple-hit dx: = 23.4%)

32 Kamdar. *Lancet*. 2022;399:10343.



32

TRANSFORM: LISO-CEL vs CHEMO + ASCT IN R/R DLBCL

Safety

Event	Liso-cel (n = 92)
Patients with ≥1 TEAE of special interest, n (%)	83 (90)
CRS	
▪ Any grade, n (%)	45 (49)
• Grade 1	34 (37)
• Grade 2	10 (11)
• Grade 3	1 (1)
• Grade 4-5	0
▪ Time to onset, days (range)	5 (3-8)
▪ Time to resolution, days	4 (2-5)
Neurological events	
▪ Any grade, n (%)	11 (12)
• Grade 1	5 (5)
• Grade 2	2 (2)
• Grade 3	4 (4)
• Grade 4/5	0
▪ Time to onset, days (range)	11 (10-17)
▪ Time to resolution, days (range)	6 (2-19)

Event, n (%)	Liso-cel (n = 92)		Standard of Care (n = 91)	
	Any Grade	Grade ≥3	Any Grade	Grade ≥3
Febrile neutropenia	15 (16)	11 (12)	22 (24)	19 (21)

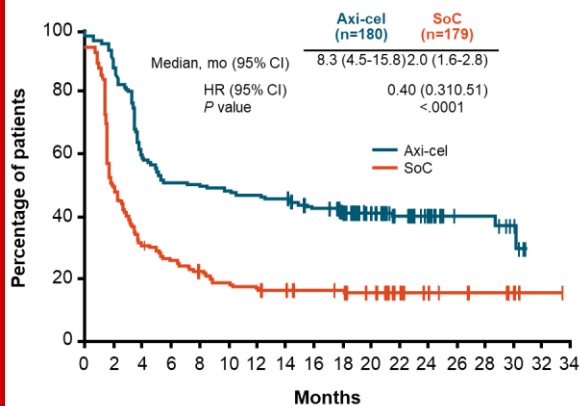
33 Kamdar. *Lancet*. 2022;399:10343.



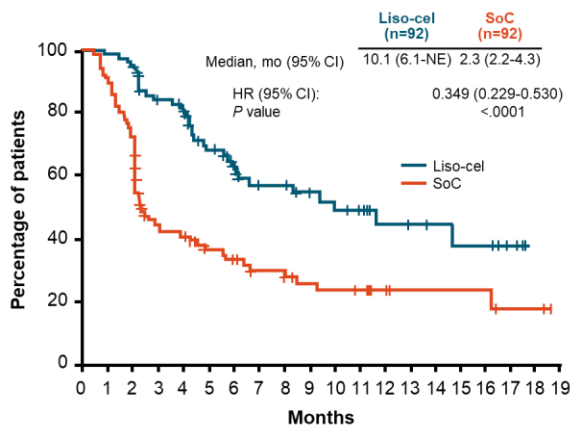
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CAR-T CELLS: A NEW STANDARD IN EARLY RELAPSED DLBCL

ZUMA-7: Median Event-free Survival¹



TRANSFORM: Median Event-free Survival²

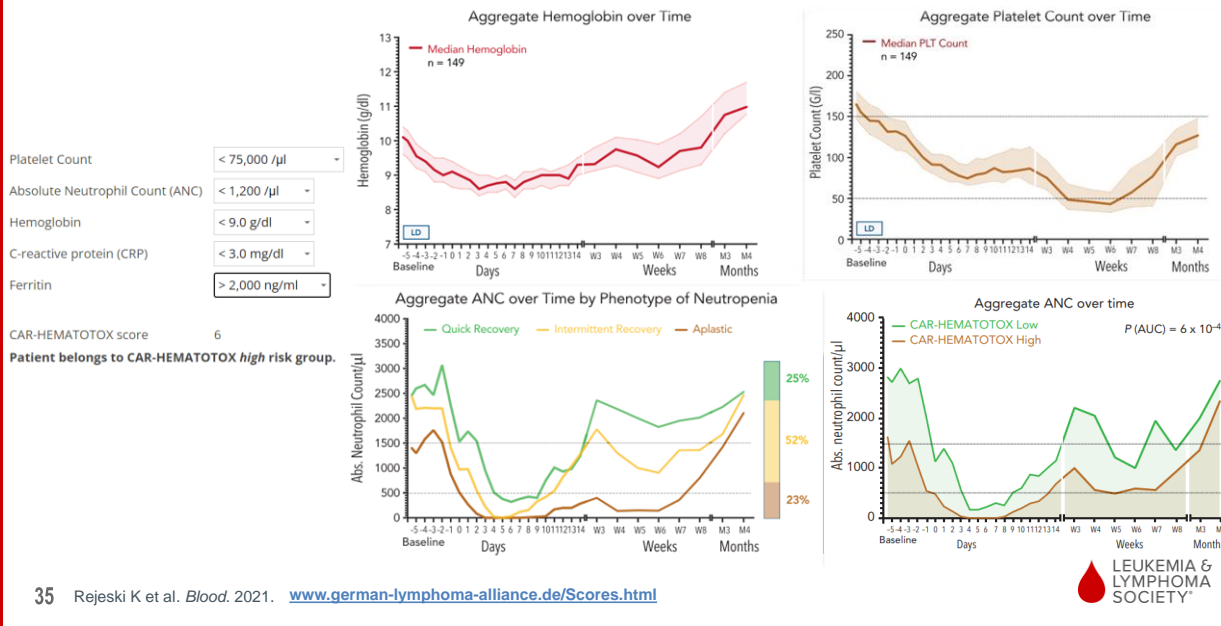


34 1. Locke. *NEJM*. 2022;386:640. 2. Kamdar. *Lancet*. 2022;399:10343.



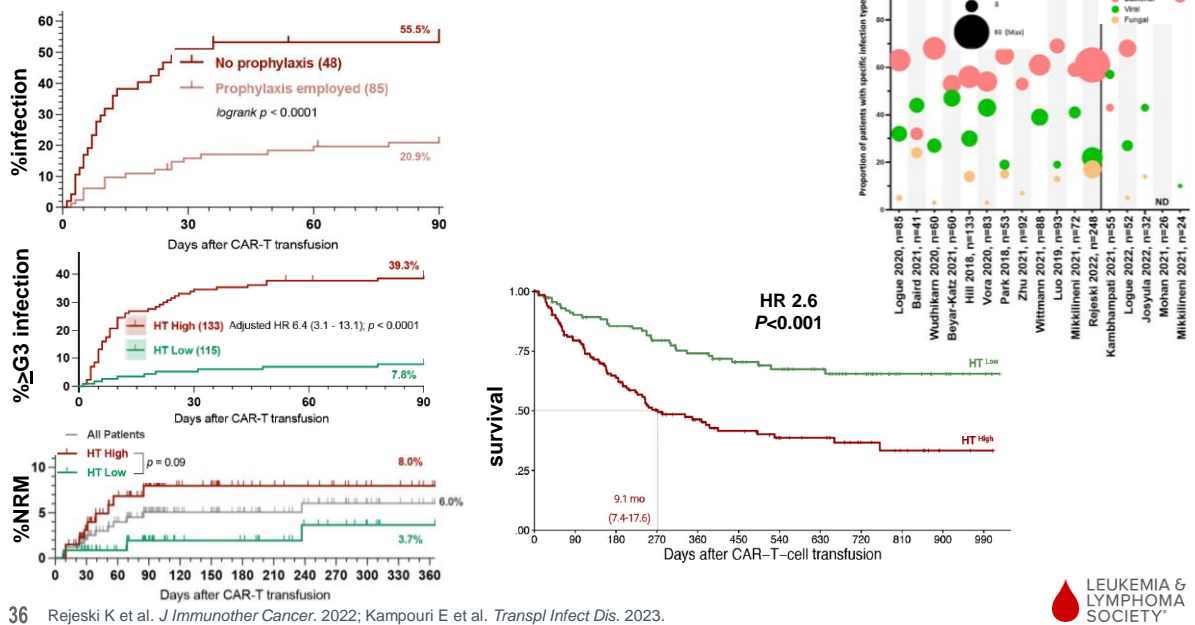
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CAR-T CELLS: LATE TOXICITIES – CYTOPENIAS

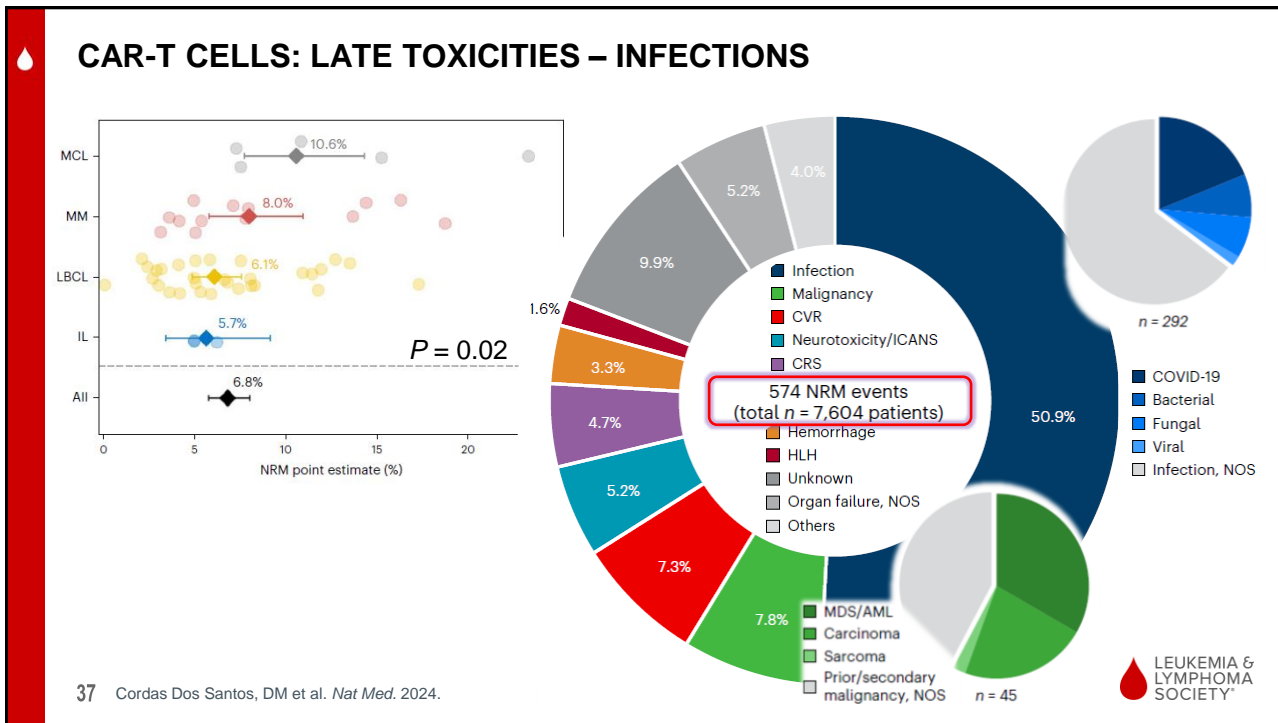


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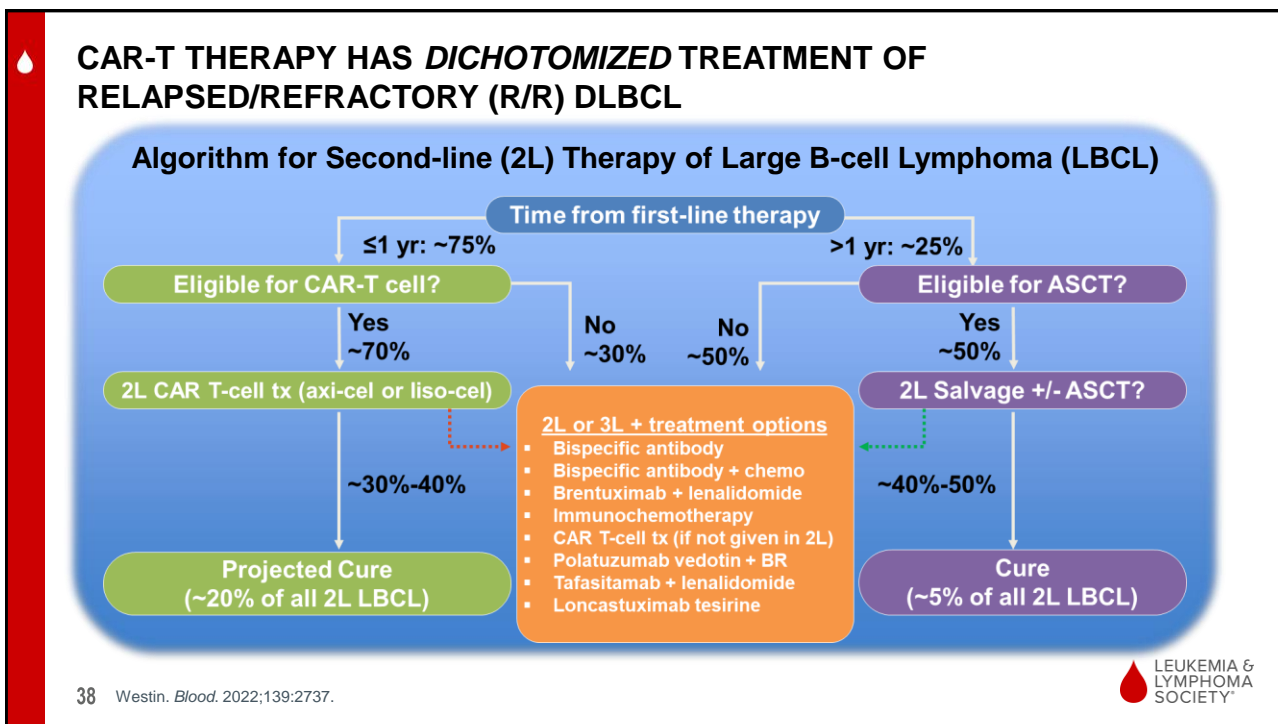
CAR-T CELLS: LATE TOXICITIES – INFECTIONS



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TREATMENT OF \geq THIRD-LINE DLBCL

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EFFICACY OF CAR-T IN ≥ 3 PRIOR LINES OF THERAPY

Characteristic	ZUMA-1 Axi-cel (n=101)	JULIET Tisa-cel (n=111)	TRANSCEND NHL 001 Liso-cel (n=269)
Median DoR, mo (95% CI)	NR (10.9-NE)	NR (10.0-NE)	NR (8.6-NR)
▪ 12-mo DoR, % (95% CI)	--	65 (49-78)	54.7 (46.7-62.0)
▪ 24-mo DoR, % (95% CI)	--	--	52.1 (43.6-49.8)
Median OS, mo (95% CI)	NR (12.8-NE)	11.1 (6.6-23.9)	21.1 (13.3-NR)
▪ 12-mo OS, % (95% CI)	59 (49-68)	48.2 (38.6-57.1)	57.9 (51.3-62.8)
▪ 24-mo OS, % (95% CI)	50.5 (40.2-59.7)	40.0 (30.7-49.1)	44.9 (36.5-52.9)
Median PFS, mo (95% CI)	5.9 (3.3-15.0)	NR	6.8 (3.3-14.1)
▪ 12-mo PFS, % (95% CI)	44 (34-53)	--	44.1 (37.3-50.7)
▪ 24-mo PFS, % (95% CI)	--	--	42.1 (35.0-48.9)
Median follow-up, mo	27.1	32.6	12.0-17.5

40 Westin. *Am J Hematol.* 2021;96:1295.

40

FDA-APPROVED NOVEL AGENTS IN R/R DLBCL

Epcoritamab
 Glofitamab
 Polatuzumab vedotin + bendamustine and rituximab
 Tafasitamab + lenalidomide
 Loncastuximab tesirine
 Selinexor

NOT YET FDA-APPROVED, BUT *IMPORTANT*

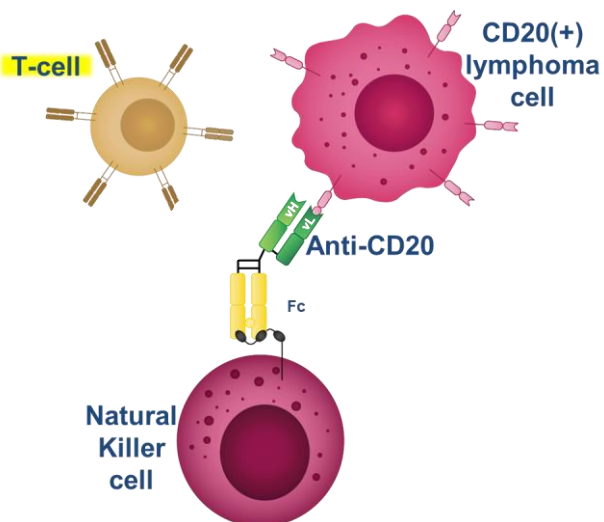
Glofitamab + Chemo (Gem-Ox) (Phase 3 STARGLO Trial)
 Brentuximab + Lenalidomide + Rituximab (ECHELON-3 Trial)

41 Polatuzumab PI. 2020. Tafasitamab PI. 2020. Loncastuximab PI. 2021. Selinexor PI. 2019.



41

BISPECIFIC CD20xCD3 ANTIBODIES FOR R/R DLBCL



Bispecific antibodies bind **CD20 on tumor cells** and **CD3 on T cells**, bringing the two together. This then allows the T cell to initiate tumor cell lysis.

the “Kiss of Death”

42 Rampotas A, et al. *Ther Adv Hematol.* 2021;12:20406207211053120. Falchi L, et al. *Blood.* 2023;141(5):467-80.

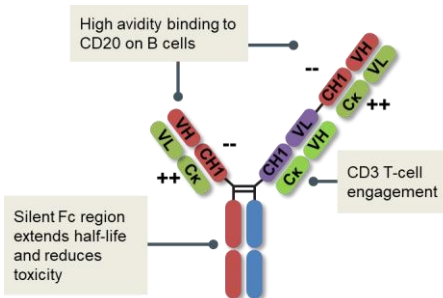


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GLOFITAMAB (CD20xCD3) FOR R/R DLBCL

Schema

Phase 2 expansion in R/R DLBCL and ≥2 prior therapies



Key inclusion criteria

- DLBCL
- ECOG PS 0-1
- ≥ 2 prior therapies

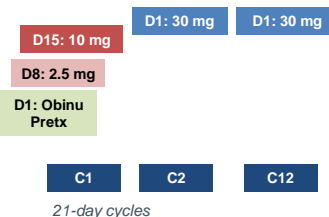
Glofitamab IV administration

Fixed-duration treatment

- max. 12 cycles

CRS mitigation

- Obinutuzumab pretreatment
- C1 step-up dosing
- Monitoring after first dose (2.5 mg)



43 Dickinson. EHA 2022. Abstr S220.



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GLOFITAMAB (CD20xCD3) FOR R/R DLBCL

Baseline Characteristics

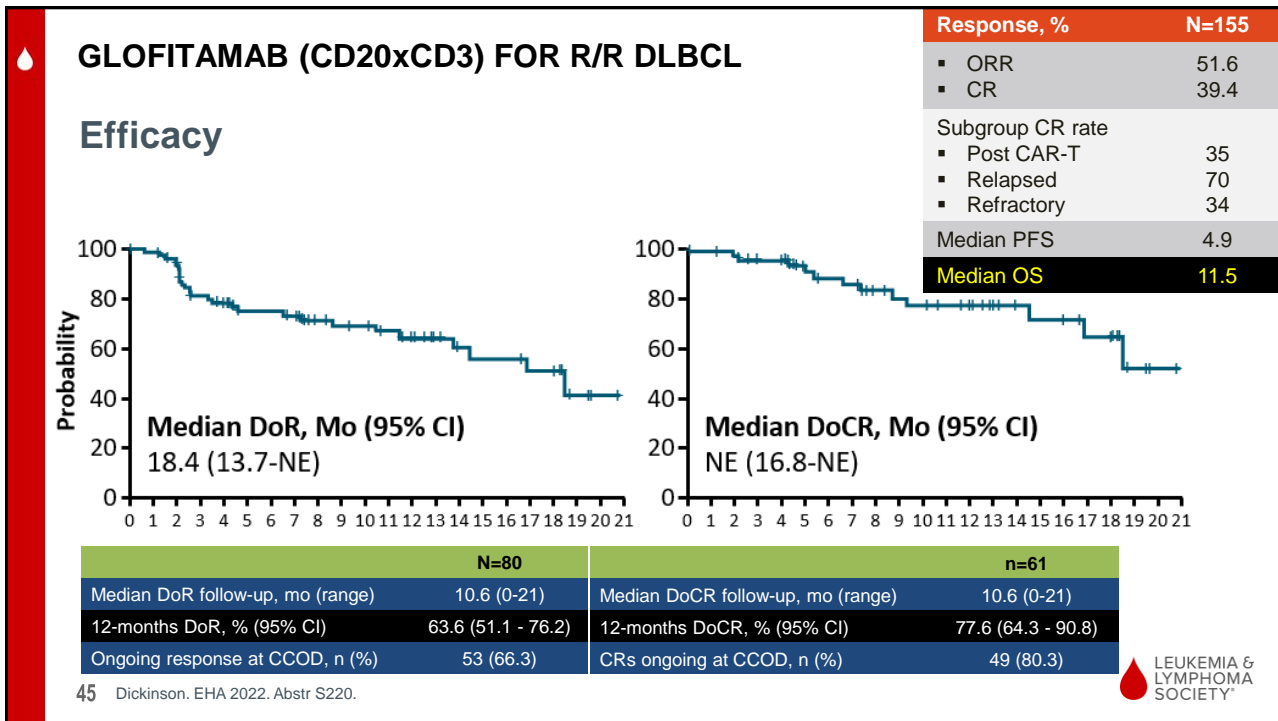
Characteristic	Glofitamab (N = 154)
Median age, yr (range)	66.0 (21-90)
Male, n (%)	100 (64.9)
Ann Arbor stage, n (%)	
▪ I	10 (6.5)
▪ II	25 (16.2)
▪ III	31 (20.1)
▪ IV	85 (55.2)
NHL subtype	
▪ DLBCL	110 (71.4)
▪ Transformed from FL	27 (17.5)
▪ HGBCL	11 (7.1)
▪ PMBCL	6 (3.9)
Bulky disease, n (%)	
▪ >6 cm	64 (41.6)
▪ >10 cm	18 (11.7)

Characteristic	Glofitamab (N = 154)
Prior lines of therapy, median (range)	3 (2-7)
▪ 2 prior lines, n (%)	62 (40.3)
▪ ≥3 prior lines, n (%)	92 (59.7)
Prior therapy received, n (%)	
▪ Anti-CD20 antibody	154 (100)
▪ Anthracycline	149 (96.8)
▪ CAR T-cell therapy	51 (33.1)
▪ ASCT	28 (18.2)
Refractory disease, n (%)	
▪ To any prior therapy	139 (90.3)
▪ To last prior therapy	132 (85.7)
▪ Primary refractory	90 (58.4)
▪ To prior CAR T-cell therapy	46 (29.9)
▪ To any prior anti-CD20 antibody	128 (83.1)

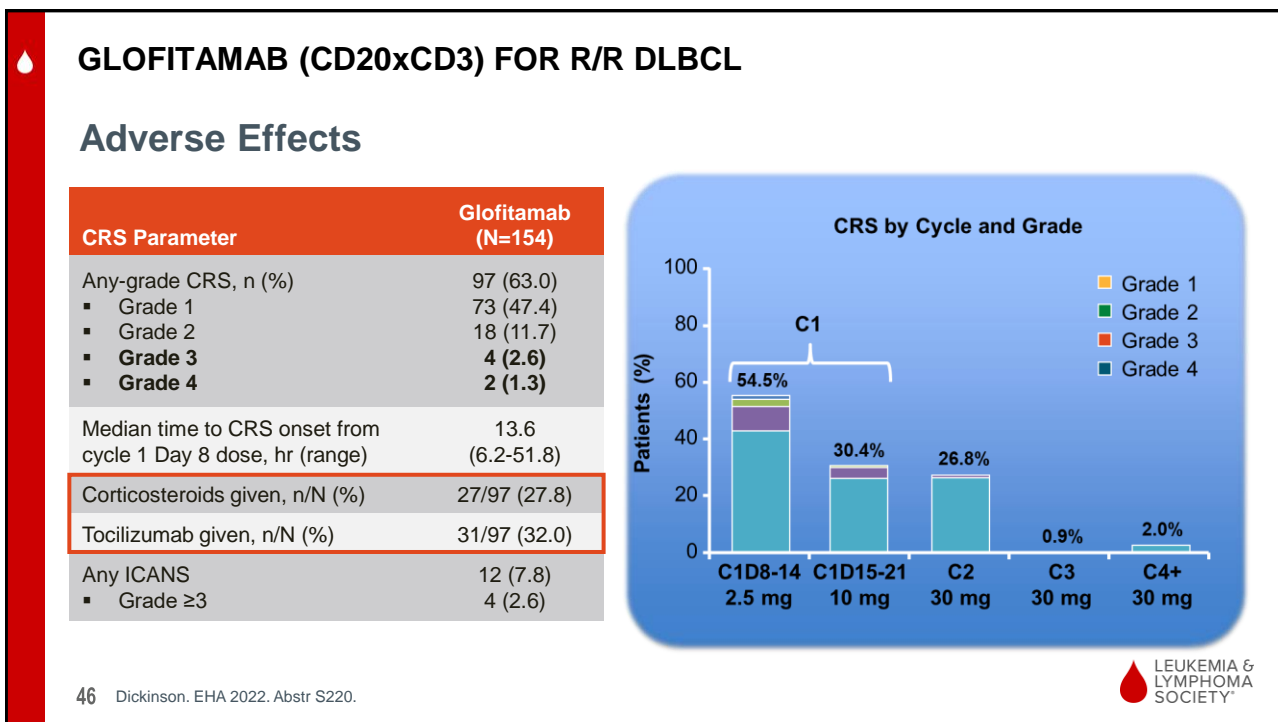
44 Dickinson. EHA 2022. Abstr S220.



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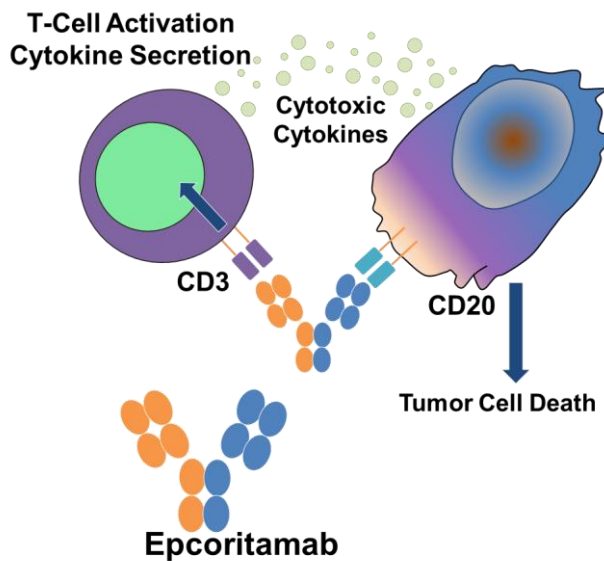
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EPCORITAMAB (CD20xCD3) FOR R/R DLBCL

Schema



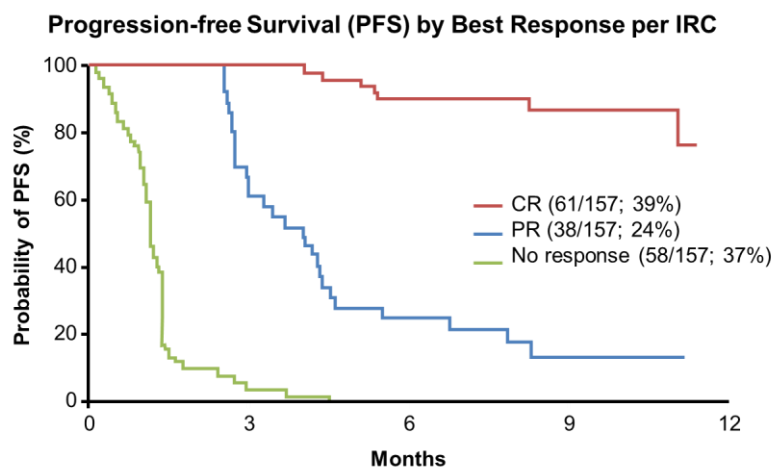
subcutaneously administered bispecific antibody

47 Hutchings. ASH 2020. Abstr 402. Engelberts. *EBioMedicine*. 2020;52:102625. Chiu. EHA 2020. Abstr EP1330.



EPCORITAMAB (CD20xCD3) FOR R/R DLBCL

Efficacy



Best response rates

- CR: 39.0%
- ORR: 63.0%

Subgroup CR rate

- Post CAR T-cell: 34%
- Refractory 30%

Survival

- PFS: 4.4 mo
- OS: 57% at 12 mo

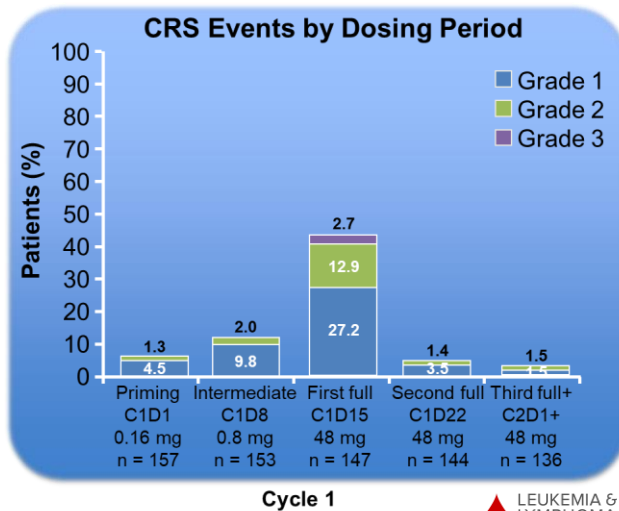
48 Thieblemont. EHA 2022. Abstr LB2364.



EPCORITAMAB (CD20xCD3) FOR R/R DLBCL

Adverse Effects

CRS	LBCL (N=157)
CRS events,* n (%)	78 (49.7)
▪ Grade 1	50 (31.8)
▪ Grade 2	24 (15.3)
▪ Grade 3	4 (2.5)
CRS resolution, n (%)	77 (98.7)
Median time to CRS onset from first full dose, days	0.8
Median days to CRS resolution from 1st full dose	2
CRS treatment	
▪ Tocilizumab	22 (14.0)
▪ Corticosteroids	16 (10.2)
CRS leading to treatment discontinuation, n(%)	1 (0.6)
ICANS: 6.4% – All grade 1/2 except 1 case of grade 5 (with multiple confounders)	

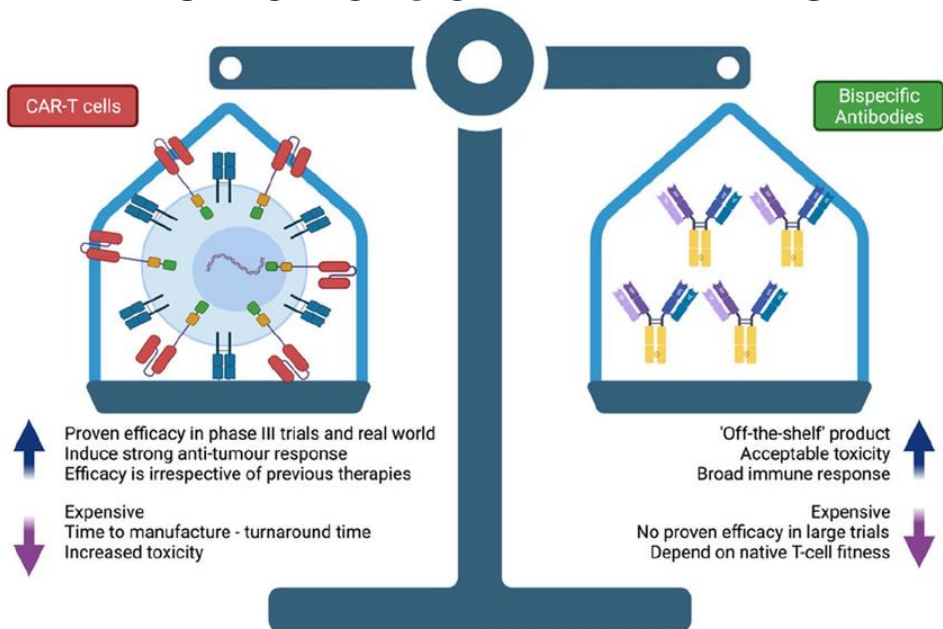


49 Thieblemont. EHA 2022. Abstr LB2364.



49

BISPECIFIC vs CAR-T THERAPIES



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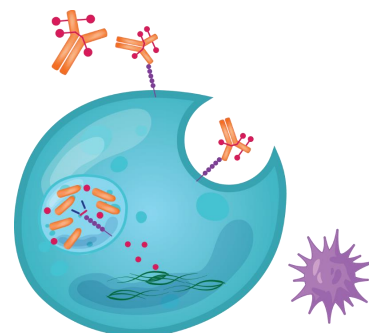


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POLATUZUMAB VEDOTIN (POLA) + BENDAMUSTINE-RITUXIMAB (BR) vs BR FOR RELAPSED/REFRACTORY (R/R) DLBCL

Schema

- Polatuzumab vedotin: antibody-drug conjugate targeting CD79b with a toxic payload (MMAE)



Phase 2 trial
Stratified by duration of response (DoR) to last therapy (≤ 12 vs > 12 mo)

Patients with R/R DLBCL; received ≥ 1 prior therapy; PS 0-2; (N=80)

Polatuzumab vedotin 1.8 mg/kg, D1 of each cycle + Bendamustine 90 mg/m² on D1,3 (C1), then D1,2 (each cycle) + Rituximab 375 mg/m², D1 (each cycle) (n=40)

Bendamustine 90 mg/m² on D1,3 (C1), then D1,2 (each cycle) + Rituximab 375 mg/m², D1 (each cycle) (n=40)

51 Sehn. JCO. 2020;38:155.



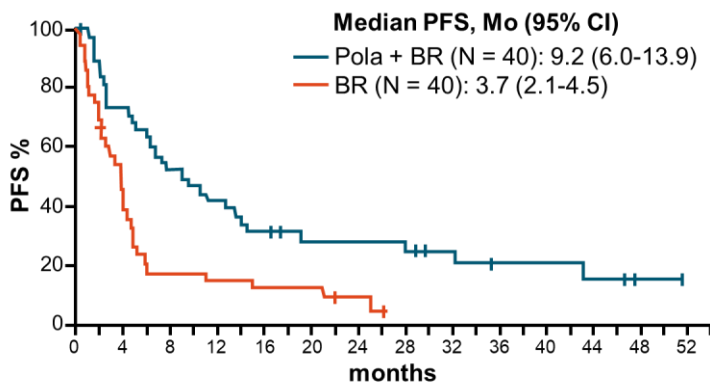
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POLATUZUMAB VEDOTIN + BR vs BR FOR R/R DLBCL

Efficacy

Phase 2 Trial

Baseline Characteristic	BR (n=40)	Pola + BR (n=40)
Median age, yr (range)	71 (30-84)	67 (33-86)
IPI ≥ 3 , n (%)	29 (73)	22 (55)
Median prior tx, no (range)	2 (1-5)	2 (1-7)
Outcome by IRC	BR (n=40)	Pola + BR (n=40)
CR at EoT, n (%)	7 (17.5)	17 (42.5)
Median PFS, mo	3.7	9.2
Median OS, mo	4.7	12.4



- Generally avoid prior to CAR-T cell

- Notable toxicity:** Peripheral neuropathy with BR vs Pola + BR:
 - All grade: 7.7% vs 31.1%
 - Grade ≥ 3 : 0 vs 2.0%

52 Sehn. Blood Adv. 2022. 6:533.

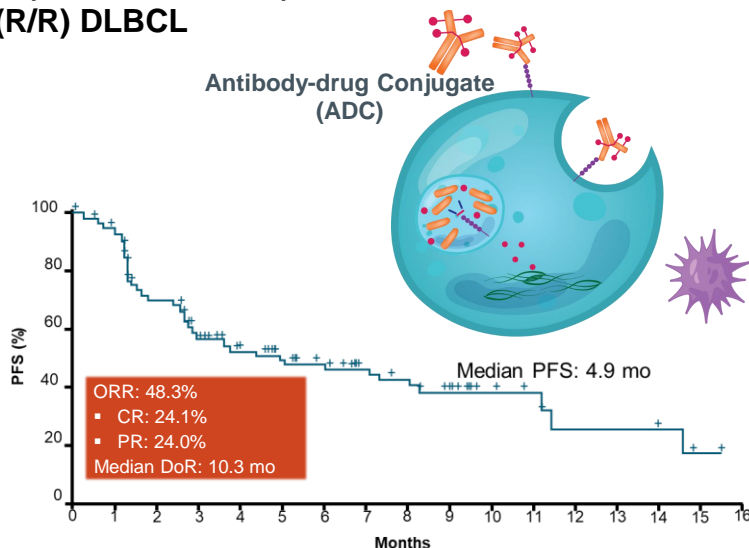


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LONCASTUXIMAB TESIRINE (ANTI-CD19 ADC) IN RELAPSED/REFRACTORY (R/R) DLBCL LOTIS-2 Phase 2 Study

Loncastuximab Tesirine Q3W

Baseline Characteristic	N = 145
Median age, yr (range)	66 (23-94)
Histology, n (%)	
DLBCL NOS	127 (88)
HGBCL	11 (8)
PMBCL	7 (5)
Median prior tx (IQR)	3 (2-4)
Relapsed to prior tx, n (%)	43 (30)
Refractory to prior tx, n (%)	84 (58)
Prior CAR-T cells, n (%)	13 (9)



▪ Notable grade ≥3 AEs: Neutropenia (26%); thrombocytopenia (18%); edema/effusions (5%)

53 Caimi. *Lancet Oncol.* 2021;22:790.

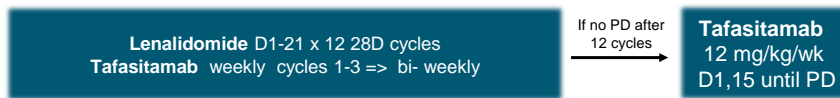


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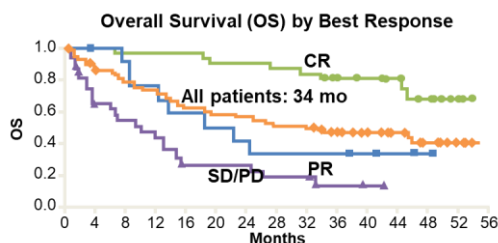
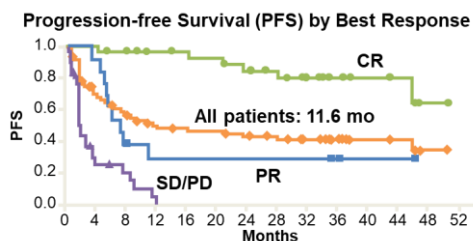
TAFASITAMAB + LENALIDOMIDE FOR R/R DLBCL (L-MIND TRIAL)

Efficacy

Patients with R/R DLBCL;
1-3 prior regimens;
PS 0-2;
primary refractory excluded
(N=81)



ORR: 58% (40% CRs)



▪ Notable toxicity (grade ≥3): Neutropenia: 49.4% Thrombocytopenia: 17.3%

54 Salles. *Lancet Oncol.* 2020;21:978. Dull. *ASCO* 2021. Abstract 7513; Duell. *Haematologica.* 2021;106:2417.



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ASK A QUESTION ADVANCEMENTS IN AGGRESSIVE NON-HODGKIN LYMPHOMAS (NHL)

Ask a question by **phone**:

Press star (*) then the number 1 on your keypad.

Ask a question by **web**:

Click "Ask a question"

Type your question

Click "Submit"

Due to time constraints, we can only take one question per person. Once you've asked your question, the operator will transfer you back into the audience line.



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Chat live online: www.LLS.org/InformationSpecialist

Monday to Friday, 10 a.m. to 7 p.m. ET

Email: www.LLS.org/ContactUs

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www.LLS.org/Navigation



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Our registered dietitian has expertise in oncology nutrition and provides free one-on-one consultations by phone or email.

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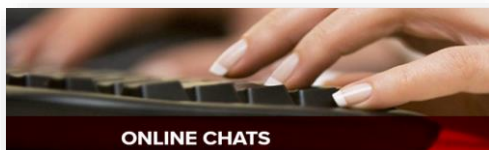
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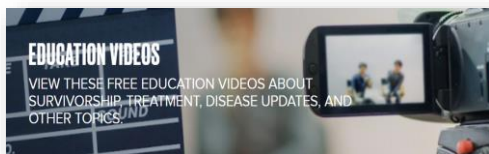
LLS EDUCATION & SUPPORT RESOURCES

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Online Chats

Online Chats are free, live sessions, moderated by oncology social workers. To register for one of the chats below, or for more information, please visit www.LLS.org/Chat.



Education Videos

View our free education videos on disease, treatment, and survivorship. To view all patient videos, please visit www.LLS.org/EducationVideos.



Patient Podcast

The Bloodline with LLS is here to remind you that after a diagnosis comes hope. To listen to an episode, please visit www.TheBloodline.org.

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LLS EDUCATION & SUPPORT RESOURCES

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LEUKEMIA & LYMPHOMA SOCIETY

Help With Finances

The Leukemia & Lymphoma Society (LLS) offers financial assistance* to help individuals with blood cancer.

The **LLS Patient Aid** Program provides financial assistance to blood cancer patients in active treatment. Eligible patients will receive a \$100 stipend. Visit www.LLS.org/PatientAid

The **Urgent Need** Program, established in partnership with Mopie's Love, helps pediatric and young adult blood cancer patients, or adult blood cancer patients who are enrolled in clinical trials, with acute financial need. The program provides a \$500 grant to assist with non-medical expenses, including utilities, rent, mortgage, food, lodging, dental care, child care, elder care, and other essential needs. Visit www.LLS.org/UrgentNeed

The **Susan Lang Pay-It-Forward Patient Travel Assistance** Program provides blood cancer patients a \$500 grant to assist with transportation and lodging-related expenses. Visit www.LLS.org/Travel

The **Co-Pay Assistance** Program offers financial support toward the cost of insurance co-payments and/or insurance premiums for prescription drugs. Visit www.LLS.org/Copay

*Funding for LLS's Co-pay Assistance Program is provided by pharmaceutical companies. Funding for other LLS financial assistance programs is provided by donors from individual donors, companies, and LLS campaigns.

The Leukemia & Lymphoma Society (LLS) offers the following financial assistance programs to help individuals with blood cancers:
www.LLS.org/Finances



To order free materials: www.LLS.org/Booklets

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THANK YOU

This program is supported by



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Please complete our program evaluation



We have one goal: A world without blood cancers



**LEUKEMIA &
LYMPHOMA
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