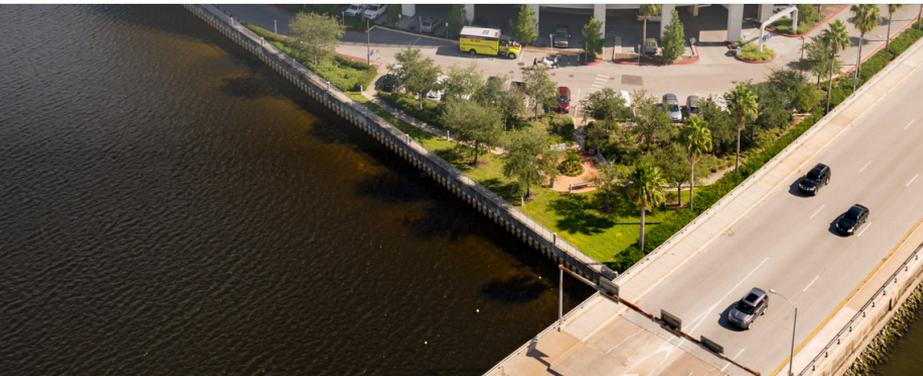




**CANCER
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“What is New for DLBCL & Hodgkin’s Disease?”



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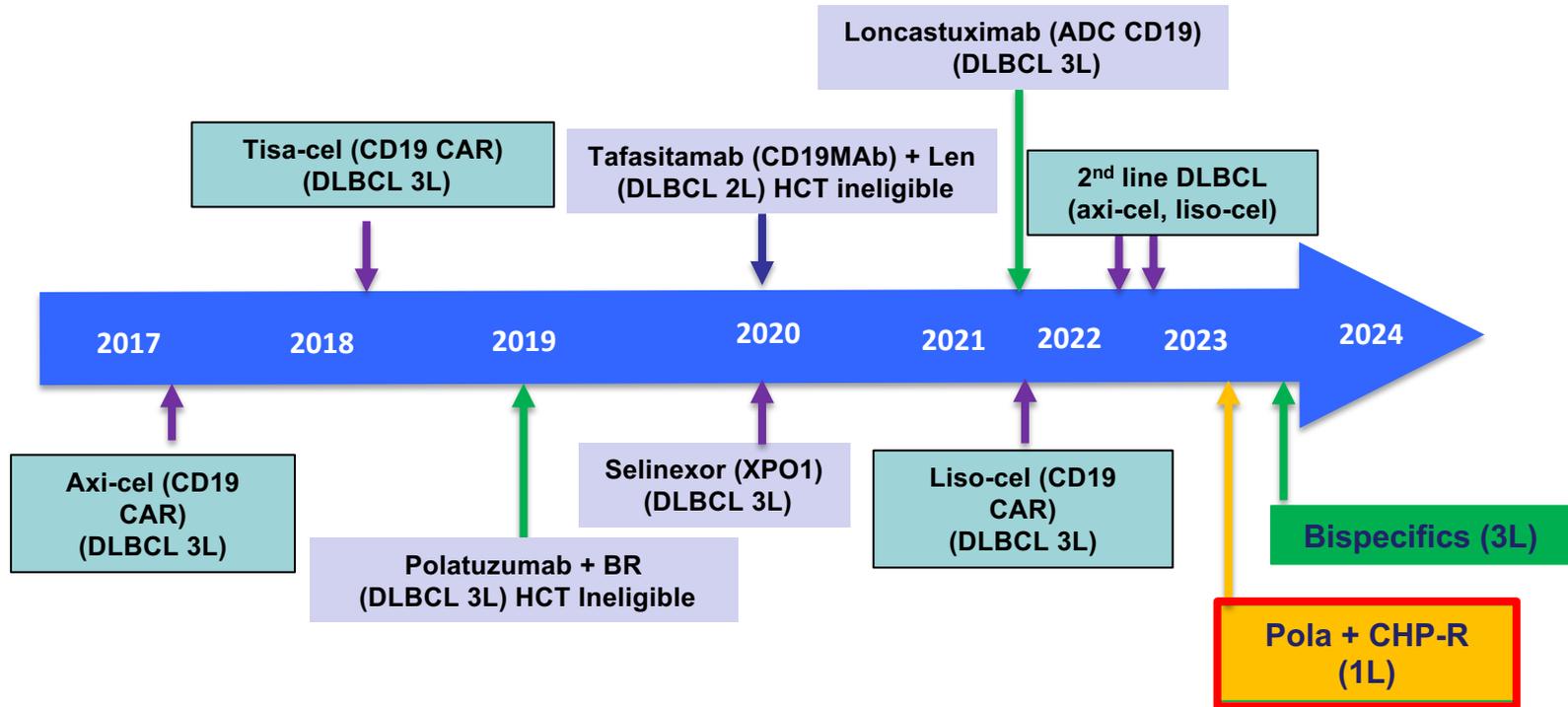
Frontline Advanced DLBCL

Frontline Hodgkin's disease

FDA Approvals for Frontline DLBCL (2000-2016)



FDA Approvals for DLBCL (2017-2024)



POLARIX: Study design overview

- Double-blind, randomized controlled
- Collaboration with LYSA
- NCT03274492

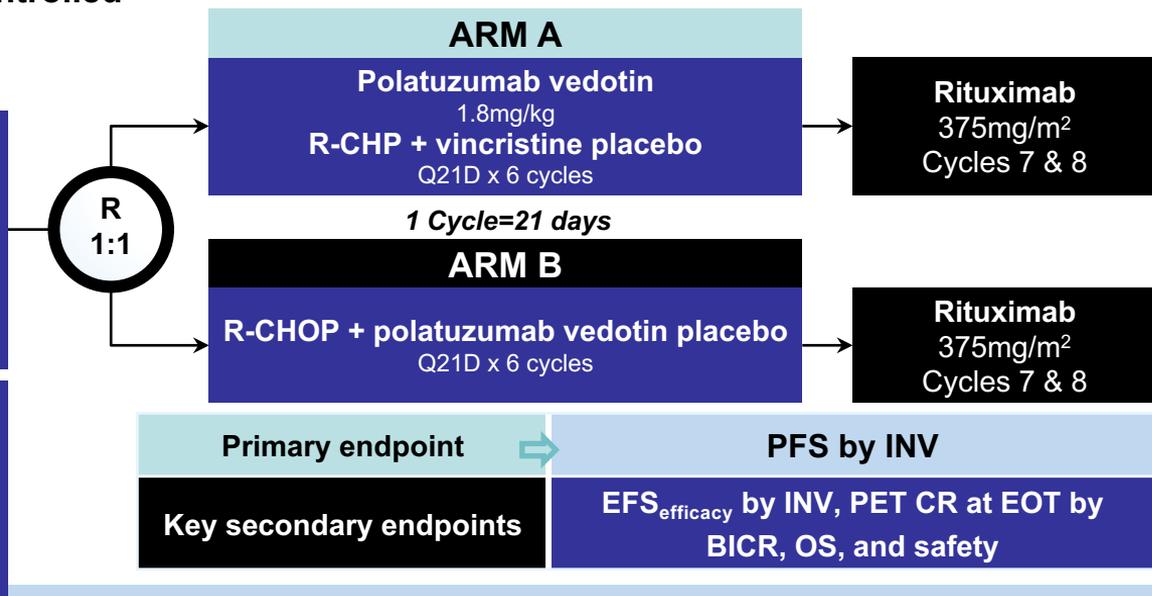
Patients

- Previously untreated DLBCL
- Age 18–80 years
- IPI 2–5
- ECOG PS 0–2

N=879

Stratification factors

- IPI score (2 vs 3–5)
- Bulky disease (≥ 7.5 cm vs absence)
- Geographic region*



*Western Europe, United States, Canada and Australia vs Asia vs Rest of World. BICR, blinded independent central review; CR, complete response; ECOG PS, Eastern Cooperative Oncology Group performance status; EFS_{efficacy}, event-free survival for efficacy causes (time from randomization to the earliest occurrence of disease progression/relapse, death due to any cause, initiation of any non-protocol specified anti-lymphoma treatment, or biopsy-confirmed residual disease after treatment completion)

Pola-R-CHP

R-CHOP

HR 0.73 (p=0.02)

**Pola-R-CHP → 27% reduction
in risk of progression,
relapse or death¹**

- Relapsing or being refractory to 1L treatment remain the main causes of morbidity and mortality in DLBCL²

1. Tilly H, et al. *New Engl J Med* 2022;386:351–63;

2. Maurer MJ, et al. *Ann Oncol* 2018;29:1822–27.

Pola-R-CHP

R-CHOP

6.5%
improvement¹

76.7%

24 months

Progression-free survival

70.2%

24 months

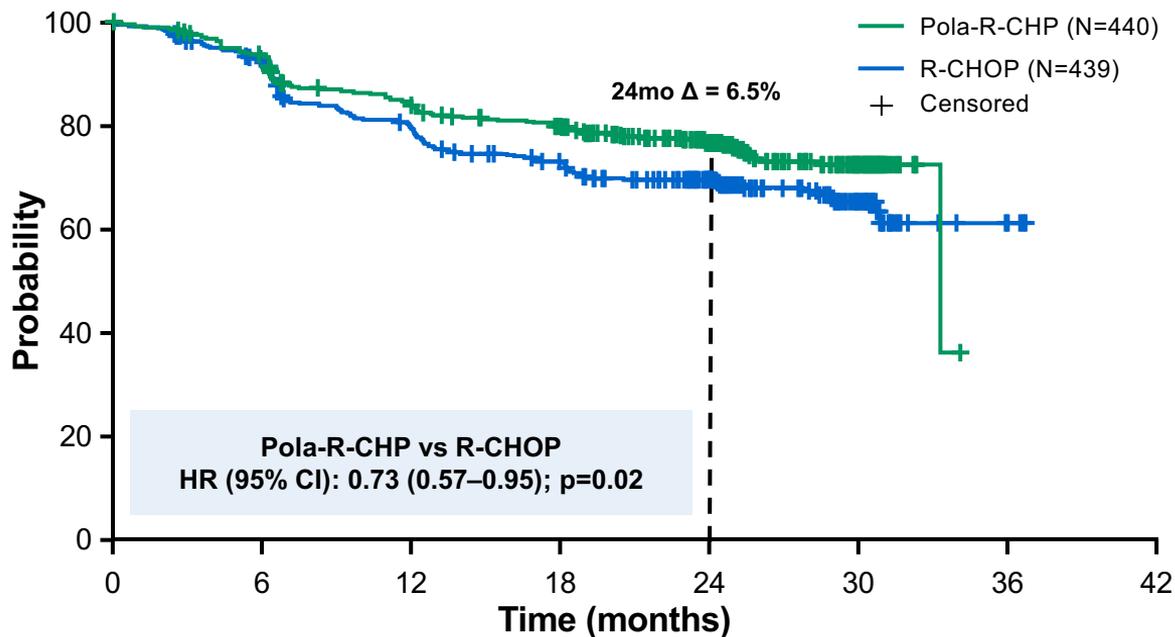
Progression-free survival

- Most relapses in patients with previously untreated DLBCL occur in the first 2 years, and outcomes with salvage therapy remain poor for a variety of patients²
- **Landmark analysis at 24 months** showed a clinically meaningful improvement in the number of patients avoiding relapse with Pola-R-CHP vs R-CHOP

1. Tilly H, et al. *New Engl J Med* 2022;386:351–63;

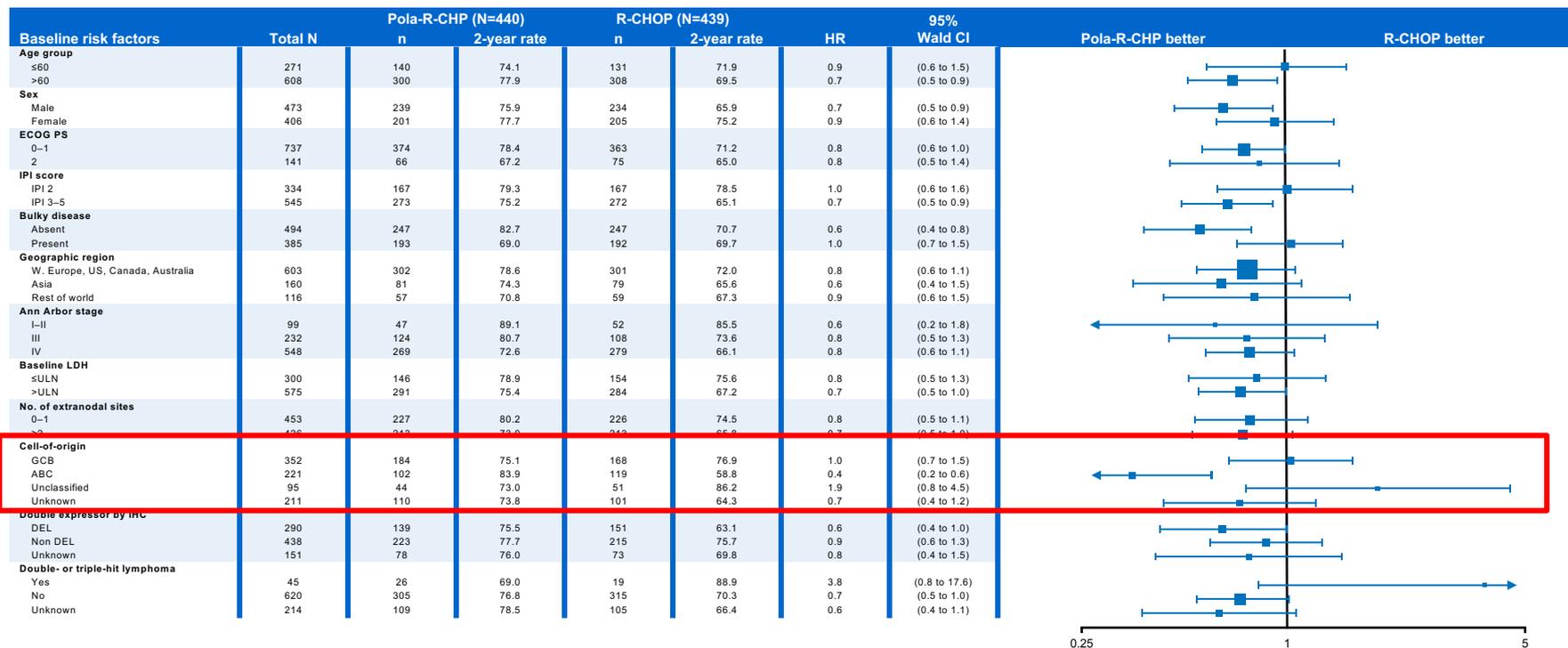
2. Maurer MJ, et al. *Ann Oncol* 2018;29:1822–27.

Investigator-assessed PFS (global ITT population)

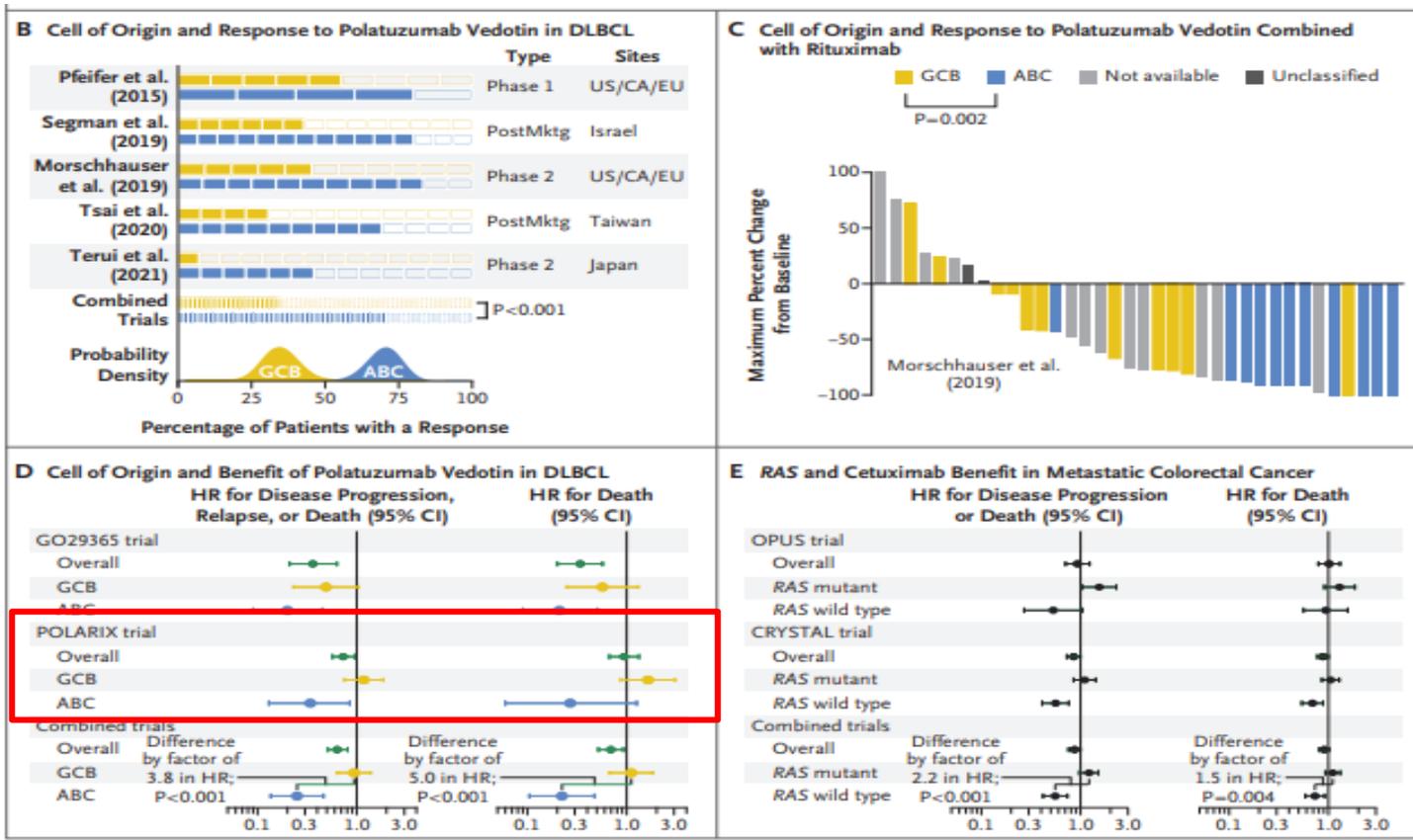


Number at risk								
Pola-R-CHP	440	404	353	327	246	78	NE	NE
R-CHOP	439	389	330	296	220	78	3	NE

Investigator-assessed PFS by subgroup (global ITT, unstratified)



Cell of Origin and Response to Polatuzumab Vedotin in DLBCL



Frontline Trials in DLBCL

(with Bispecifics or Venetoclax)

Improving on R-CHOP or Pola-R-CHP in DLBCL

• Glofitamab + R-CHOP

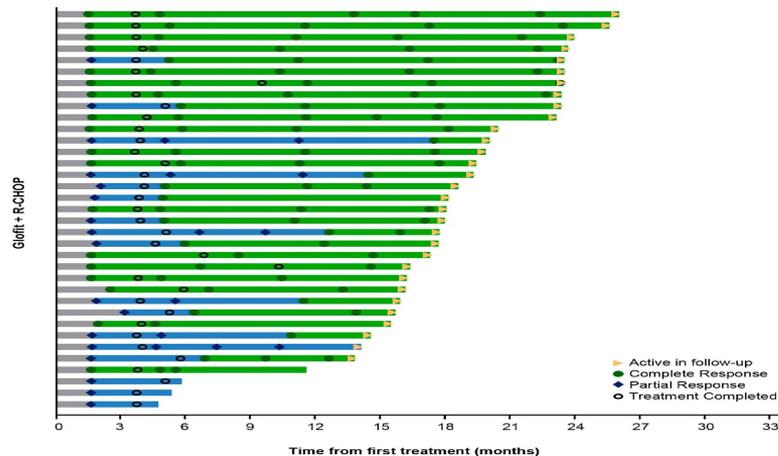
- 56 pts (96% stage III/IV). Median IPI 3
- 6-8 cycles of R-CHOP with glofitamab dose ramp-up starting C2
 - Glofitamab maintenance for up to 1y
- 10.7% CRS, no G3/4
- Median 17m follow-up:
 - **84% CMR (91% remained in CMR at 1y)**

Topp et al, ASH 2023 Abst #3085

• Epcoritamab + Pola-R-CHP

- Ongoing, open at TGH Cancer Institute
- Adding Epcor with dose ramp-up to Pola-R-CHP
- 6 cycles of Pola-R-CHP+Epcor followed by 2 cycles of Epcor

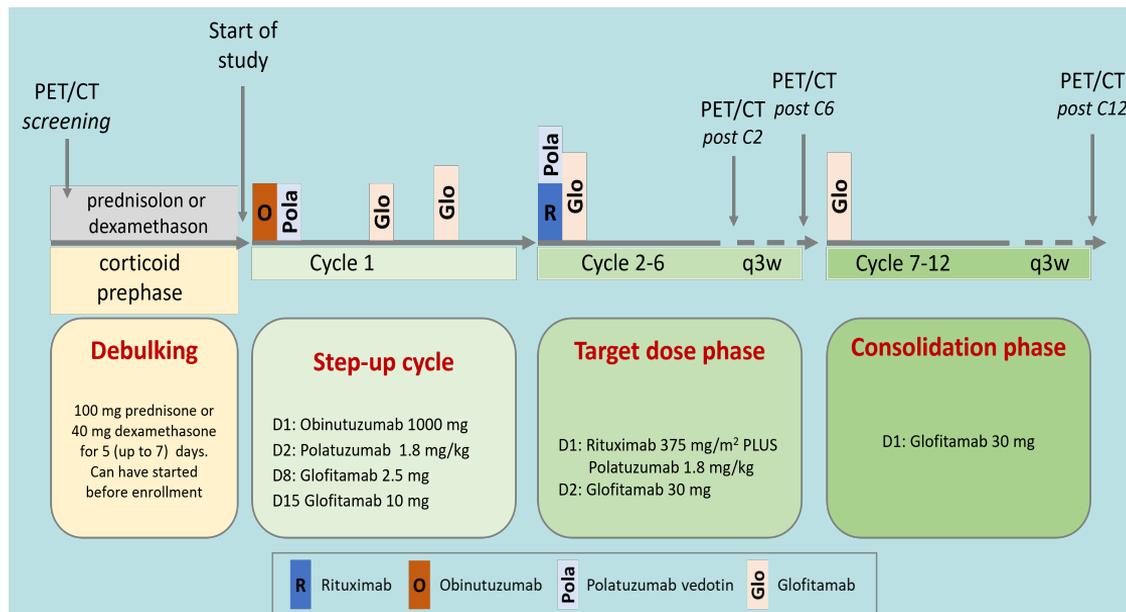
Figure. Durability of response in patients with previously untreated DLBCL who received Glofit + R-CHOP



Clinical cut-off date: April 4, 2023; DLBCL, diffuse large B-cell lymphoma; Glofit, glofitamab; R-CHOP, rituximab, cyclophosphamide, doxorubicin, vincristine, and prednisone.

Pola + Glofitamab + Rituximab in Frontline DLBCL:

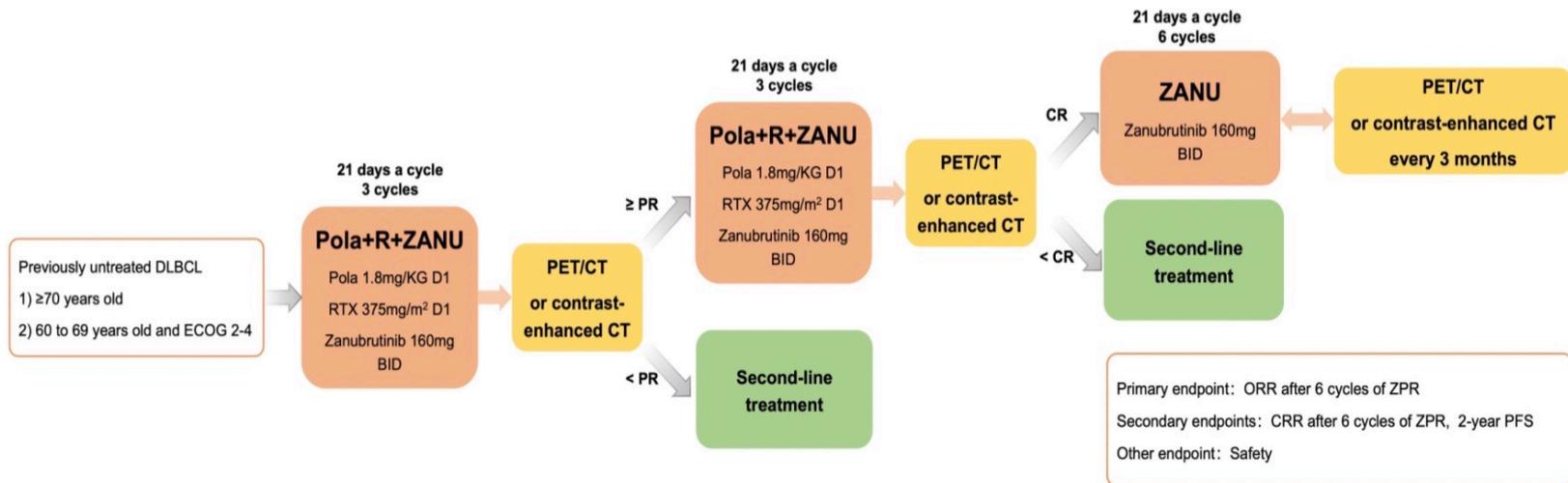
- Not eligible for R-CHOP
- **First 10 pts:**
 - Median age 79
 - 70% stage III/IV
 - 70% IPI 3-5
 - 1 G3 bleeding, 1 G3 AKI
 - 3 G1 CRS
 - no ICANS/neuropathy
- **ORR 63%, CR 51%**



“Chemo-free” frontline therapy for elderly/frail DLBCL patients: Polatuzumab, Zanubrutinib & Rituximab

- 12 pts, 9 non-GCB, 1 double-hit
- Age > 70 or 60-69 & ECOG 2-4
- 1 G3 transaminitis, 1 G3 pneumonitis
- 4 patients evaluable after C3: 100% CMR

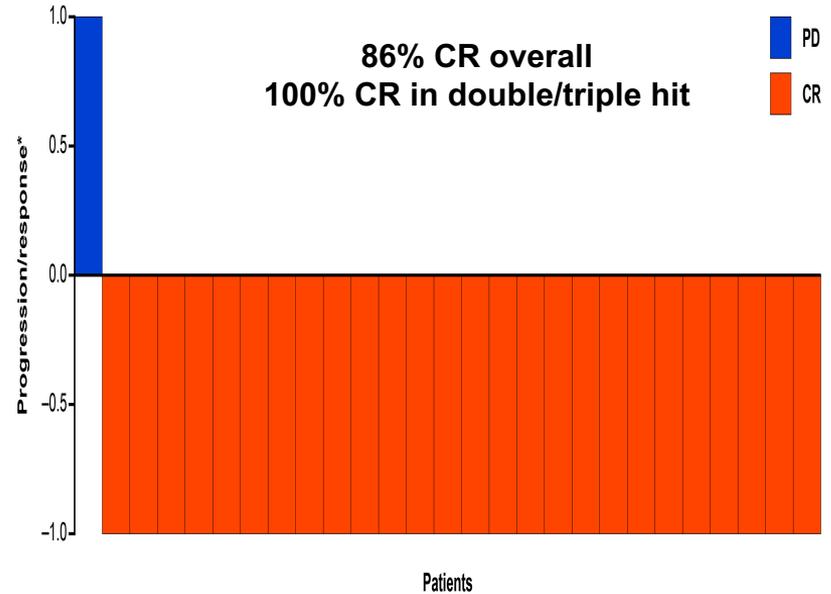
Figure 1. Scheme of ZPR regimen study



Venetoclax + Pola-R-CHP

- Cavalli study (Blood 2021) using 10d venetoclax with significant AEs
- Shorter course, 5-day venetoclax:
 - 30 pts evaluable for response
 - BCL2+, R-IPI 2-5, 90% stage III/IV, **25% double/triple hit**
 - Venetoclax 800mg x 5 days (C1D4, then D1 subsequent cycles)
 - 2 G5 AE (cardiac, sepsis), 10% febrile neutropenia

Figure. Objective response rate by PET-CT at EOT

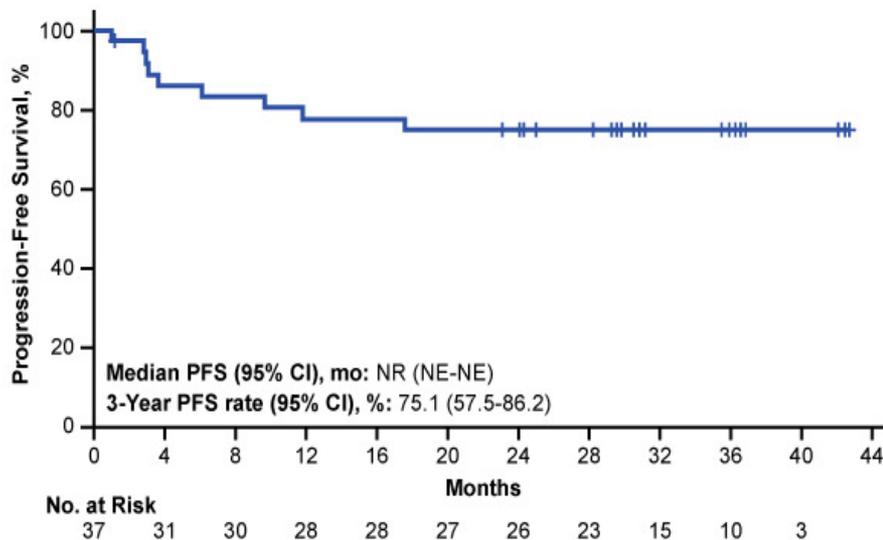


Frontline Trials in DLBCL

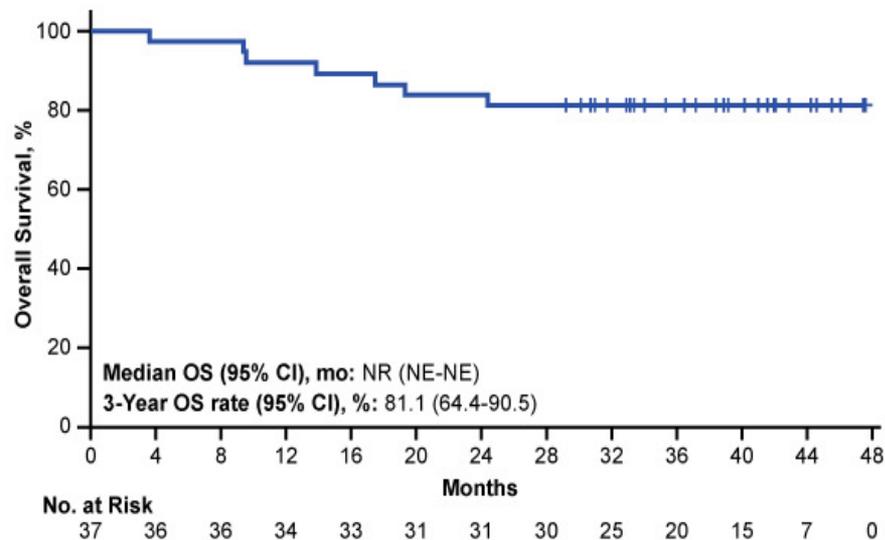
(with CAR T cells)

ZUMA-12: Axi-Cel as Frontline Therapy for High Risk DLBCL: 3-year follow up (Chavez, JC et al. ASH 2023)

PFS



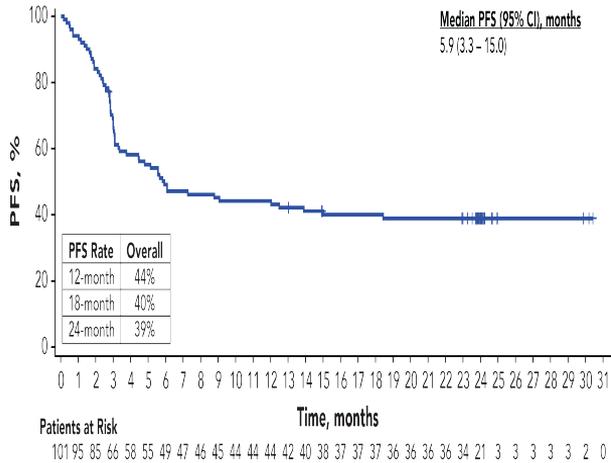
OS



- **Medians for PFS and OS were not reached in efficacy-evaluable patients**
- **Among patients who achieved a CR as best response, 3-year PFS: 84.4% and OS: 90.6%**

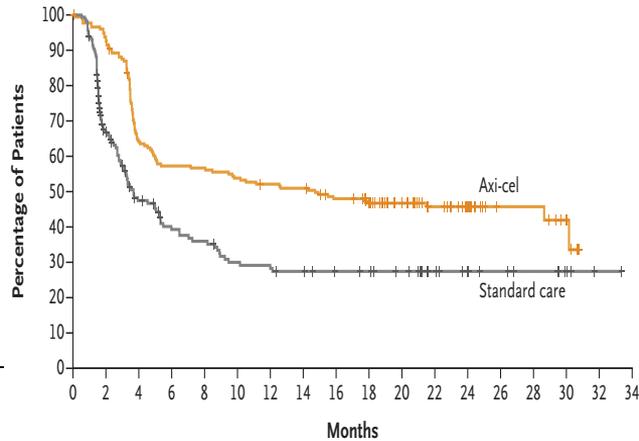
Earlier use of CAR T cells seems to further improve outcomes in DLBCL

ZUMA-1 (3rd Line)



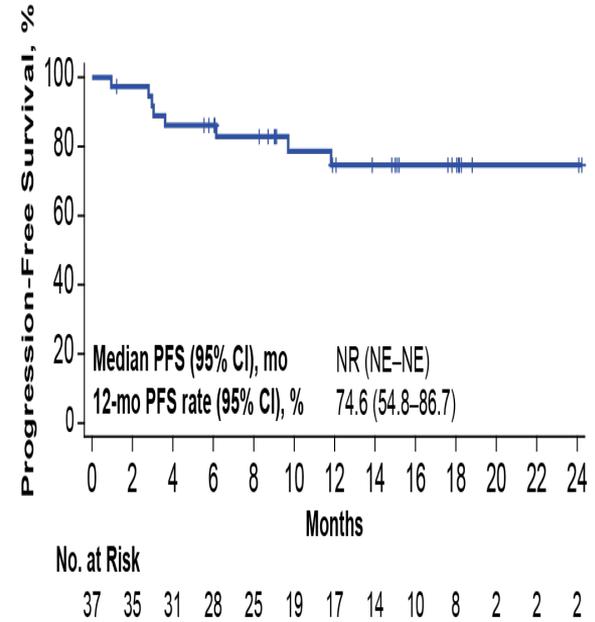
Median PFS 5.9 m

ZUMA-7 (2nd Line)



**Median PFS (axi-cel arm):
14.6 m**

ZUMA-12 (1st Line)



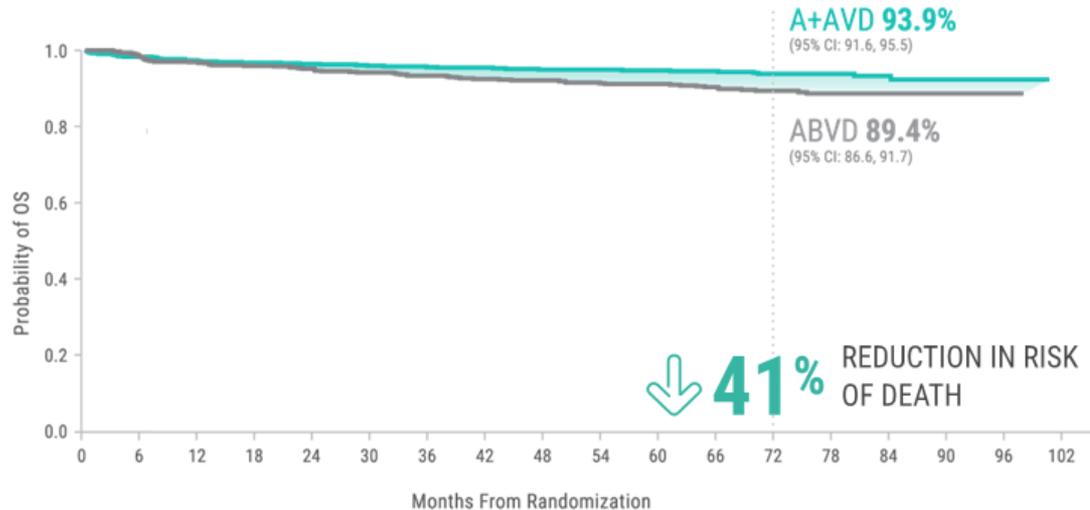
Median PFS: Not reached

Frontline Advanced DLBCL

Frontline Advanced Hodgkin's disease

Bv+AVD in advanced stage Hodgkin Lymphoma: 6-year OS

Overall Survival Estimates (ITT Population)¹



	0	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102
A+AVD	664	638	626	612	598	584	572	557	538	517	494	461	350	209	97	27	4	0
ABVD	670	634	614	604	587	567	545	527	505	479	454	411	308	191	84	11	1	0

HR: 0.59 (95% CI: 0.40, 0.88)
P = 0.009

- At 103 events, a benefit was considered statistically significant at $P < 0.0365$ ¹
- Median follow-up: 73.0 months¹
- Median overall survival was not reached in either arm^{1,2}
- At 2 years (the time of the modified PFS analysis), an interim overall survival did not demonstrate a significant difference²

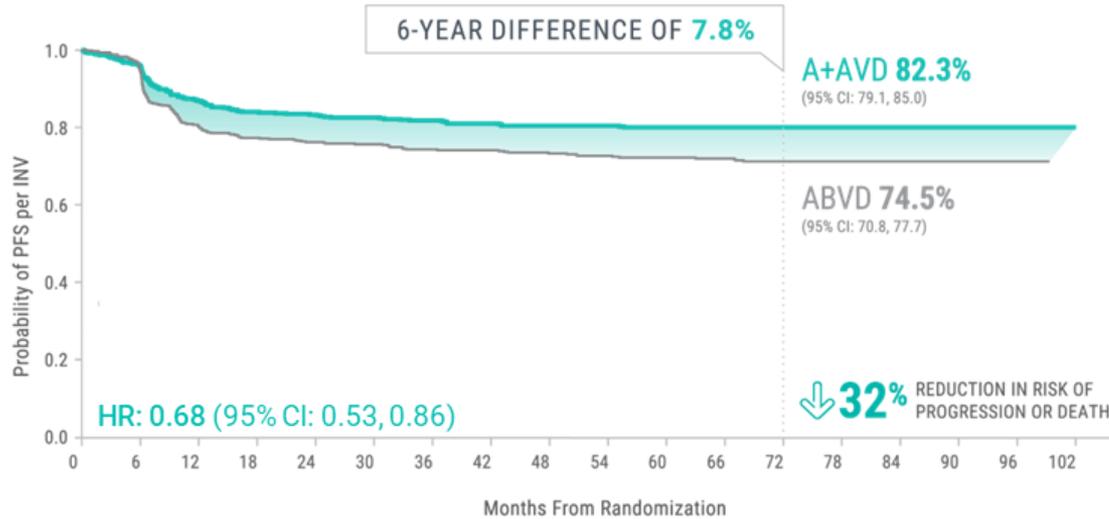
ASCO 2024 (S. Ansell et al)

7year OS: 93.5% with Bv+AVD vs. 88.8% with ABVD

(HR: 0.62; 95% CI: 0.42,0.90) p=0.011

Bv+AVD in advanced stage Hodgkin Lymphoma: 6-year PFS

PFS per INV Follow-Up at 6 Years (ITT Population)¹



NUMBER AT RISK

	0	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102
A+AVD	664	619	563	537	520	508	496	480	463	448	428	400	305	179	86	24	4	0
ABVD	670	612	520	501	485	465	442	432	414	391	371	338	245	154	67	9	1	0

ECHELON-1 primary endpoint:
Modified PFS per IRF at 2 years^{2,3}

- HR (95% CI): 0.77 (0.60, 0.98), $P = 0.035$; median follow-up: 24.6 months
- 23% reduction in event risk[†]

ECHELON-1 exploratory endpoint:
PFS per INV analyzed at 6 years

- PFS per INV was defined as time from randomization to the first occurrence of disease progression or death¹
- Median progression-free survival was not reached in either arm¹

* PFS per INV at 6 years was a post-hoc exploratory analysis. This analysis was not powered to determine differences between treatment arms and offers supportive, but not conclusive, clinical information only.

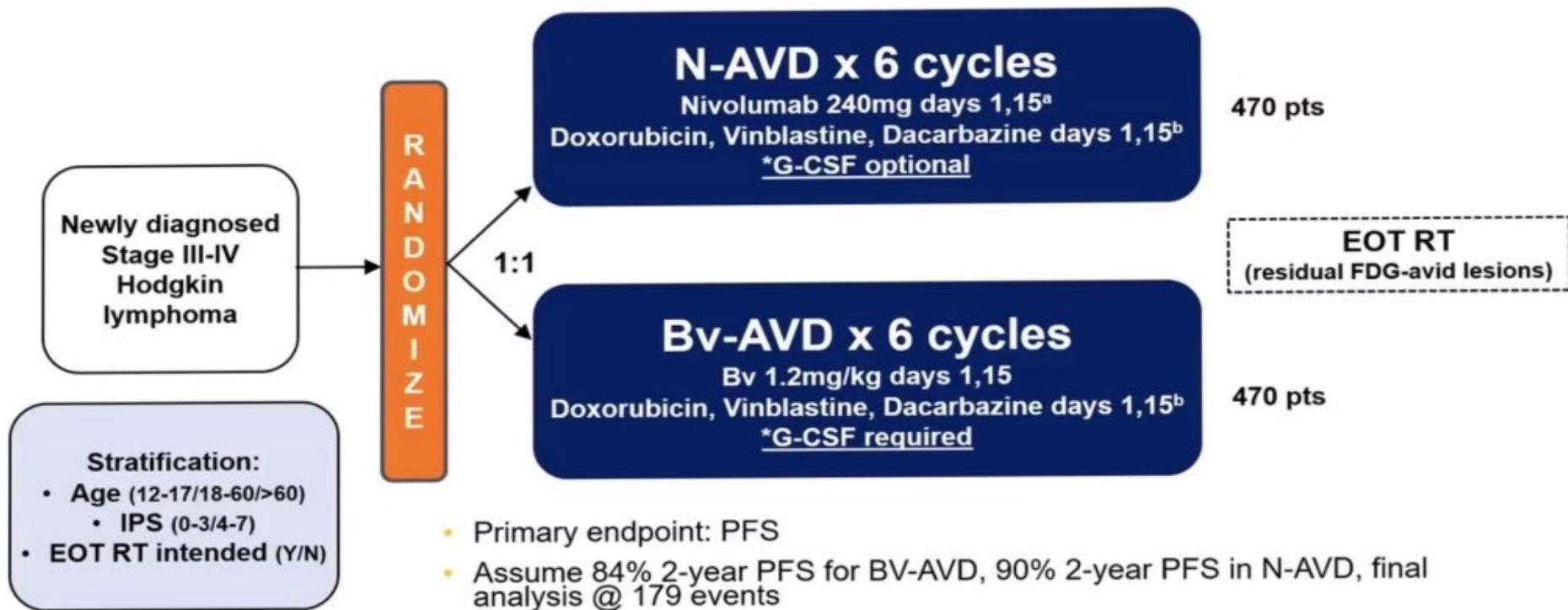
ASCO 2024 (S. Ansell et al)

7-year PFS: 82.3% with Bv+AVD vs. 74.5% with ABVD

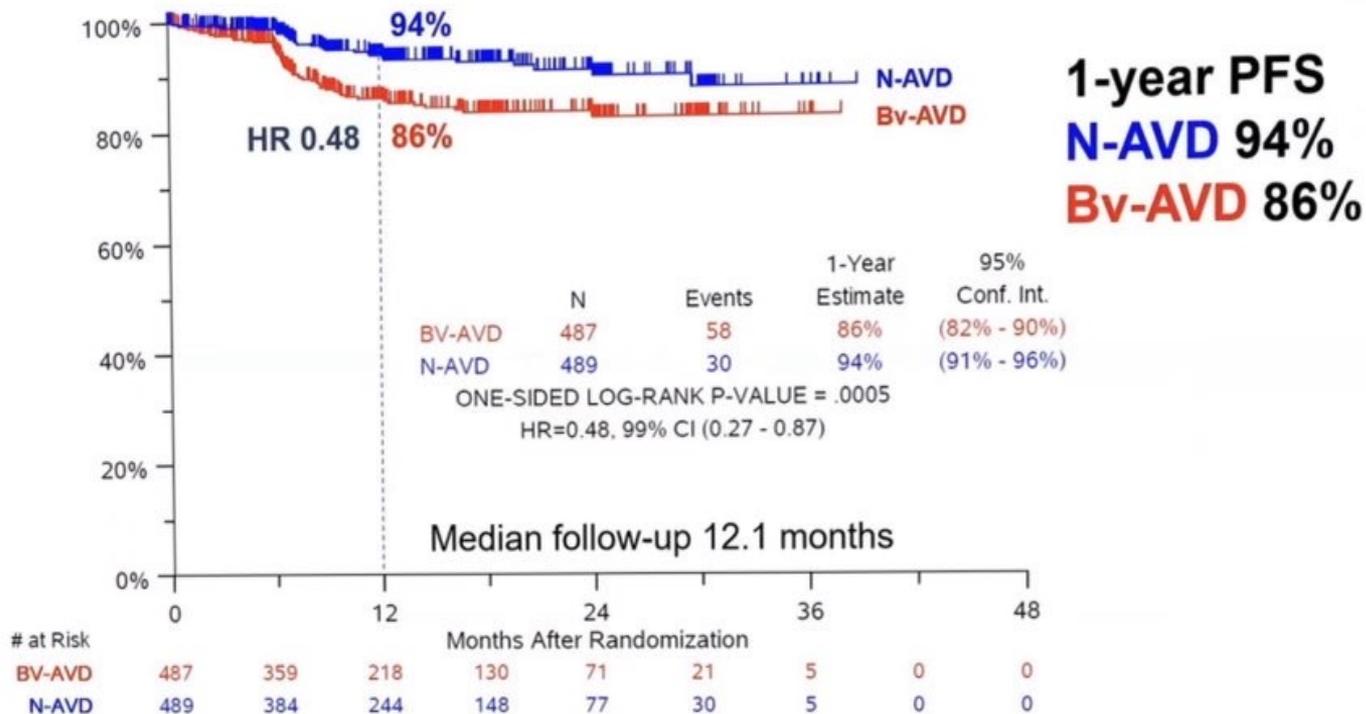
(HR: 0.68; 95% CI: 0.53, 0.86) $p=0.001$

PFS rates at 7 years indicate potential curability

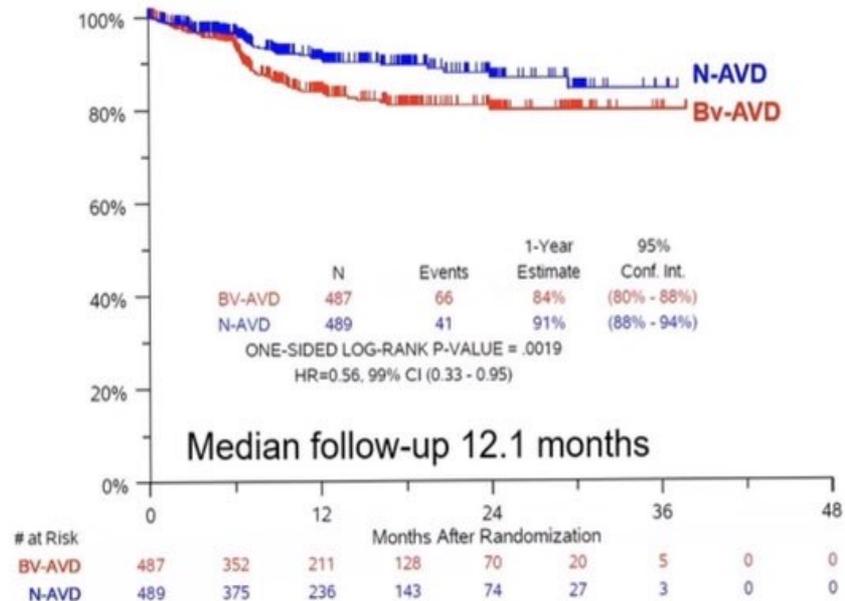
Intergroup Study S1826



Intergroup Study S1826: PFS



Intergroup Study S1826: EFS



1-year EFS

N-AVD 91%

Bv-AVD 84%

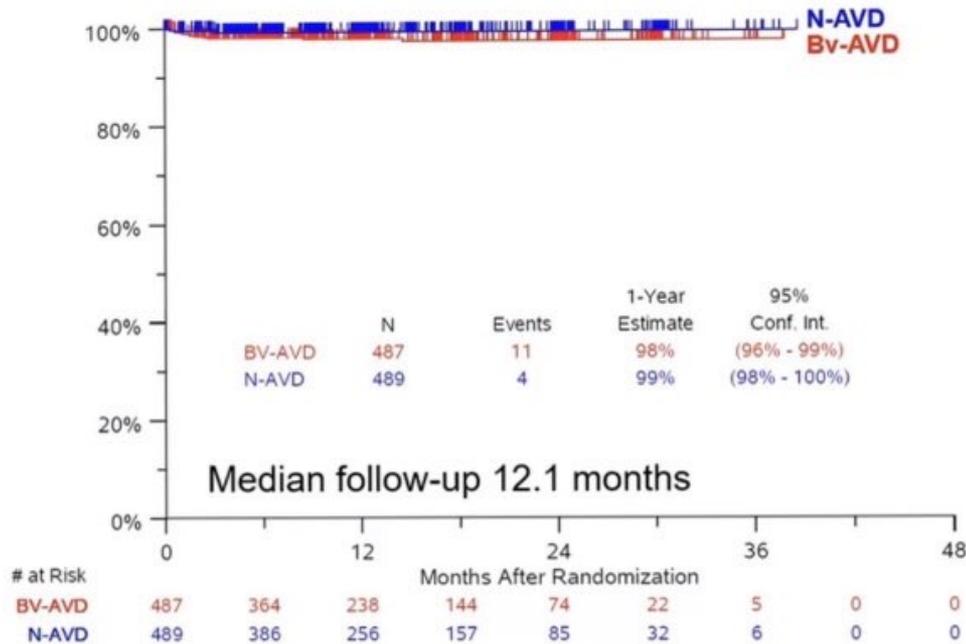
EFS events: death,
progression, non-protocol
treatment before progression

EFS event	N-AVD	Bv-AVD
Non-protocol chemo before PD	9	6
Non-protocol immunotx before PD	1	0
Non-protocol RT prior to PD	1*	3**
Progression/Relapse	26	47
Death without progression	4	10
Total EFS Event	41	66

* Intended for RT, EOT DS=3, received RT anyways

**1/3 intended for RT, 1 with EOT DS=2 and off tx due to AE then received RT, 2 with EOT DS=3 and received RT anyways

Intergroup Study S1826: OS



Cause of death	N-AVD	Bv-AVD
Infection	2	4
Sepsis	1	2*
Cardiac arrest	0	1
Pneumonitis	0	1
Dehydration, vomiting, cHL	0	1
cHL	1**	0
Unknown	1	2
Total OS events	4	11

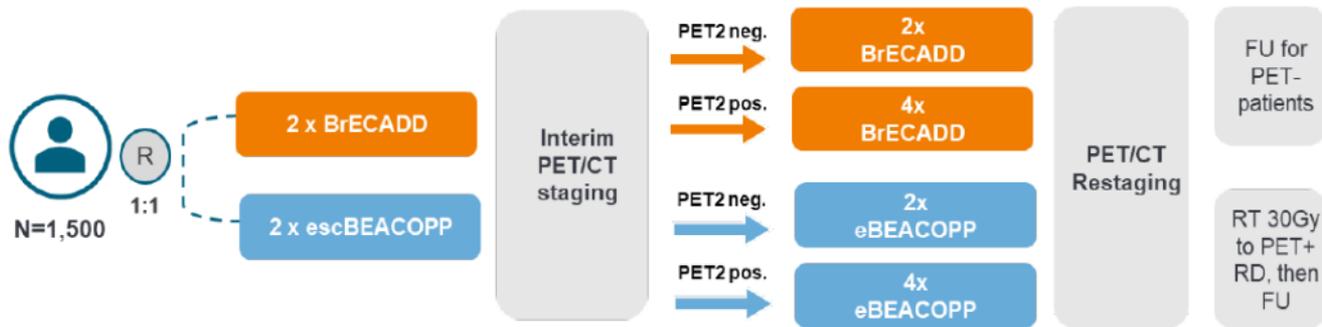
* 1 death from COVID-19/sepsis

** never received treatment, ineligible on C1D1

GHSG HD21: BrECADD versus BEACOPP in advanced stage classical Hodgkin lymphoma

GHSG HD21 study design and primary endpoints

HD21 is an international randomized, open-label, phase 3 study of BrECADD versus eBEACOPP in adult patients < 60 yo with previously untreated, AS-cHL



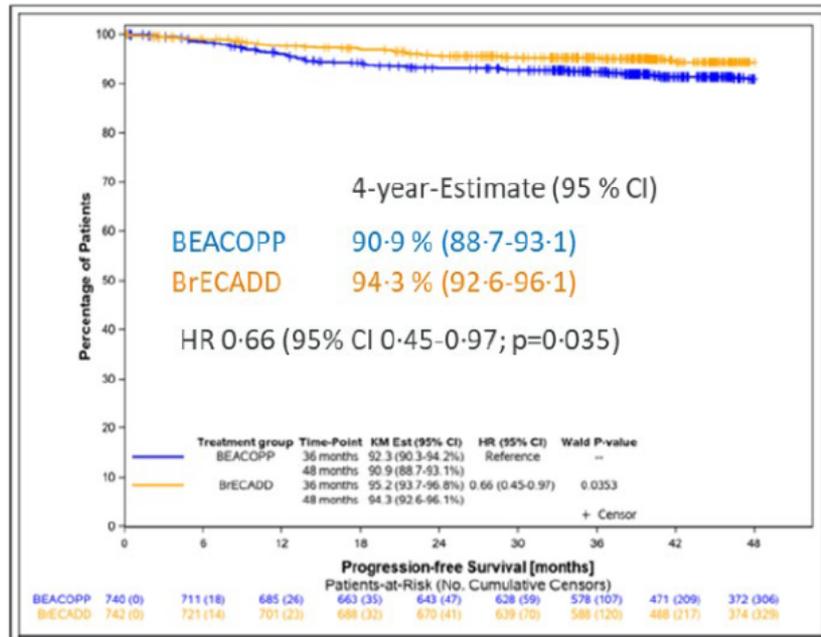
Co-primary objectives:

- Demonstrate **superior tolerability** defined by treatment-related morbidity (TRMB) with BrECADD.
- Demonstrate **non-inferior efficacy** of 4-6 x BrECADD compared with 4-6 x BEACOPP determined by PFS (NI margin 6%, HR to be excluded 1.69)

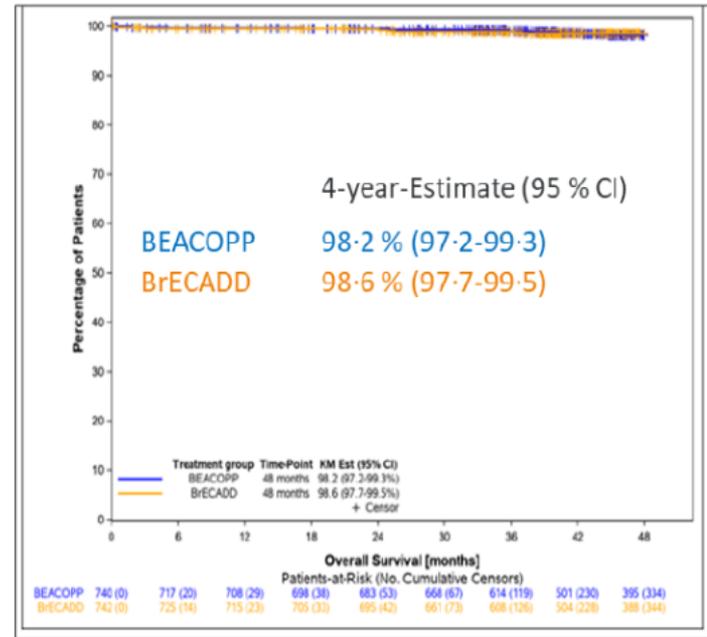
GHSg HD21: BrECADD versus BEACOPP

HD21 final analysis: BrECADD is superior to eBEACOPP (mFU 48 m)

Progression-free survival



Overall survival



BrECADD versus BEACOPP: Key Findings

1. **BrECADD is more active than eBEACOPP** reaching
 - an unprecedentedly high 4-year PFS of 94.3%
 - with most patients (64%) receiving only 4 cycles (i.e. 12 weeks) of treatment.
2. **BrECADD is better tolerated than eBEACOPP:** TRMB relative risk 0.72 ($p < 0.0001$) with
 - resolution of TRMB events in > 99% of patients at 12 months follow-up
 - a clinically highly relevant reduction of neuropathy and gonadal dysfunction

➤ PET2-guided individualized BrECADD has a very favourable risk-benefit ratio.
We thus recommend it as **standard treatment option for AS-cHL**.

Lymphoma Program at TGH Cancer Institute



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BMT/ CAR T cells



Pselane Coney,
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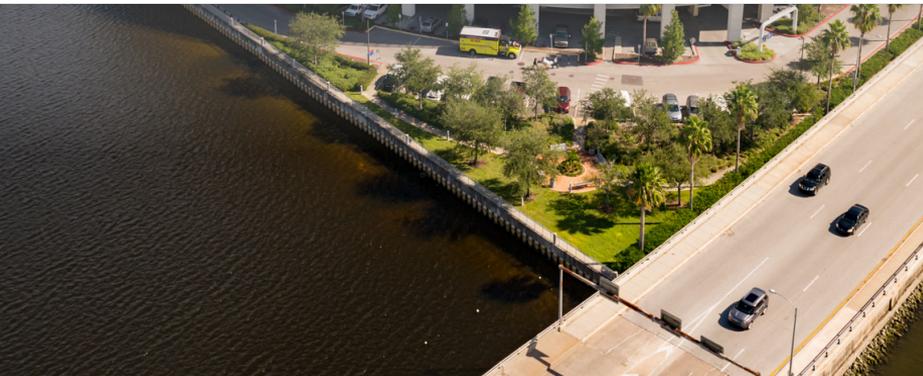
Rosa Ancaya, PA



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THANK YOU !



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