

# La terapia cellulare CAR-T è più efficace del trapianto autologo nella terapia di seconda linea dei linfomi B a grandi cellule ricaduti precocemente?

## Le ragioni del no

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CONVEGNO EDUCAZIONALE GITMO

## HOT QUESTIONS IN TRASPLANTATION AND CELLULAR THERAPIES

**Udine**

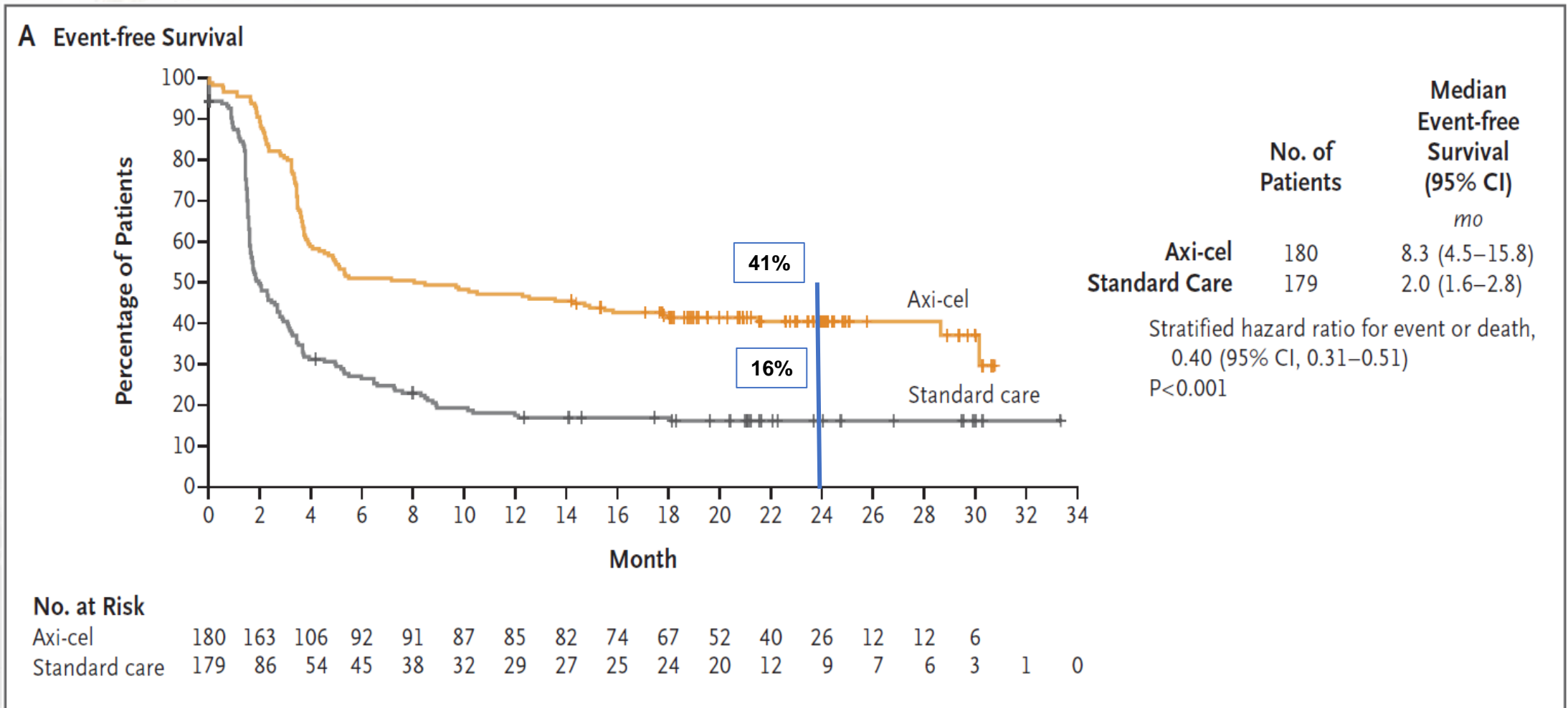
**13-14 novembre 2023**

Aula Polifunzionale - Ospedale di Udine

NOME COMMERCIALE	INN*	INDICAZIONE	SOMMINISTRAZIONE E VETTORE	AZIENDA	APPROVAZIONE EUROPEA	AIC* IN EUROPA	AIC* IN ITALIA
Kymriah®	tisagenlecleucel	leucemia linfoblastica acuta a cellule B e linfoma diffuso a grandi cellule B	ex vivo lentivirus	Novartis Europharm Limited	agosto 2018 farmaco orfano	✓	✓  Classe H* agosto 2019
		linfoma follicolare recidivante o refrattario			maggio 2022	✓	✓
Yescarta®	axicabtagene ciloleucel	linfoma diffuso a grandi cellule B e linfoma primitivo del mediastino a grandi cellule B refrattari o recidivanti	ex vivo retrovirus	Kite Pharma EU	agosto 2018 farmaco orfano	✓	✓  Classe H* novembre 2019
		linfoma follicolare recidivante o refrattario			giugno 2022	✓	✗
		linfoma diffuso a grandi cellule B e linfoma a cellule B di alto grado con ricaduta entro 12 mesi o refrattari			ottobre 2022	✓	✗
Tecartus™	brexucabtagene autoleucel	linfoma a cellule mantellari recidivante o refrattario	ex vivo retrovirus	Kite Pharma EU	dicembre 2020 farmaco orfano	✓	✓  Classe H* marzo 2022
		leucemia linfoblastica acuta da precursori delle cellule B recidivante o refrattaria			settembre 2022	✓	✗
Breyanzi®	lisocabtagene maraleucel	DLBCL, linfoma primitivo del mediastino a grandi cellule B e linfoma follicolare	ex vivo lentivirus	Bristol-Myers Squibb / Celgene	aprile 2022	✓	✗
		linfoma a grandi cellule B refrattario o recidivante			luglio 2023	✓	✗

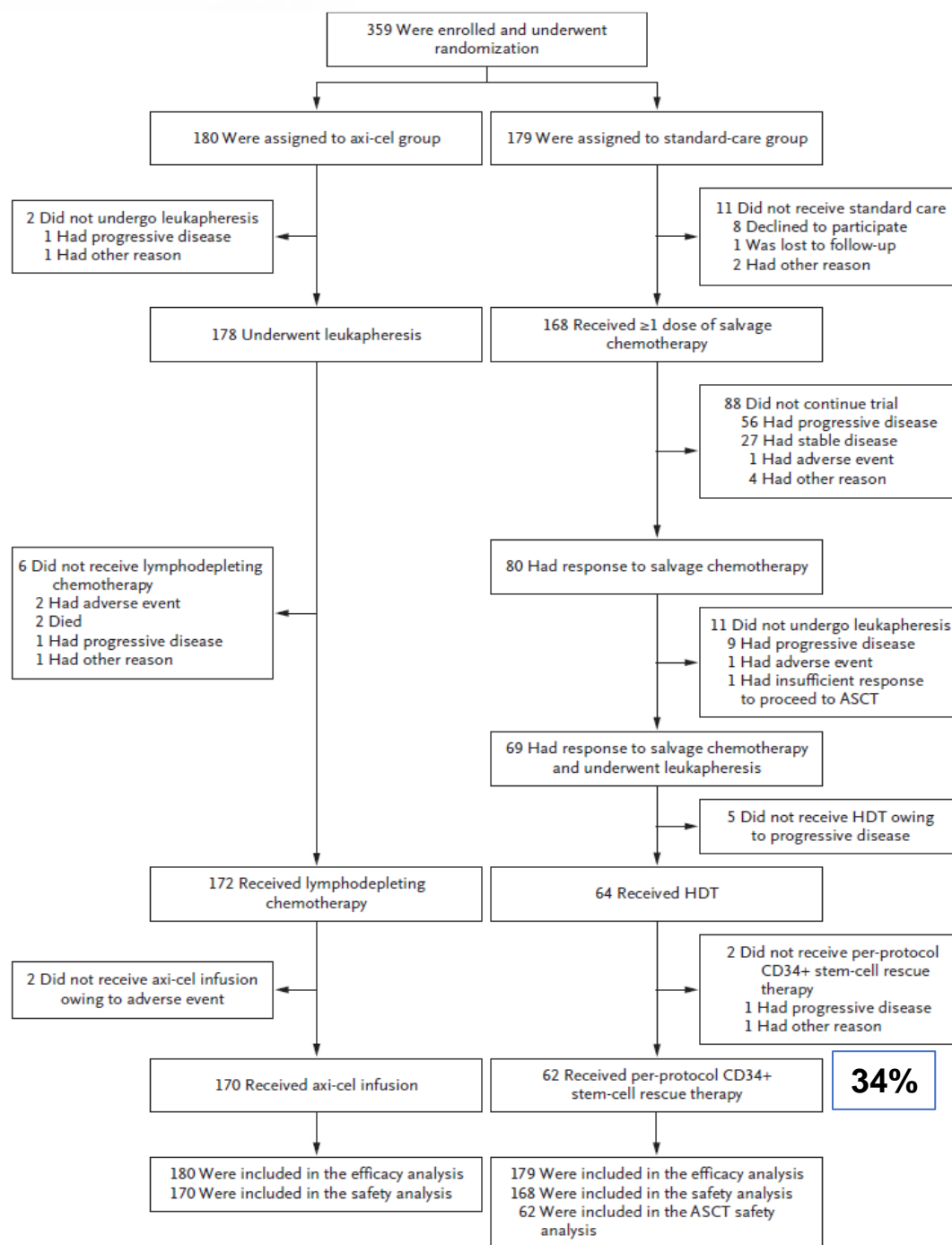
Dati OTA, settembre 2023

# ZUMA7

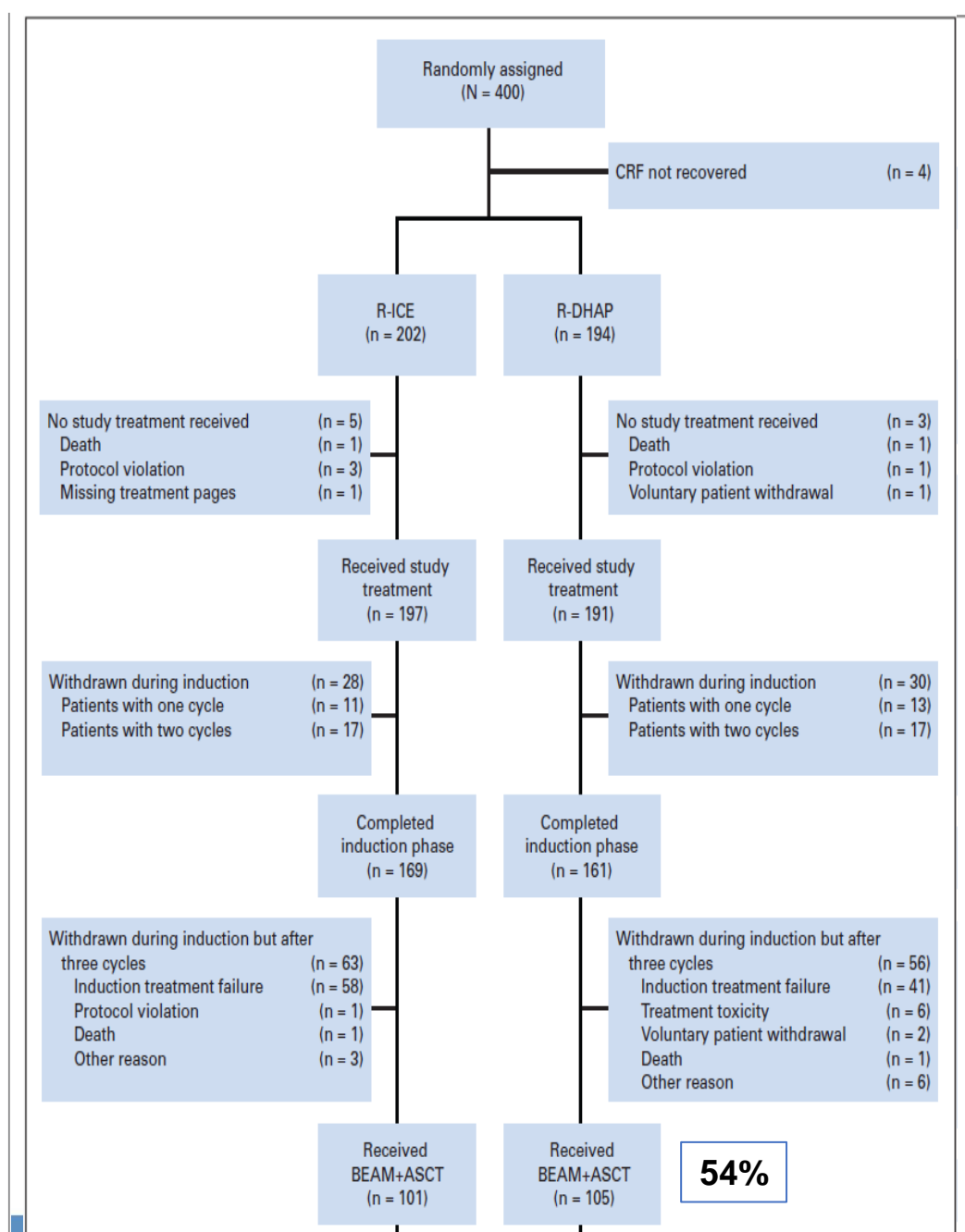


Locke, NEJM 2021

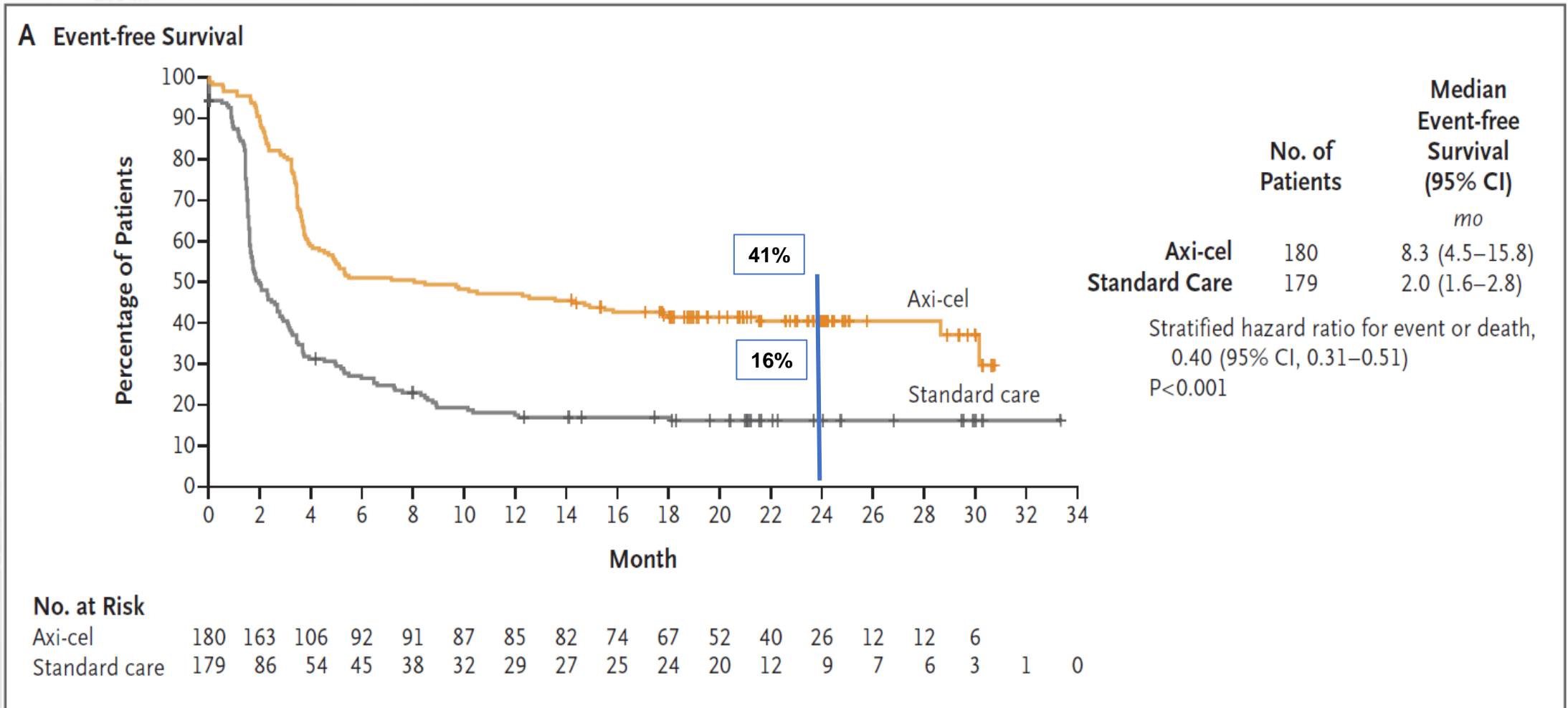
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Locke, NEJM 2021



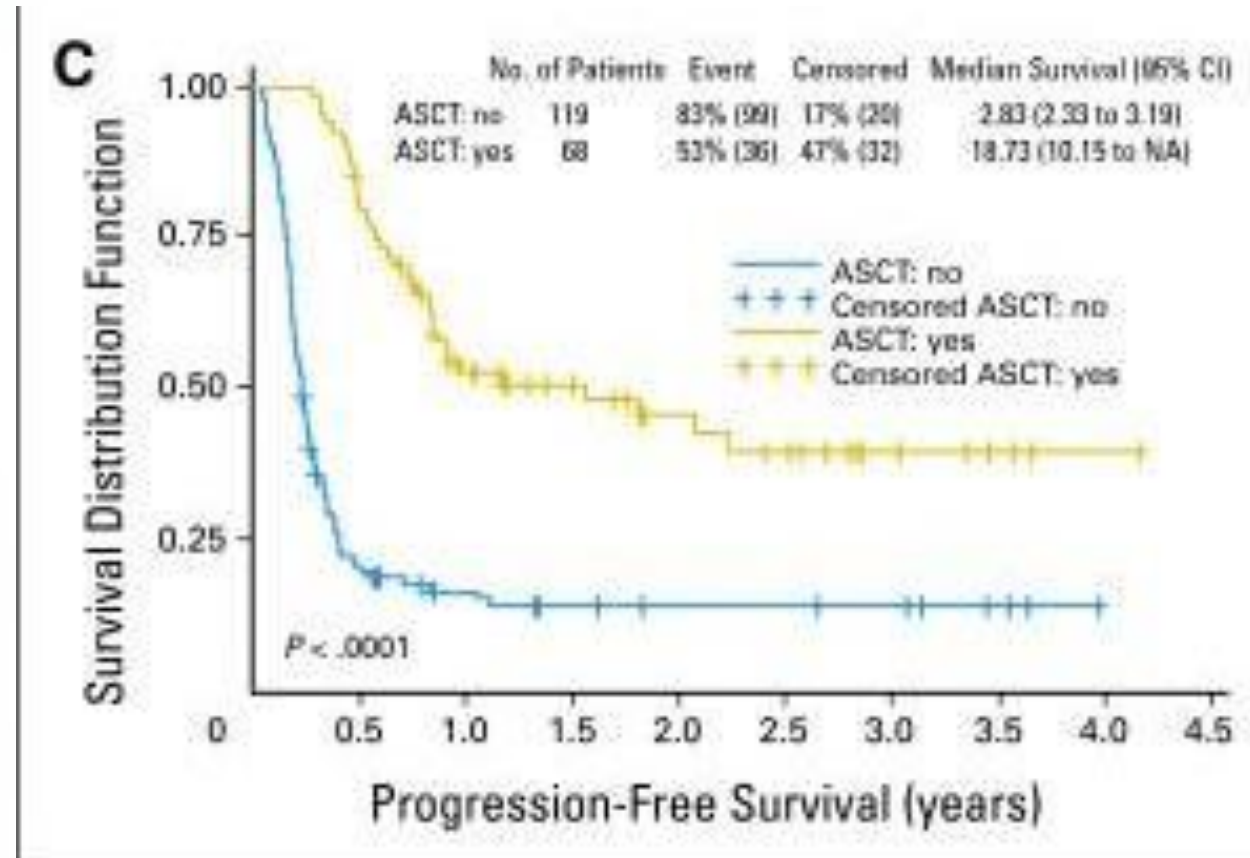
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Locke, NEJM 2021

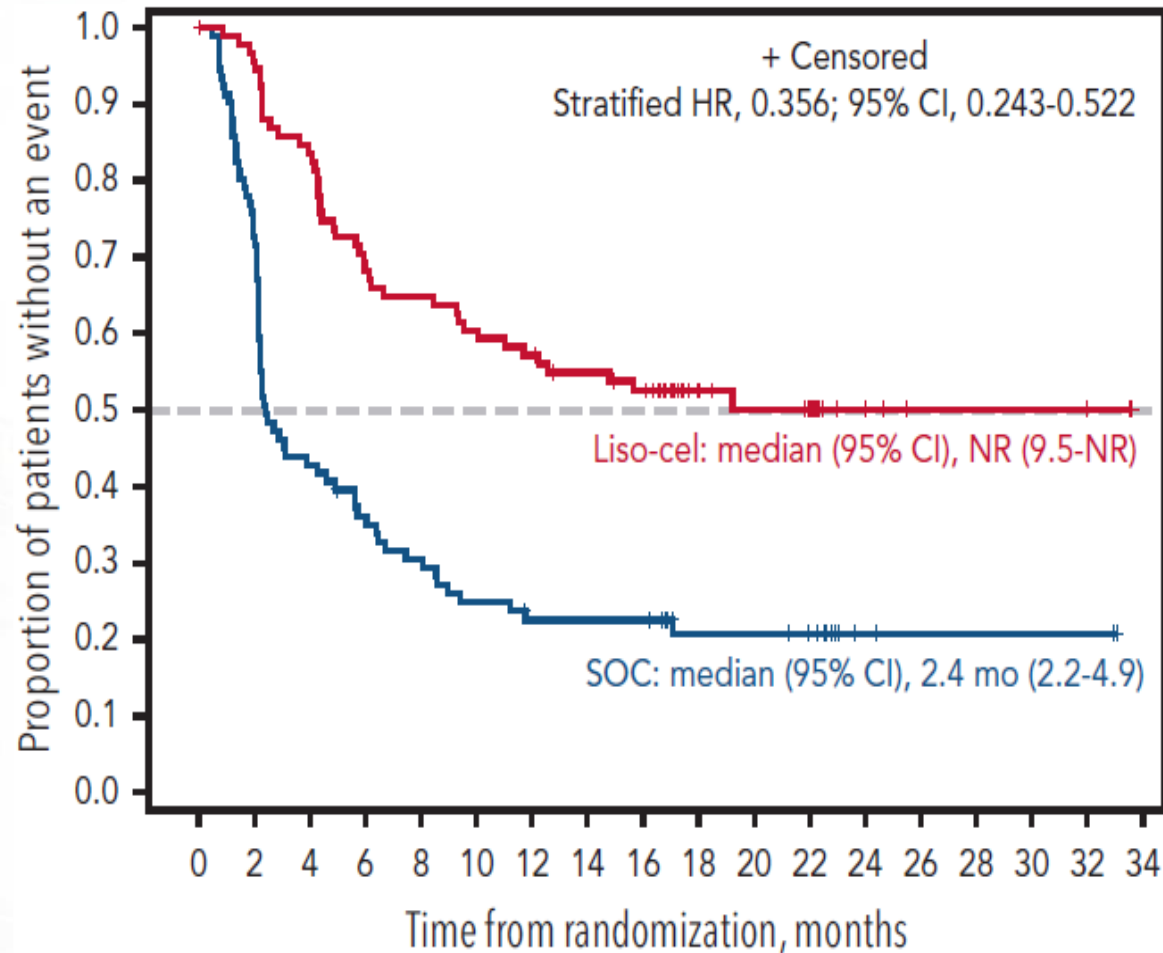
# CORAL study: HDC in poor prognosis DLBCL

Patients in CR/PR after salvage CT



Gisselbrecht, JCO 2010

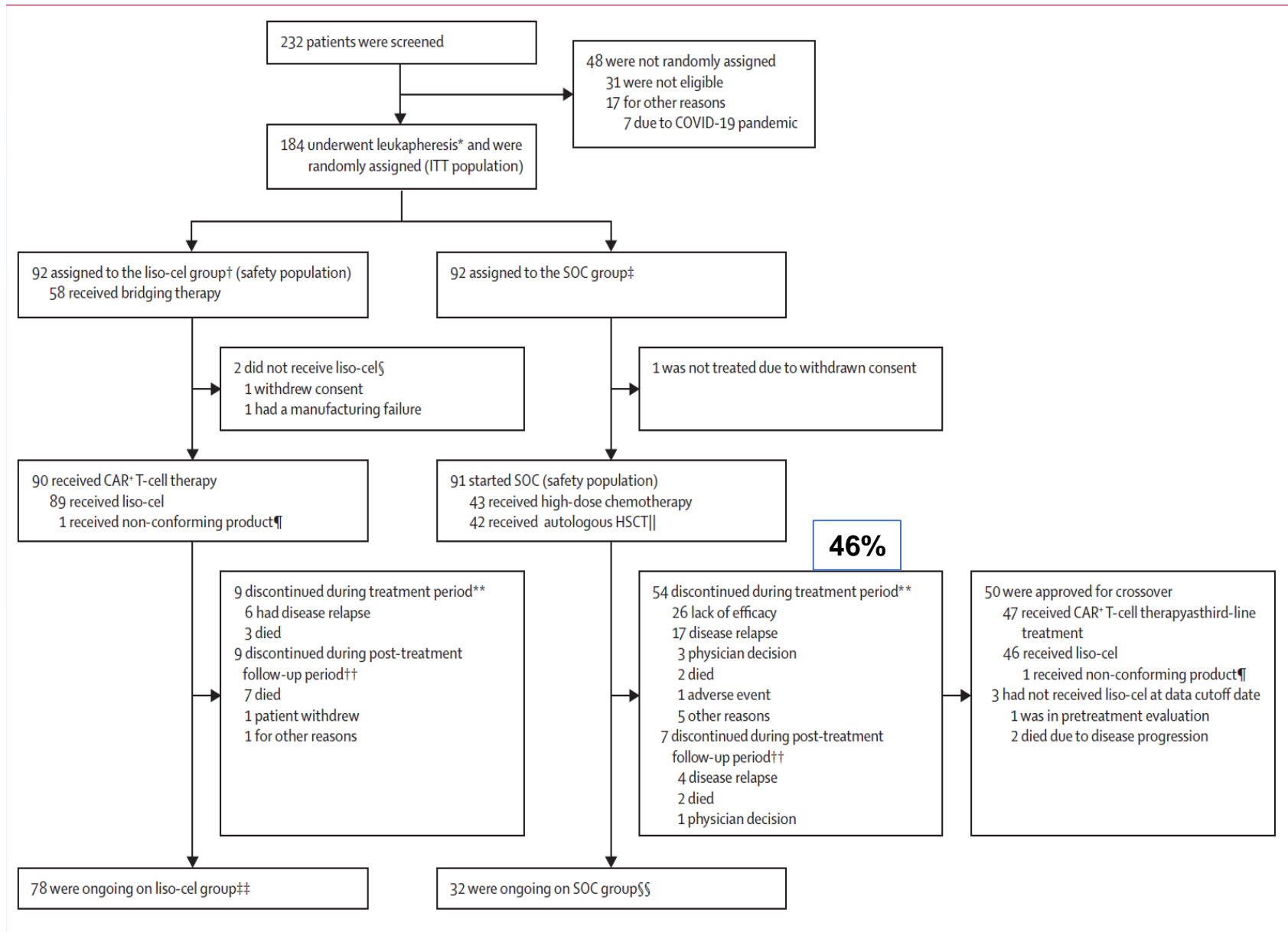
# TRANSFORM



Abramson, Blood 2023

# TRANSFORM

36 days



Kamdar, Lancet Haematol 2022

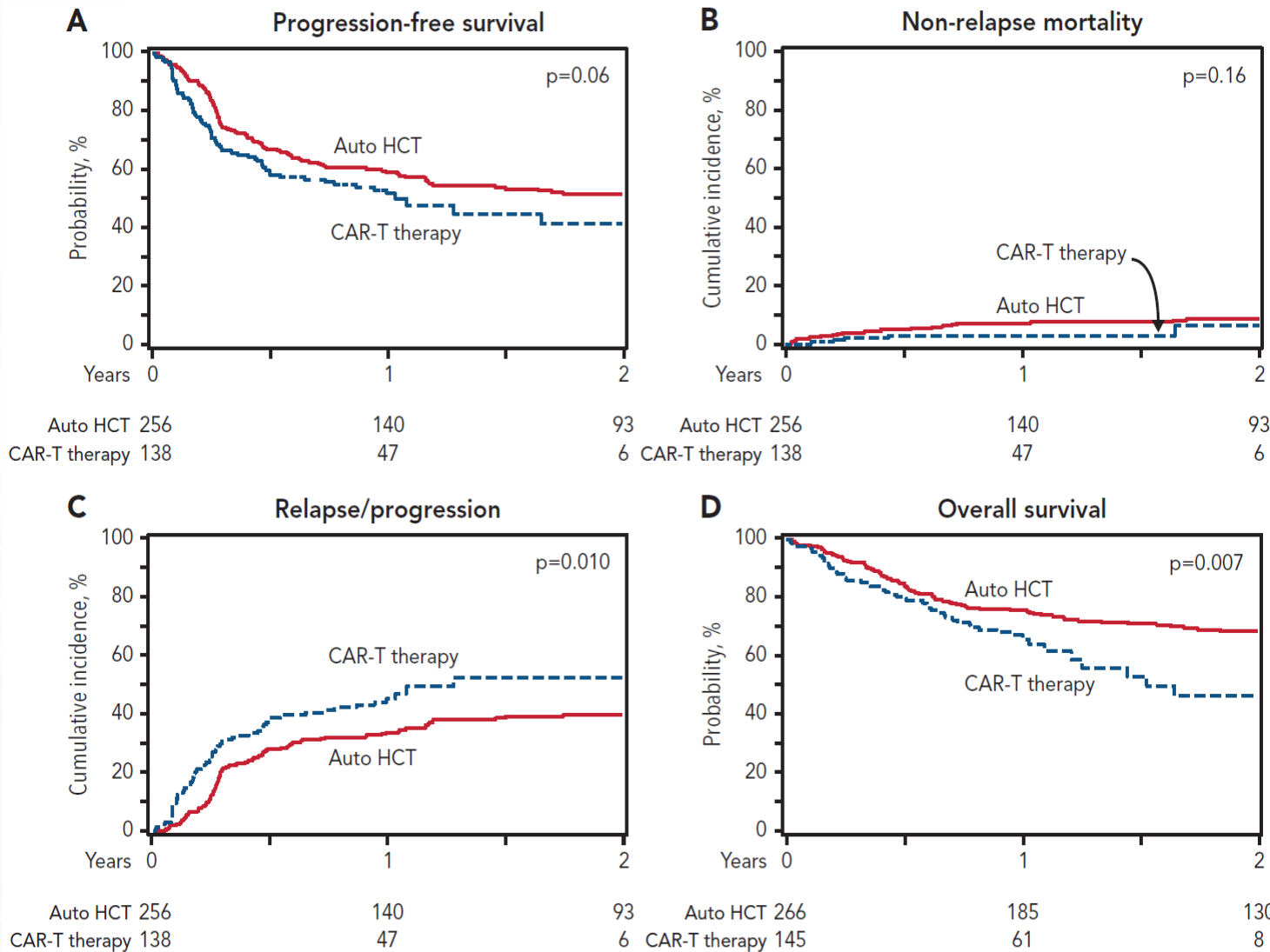


# TRANSFORM

	Liso-cel group (n=92)	Standard-of-care group (n=92)	Stratified HR (95% CI)*	p value
<b>Duration of response for patients who achieved a complete response</b>				
Number of patients with events	14 (15%)	12 (13%)	..	
Duration (95% CI), months	NR (6.8–NR)	14.5 (4.7–NR)	0.65 (0.30–1.43)	
6-month duration (95% CI‡)	71.0% (56.1–86.0)	65.9% (47.2–84.5)	..	
12-month duration (95% CI‡)	62.1% (44.6–79.6)	54.7% (33.7–75.7)	..	

Kamdar, Lancet Haematol 2022

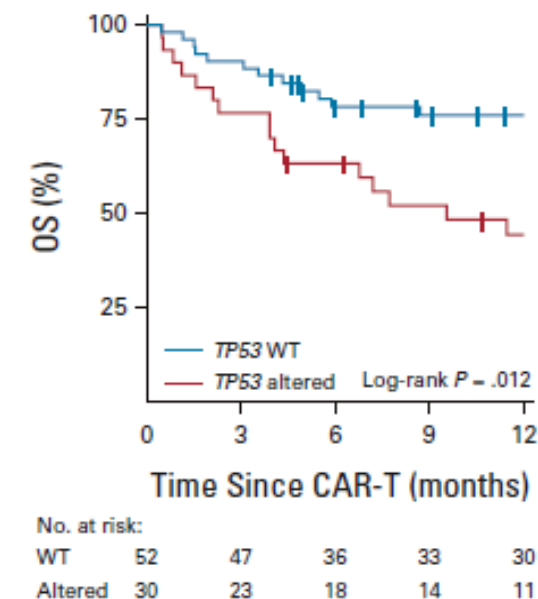
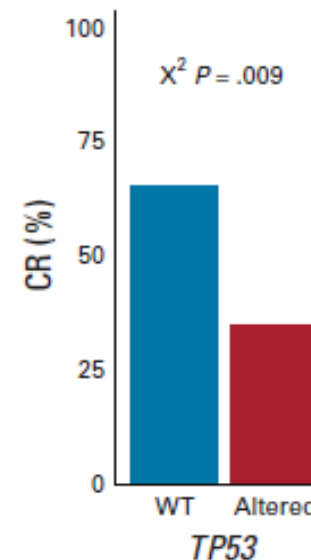
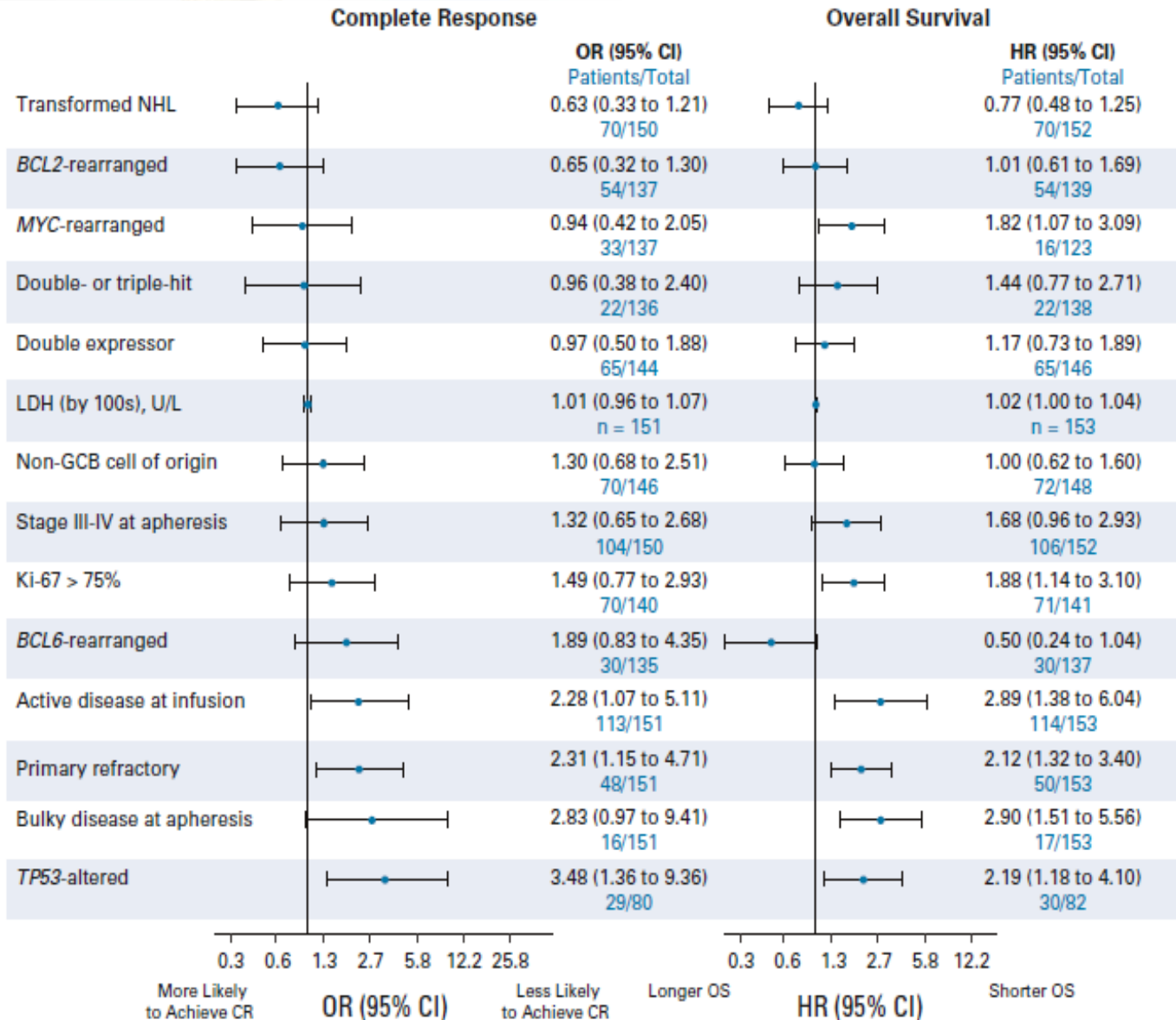
# Disease status



DLBCL in PR before  
HDC or CART (Axi-cel)

Shadman, Blood 2022

# Disease heterogeneity



Shouval, JCO 2022

# Conclusions 1

Patients RR LBCL achieving CR/PR after salvage CT can be offered HDC

More effective salvage CT can improve the proportion of responding patients

Subgroups of patients can be less susceptible to CART

However,

# Conclusions 2

Disease	Disease status	MSD allo	MUD allo	MMAD allo	Auto	CAR-T
<i>Haematological malignancies</i>						
LBCL	CR1 (intermediate/high IPI at diagnosis)	GNR/III	GNR/III	GNR/III	CO/I	GNR/III
	Untested relapse	GNR	GNR	GNR	GNR	S/I
	Chemosensitive early relapse, $\geq$ CR2	CO/II	CO/II	D/III	CO/I	S/II
	Chemosensitive late relapse, $\geq$ CR2	CO/II	CO/II	D/III	S/II	CO/II
	Chemosensitive relapse after auto-HSCT failure	CO/II	CO/II	CO/III	GNR/III	S/II
	Refractory disease	CO/II	CO/II	CO/III	GNR/I	S/I
	Primary CNS lymphoma	GNR/III	GNR/III	GNR/III	S/II	D/III

Snowden, BMT 2022