



## ADVANCING CANCER CURES

The mission of The Leukemia & Lymphoma Society® (LLS) is to cure leukemia, lymphoma, Hodgkin's disease and myeloma, and improve the quality of life of patients and their families.

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We fund **RESEARCH** to advance lifesaving treatments

We drive **ADVOCACY** for policies that protect patient access to lifesaving treatment

We provide patients and families with hope, guidance, education and **SUPPORT**



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## WHAT IS NEW IN CAR T-CELL THERAPY?

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 Stanford University  
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## WELCOMING REMARKS

BLOOD CANCERS: MANAGING SIDE EFFECTS



**Lizette Figueroa-Rivera, MA**  
Sr. Director, Education & Support  
The Leukemia & Lymphoma Society



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# Advances in Chimeric Antigen Receptor Therapy for Leukemia and Lymphoma

**David Miklos MD/PhD**

Professor of Medicine

Chief BMT and Cell Therapy Division

Stanford University School of Medicine

Leukemia and Lymphoma Society Presentation

Tuesday, February 15, 2022

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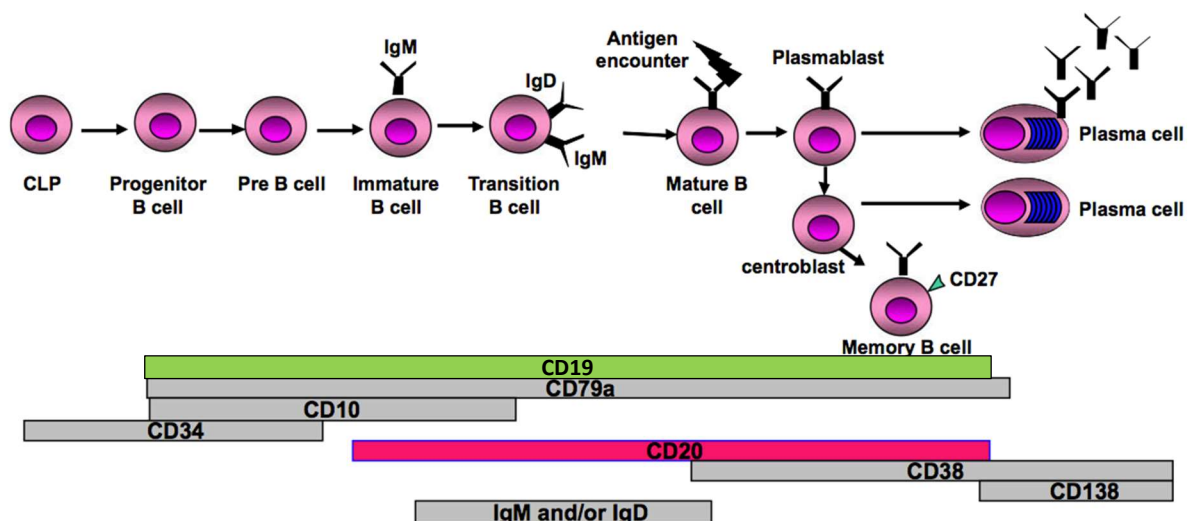
## Dr. Miklos' Disclosures:

- CAR-T, AlloHCT, cGVHD, and MRD are evolving fields and this presentation reflects the critical opinion of Dr. Miklos alone
- Scientific Advisory Boards:
  - Adaptive Biotechnologies, Novartis, Juno-Celgene-BMS, Kite-Gilead, Pharmacylics-AbbVie, Janssen, Pharmacylics, Allogene, Precision Bioscience, Miltenyi Biotech, Sanofi
- Industry Contracted Research:
  - Pharmacylics - AbbVie, Kite-Gilead, Novartis, Roche, Genentech, Becton Dickinson, Isoplexis
- **Dr. Miklos does not hold equity or stock in any of these companies**

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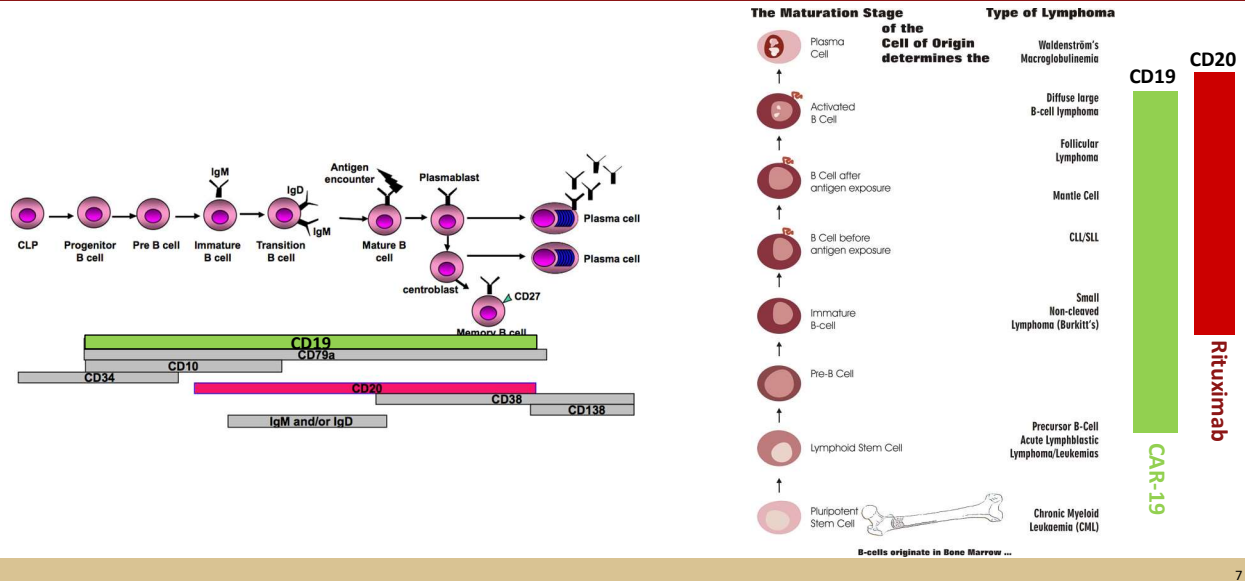
## B Cells Express Surface Proteins CD19 and CD20



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## Leukemia and Lymphoma arise from maturation arrest and most expresses **CD19** and **CD20**



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## What is CAR-T?

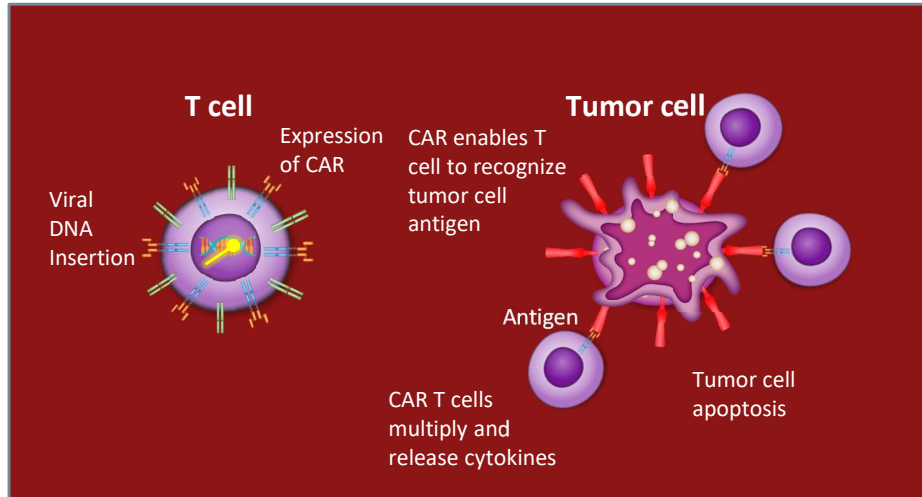
CAR T therapy is the name given to **Chimeric Antigen Receptor (CAR) T cells** that are genetically modified to recognize specific tumor antigens causing T Cell activation and proliferation causing cytotoxic durable destruction of cancer.

- CAR T cells are considered **“a living drug”** since they proliferate and persist for long periods of time
- CAR T cells are generally created from the patients own blood cells although this technology is evolving to develop “off the shelf” allogeneic CAR T cells.

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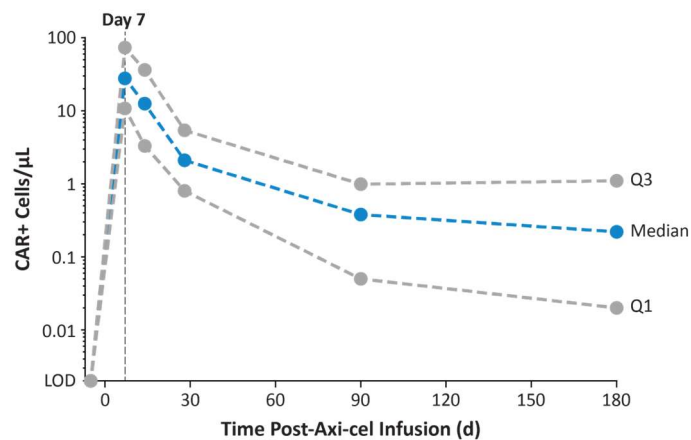
## CAR-T cells: Mechanism of Action



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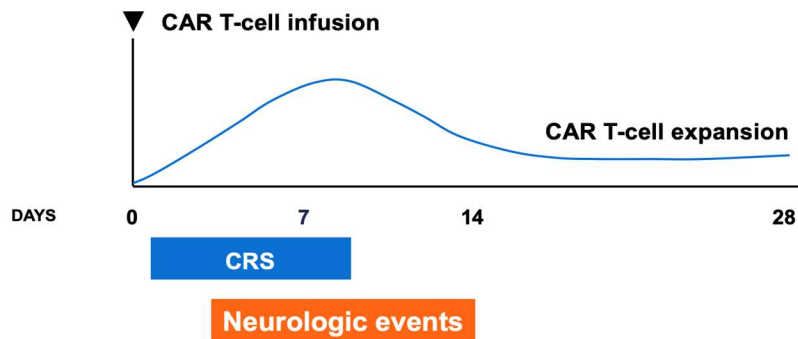
## CAR19 is a “living Therapy” that expands 2-4 logs in one week



LOD =  $0.002/1 \times 10^5$  peripheral blood mononuclear cells.  
 qPCR validated assay as per Locke et al. *Mol Ther.* 2015.

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## Two main CAR-T Toxicities: Cytokine Release Syndrome and Neurologic

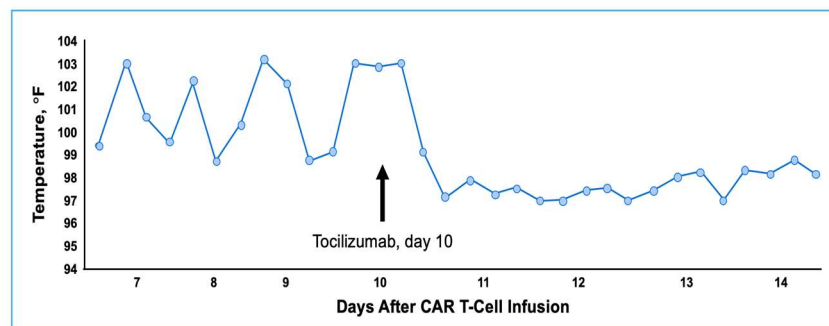


➤ May occur within minutes or hours but generally appears within days or weeks  
Coincides with maximal T-cell expansion

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## Cytokine Release Syndrome – The 7<sup>th</sup> CAR-T patient was a 5 year-old Hero



Emily was 5 yo with refractory acute lymphoblastic leukemia when she was the 7<sup>th</sup> patient treated at Children's Hospital of Philadelphia - CHOP.

Her unrelenting fevers and hypotension reminded Carl June of his own daughter's juvenile arthritis. Tocilizumab had been recently FDA approved for JA. Drs. Grupp and June tried it.

**The Promise and Price of Cellular Therapies**  
By Siddhartha Mukherjee, [New Yorker.com](http://NewYorker.com)

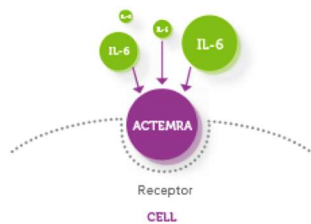
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## Cytokine Release Syndrome Treatment

### Tocilizumab blocks IL-6 Receptor

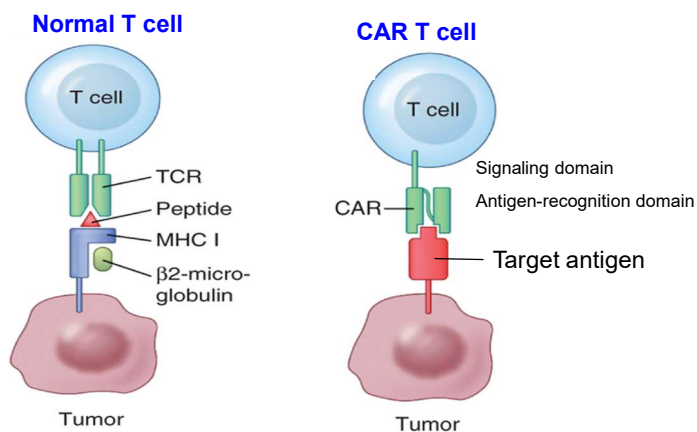
- IL-6 receptor inhibitor
- Blocks IL-6-mediated effects
- Monoclonal antibody with  $t_{1/2} \sim 21$  days
- Indicated for the treatment of rheumatologic disorders



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## Chimeric Antigen Receptor (CAR) Modified T cells



### CAR-T benefits:

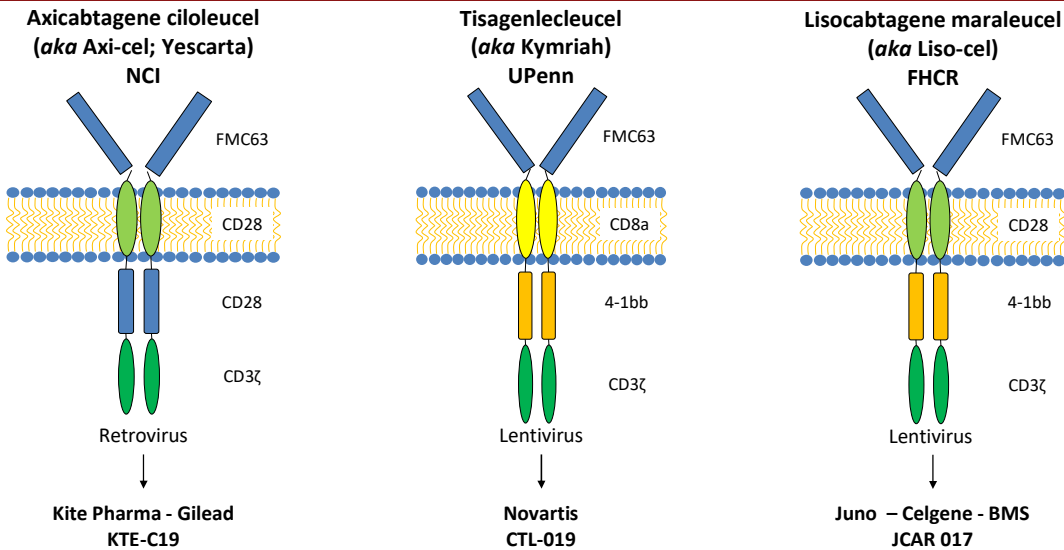
- Expansion and proliferation
- Localization
- Cytotoxic Killing
- Persistence

Adapted from Hinrichs &amp; Restifo. Nat Biotech 2013

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## Three Anti-CD19 CAR T-cell Products are FDA Approved as 3<sup>rd</sup> Line Therapy for Rel/Ref DLBCL



[1] Adapted from: van der Stegen SJ et al. Nat Rev Drug Discov. 2015 Jul;14(7):499-509.

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## Different CAR-T Expansion Rates and Persistence are based upon Costimulatory Domain

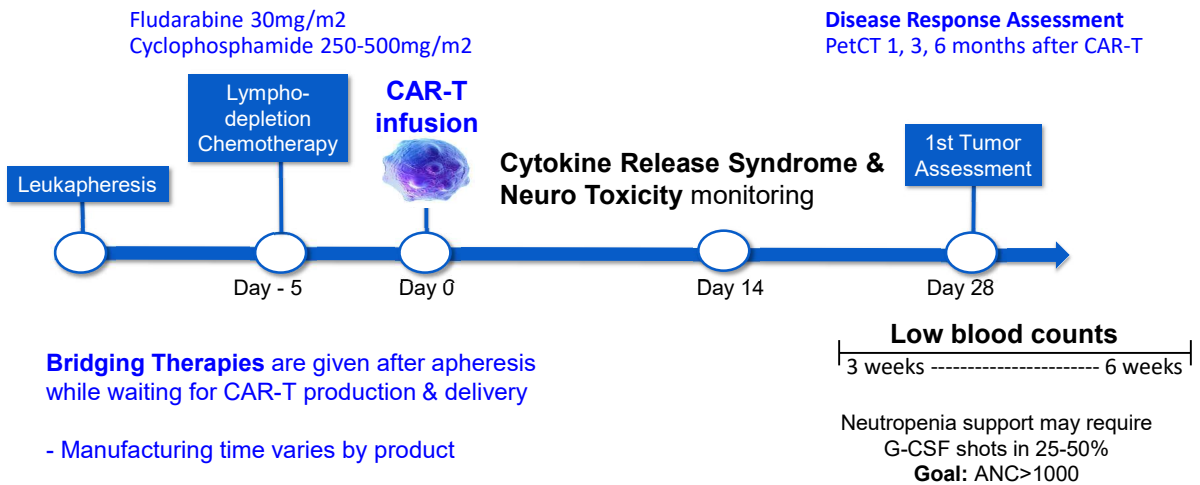


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## Treatment Schema for CAR T-cell Therapy

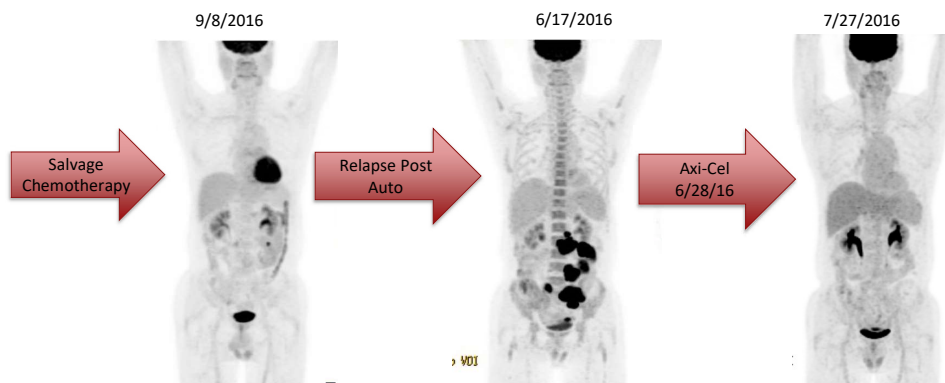


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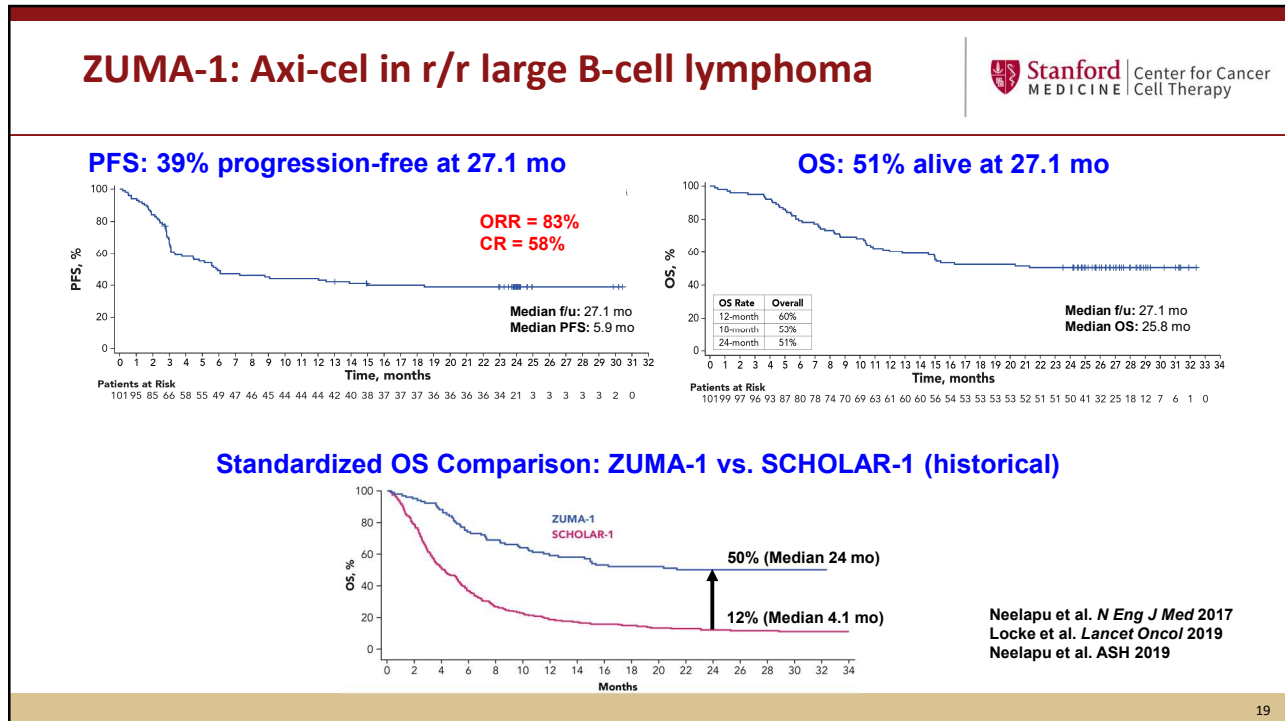
## Zuma-1 patients were chemo-refractory or relapsed after autologous Transplants

65 y/o male with follicular lymphoma that transformed to diffuse large cell lymphoma  
 R-CHOP x8 cycles provided partial response.  
 Salvage chemo: 4 cycles of R-DHAP provided complete response  
 Relapsed within 6 months of autologous transplant  
 Axi-Cel therapy devoid of fever, CRS, or neurotoxicity and provided complete response




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## Rel/Ref DLBCL Multicenter Trials in NHL


**Stanford** Center for Cancer  
 MEDICINE Cell Therapy

	<b>ZUMA-1</b> Axicabtagene ciloleucel (n=101)	<b>JULIET</b> Tisagenlecleucel (n=93)	<b>Transcend</b> Lisocabtagene Maraleucel (n=344; 269 infused)
<b>Overall Response</b>	82%	52%	73%
<b>Complete Response</b>	58%	40%	53%
<b>Median DOR</b>	11.1 months	Not reached (est. 12 mo DOR 65%)	Not reached (est.12 mo DOR 55%)

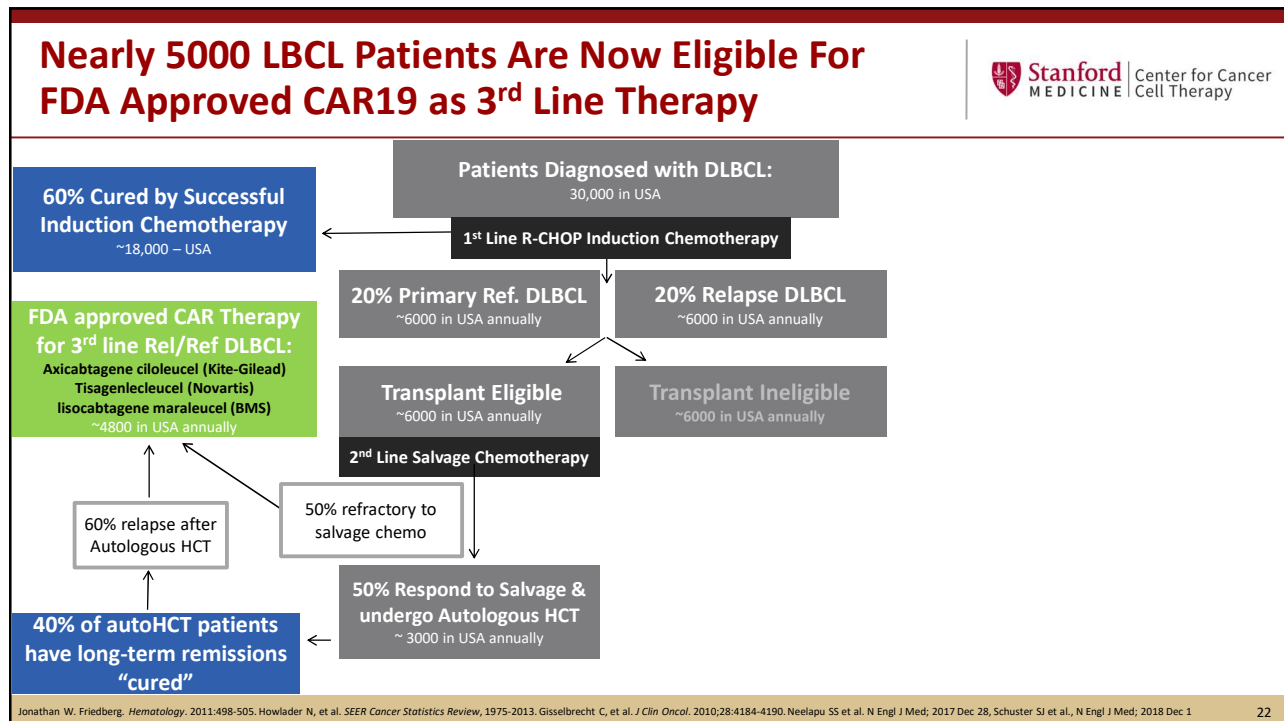
Locke F et al. *Cancer Discovery* 2018
Schuster SJ et al., *N Engl J Med*; 2018
Abramson JS et al., *Lancet* Sept. 2020
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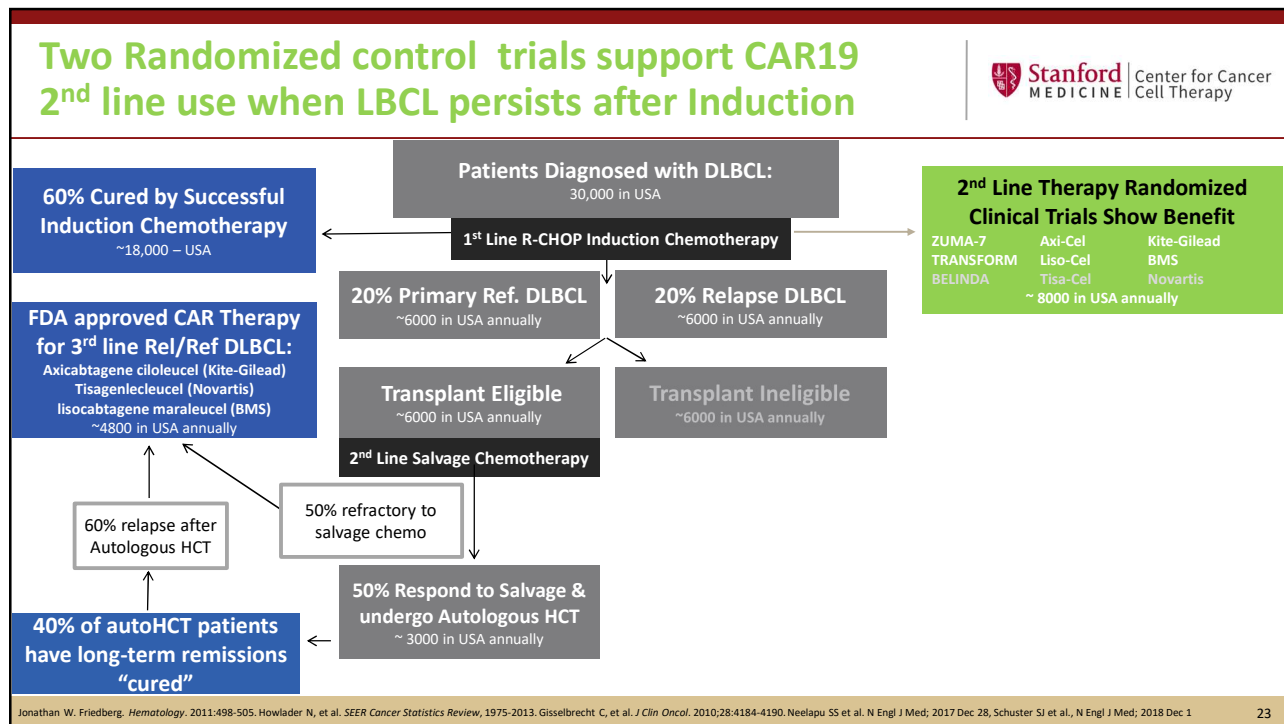
<b>Rel/Ref DLBCL Multicenter Trials in NHL</b>		Stanford MEDICINE   Center for Cancer Cell Therapy	
	<b>ZUMA-1</b> Axicabtagene ciloleucel (n=101)	<b>JULIET</b> Tisagenlecleucel (n=93)	<b>Transcend</b> Lisocabtagene Maraleucel (n=344; 269 infused)
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<b>Median DOR</b>	11.1 months	Not reached (est. 12 mo DOR 65%)	Not reached (est. 12 mo DOR 55%)
<b>CRS</b> (all - ≥3 grade)	92% - 11%	* UPENN grading used 58% - 22%	42 - 2%
<b>NT</b> (all - ≥3 grade)	67% - <b>32%</b>	21% - <b>12%</b>	30% - <b>10%</b>

Locke F et al. Cancer Discovery 2018      Schuster SJ et al., N Engl J Med; 2018      Abramson JS et al., Lancet Sept. 2020      21

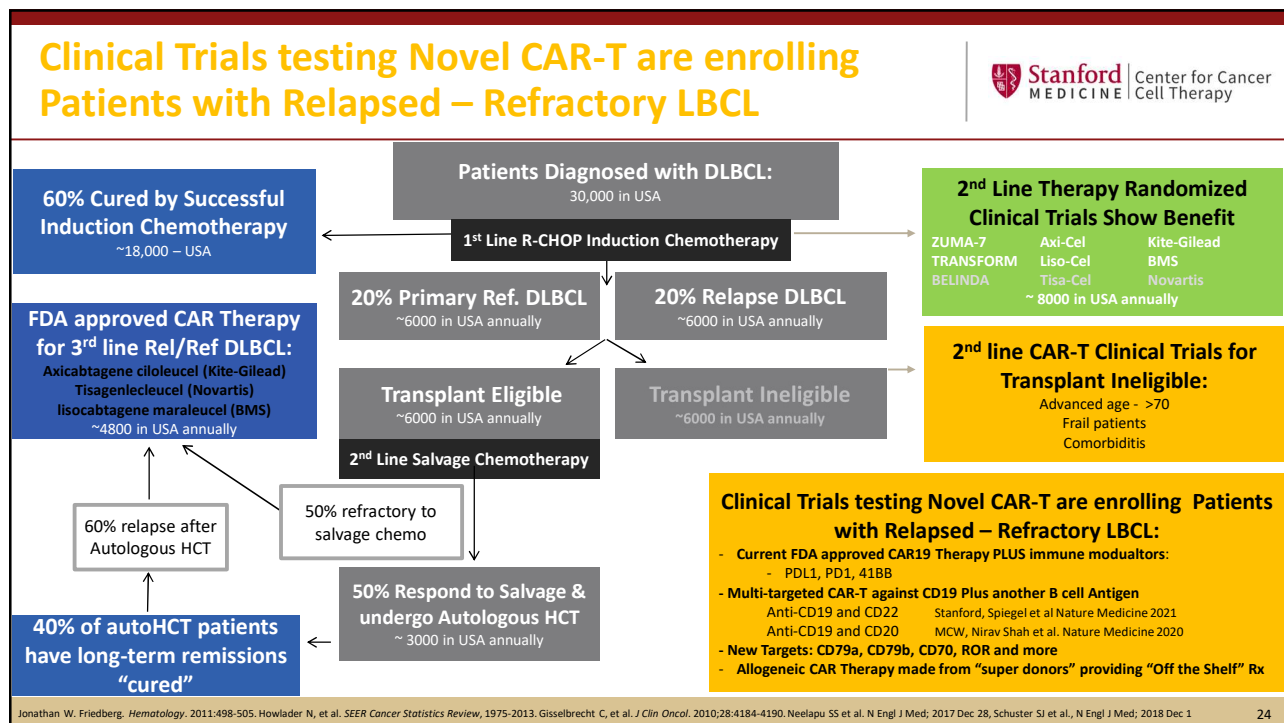
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## Zuma-7 (axi-cel) and Transform (liso-cel) RCT for DLBCL Patients with Induction Failure or Relapse within 1 year



- First-Line Therapy Chemotherapy-Resistant DLBCL and relapsed DLBCL within one year have poor Prognosis

### 2<sup>nd</sup> line RCT Eligibility

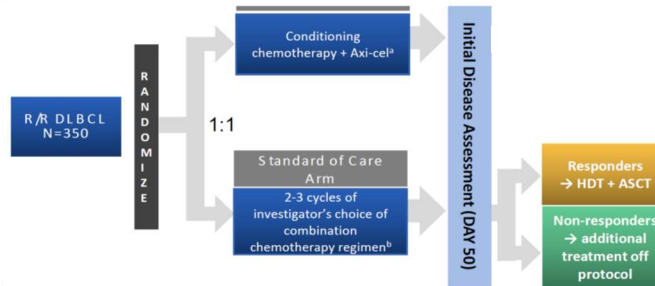
DLBCL or TFL with:

- Stable disease after 4 cycles of R-CHOP
- Progressive disease after 6 cycles of R-CHOP
- Relapse within 1 year of induction

**Table 3. Response Rate and Survival According to Prognostic Factors**

Factor	Total No. of Patients	Response CR/CRu/PR			3-Year Event-Free Survival		3-Year Overall Survival	
		No. of Patients	%	P	%	P	%	P
All patients	398	246	63		31		50	
CR/CRu		148	38		51		70	
Prior rituximab								
No	147	122	83	< .001	47	< .001	66	< .01
Yes	244	124	51		21		40	
Relapse > 12 months	180	140	88	< .001	46	< .001	64	
Refractory, < 12 months	228	106	46		20		39	< .001
saalPI								
< 2	224	160	71	< .001	40		62	
> 1	146	76	52		18	< .001	32	< .001

Abbreviations: CR, complete response; CRu, unconfirmed complete response; PR, partial response; saalPI, secondary age-adjusted International Prognostic Index.



Gisselbrecht et. al, JCO 2010 2010 Sep 20;28(27):4184-90

## Event Free Survival in 2<sup>nd</sup> line Randomized trials



PRIMARY OUTCOME	ZUMA-7 (axi-cel)	TRANSFORM (liso-cel)	BELINDA (tisa-cel)
EFS RATE, %			
CAR T Arm	40.5%	44%	-
Control Arm (SOC)	16.3%	23.7%	-
DURATION EFS, MO			
CAR T Arm	8.3	10.1	3
Control Arm (SOC)	2	2.3	3
CR, %			
CAR T Arm	65%	66%	28%
Control Arm (SOC)	32%	39%	28%

Fred Locke, David Miklos ... NEJM 2021.

Manali Kamdar ... ASH 2021 Abstract #91.

Michael Bishop... NEJM 2021.

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Fred Locke, David Miklos ... NEJM 2021.

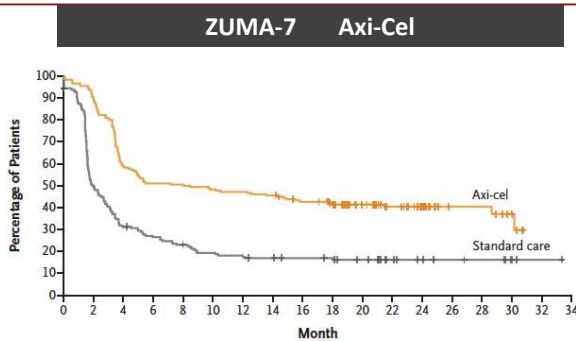
Manali Kamdar ... ASH 2021 Abstract #91.

Michael Bishop... NEJM 2021.

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## Event Free Survival in 2<sup>nd</sup> line Randomized trials

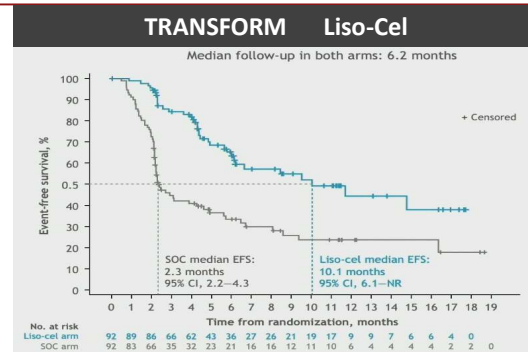


Median EFS= 8.3 months

2-year EFS= 41%

Grade 3/4 CRS= 6%

Grade 3/4 ICANS= 22%



Median EFS= 10.1 months

1-year EFS= 44%

Grade 3/4 CRS= 1%

Grade 3/4 ICANS= 4%

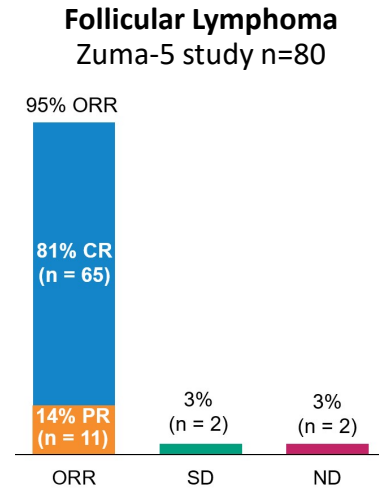
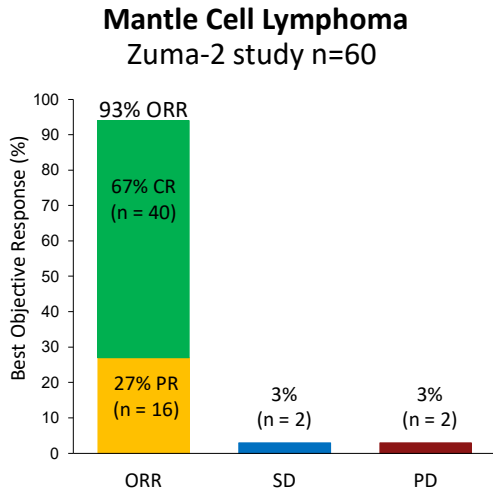
Fred Locke, David Miklos ... NEJM 2021.

Manali Kamdar ... ASH 2021 Abstract #91.

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# CAR19 is FDA approved for Rel/ref Mantle Cell Lymphoma and Follicular Lymphoma



**Brexucabtagene Autoleucel is FDA approved for Relapsed MCL**

**Axicabtagene ciloleucel is FDA approved for Rel/ref FL**

CR, complete response; IRRRC, Independent Radiology Review Committee; ORR, objective response rate; OS, overall survival; PD, progressive disease; PFS, progression free survival; PR, partial response; SD, stable disease.

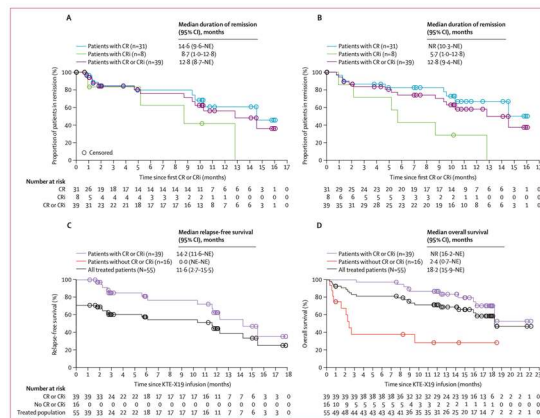
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# CAR-T Cell Therapy in Adult B cell Acute Lymphoblastic Leukemia: What's New?



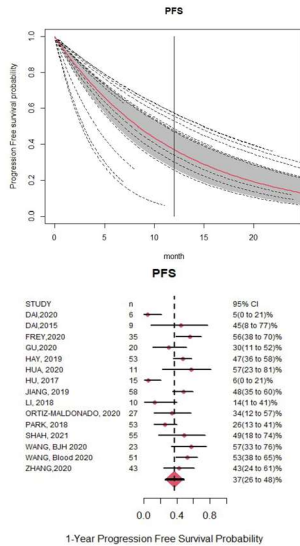
- **Brexucabtagene Autoleucel (Tecartus) is first FDA approved CAR-T for adults with r/r B-ALL**
- **Phase II Zuma 3 (N=55):**
  - 71% CR/Cri; 97% of whom were MRD-neg
  - Median DOR: 12.8 months
  - Median LFS: 11.6 months
  - 13% Grade 3-4 CRS
  - 25% Grade 3-4 ICANS

**KTE-X19 for relapsed or refractory adult B-cell acute lymphoblastic leukaemia: phase 2 results of the single-arm, open-label, multicentre ZUMA-3 study**



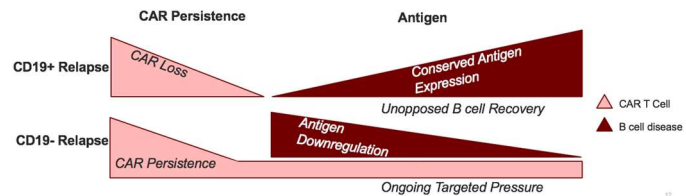
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## CAR-T in Adult B-ALL: Relapse is Common



Two common patterns of relapse post-CAR:

- Relapse with Conserved Antigen expression in context of **CAR Loss**
- Relapse with **Antigen Downregulation/Loss** in context of CAR Persistence



Grover et al. *Blood Adv.* 2021 Oct 5: bloodadvances.2020003482.

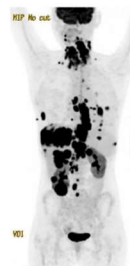
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## CD19 Antigen Loss is a Common Cause of treatment failure after CAR19 Therapy

- 5/15 (28%) ZUMA-1 patients w/ disease progression after therapy were CD19 negative<sup>#</sup>
- 34 patients treated with commercial Axi-Cel at Stanford\*
  - 16 developed disease progression
  - 12 were biopsied at time of progression
  - Six (50%) showed CD19 loss

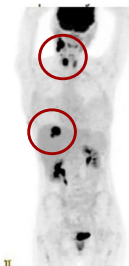
PRE-INFUSION



DAY 28

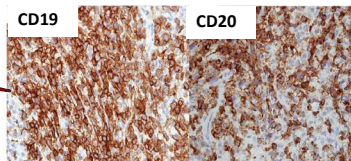


DAY 60

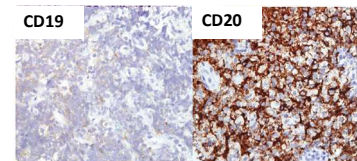


Lymph node analysis pre-CAR and at Day 60 highlighted loss of CD19 but preservation of CD20 expression

PRE-THERAPY



DAY 60 RELAPSE



<sup>#</sup>Placks V, ... Miklos D, Bot A, Neelapu S; *Blood* 2021

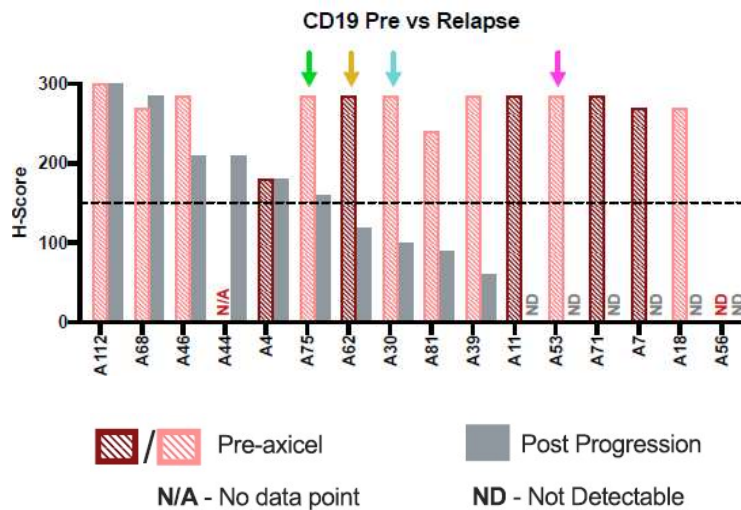
\*Jean Oak et. al, ASH2018 Abstract #4656

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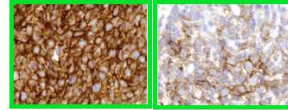
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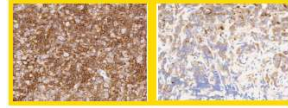
## CD19 loss or down-regulation occurs after axi-cel



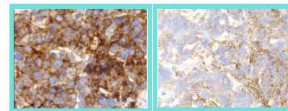
A75 CD19 Downregulation



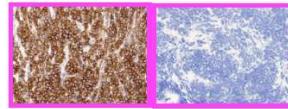
A62 CD19 Downregulation



A30 CD19 Downregulation



A53 CD19 Loss

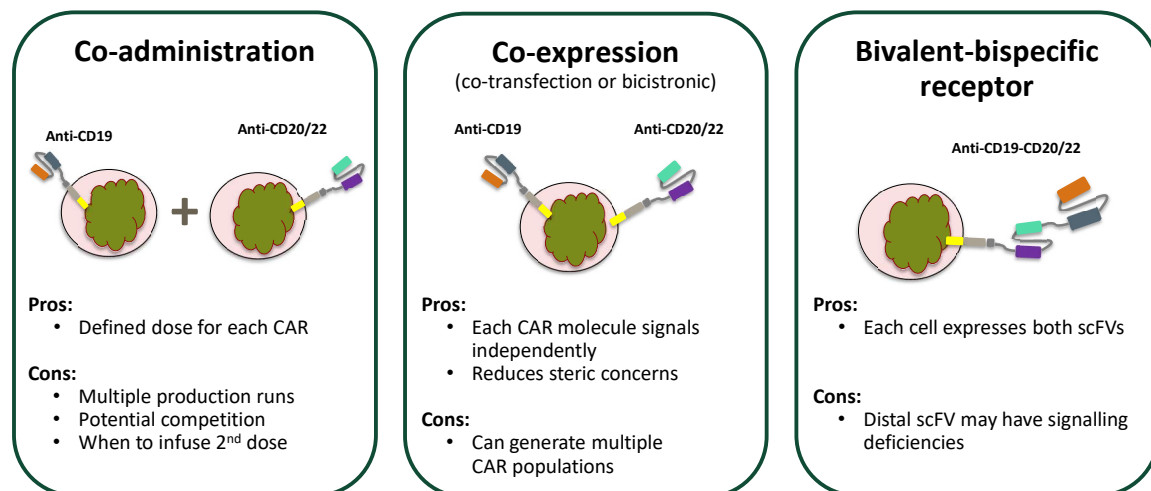


Spiegel, Patel, Muffly...Feldman, Mackall, Miklos. Nature Medicine 2021

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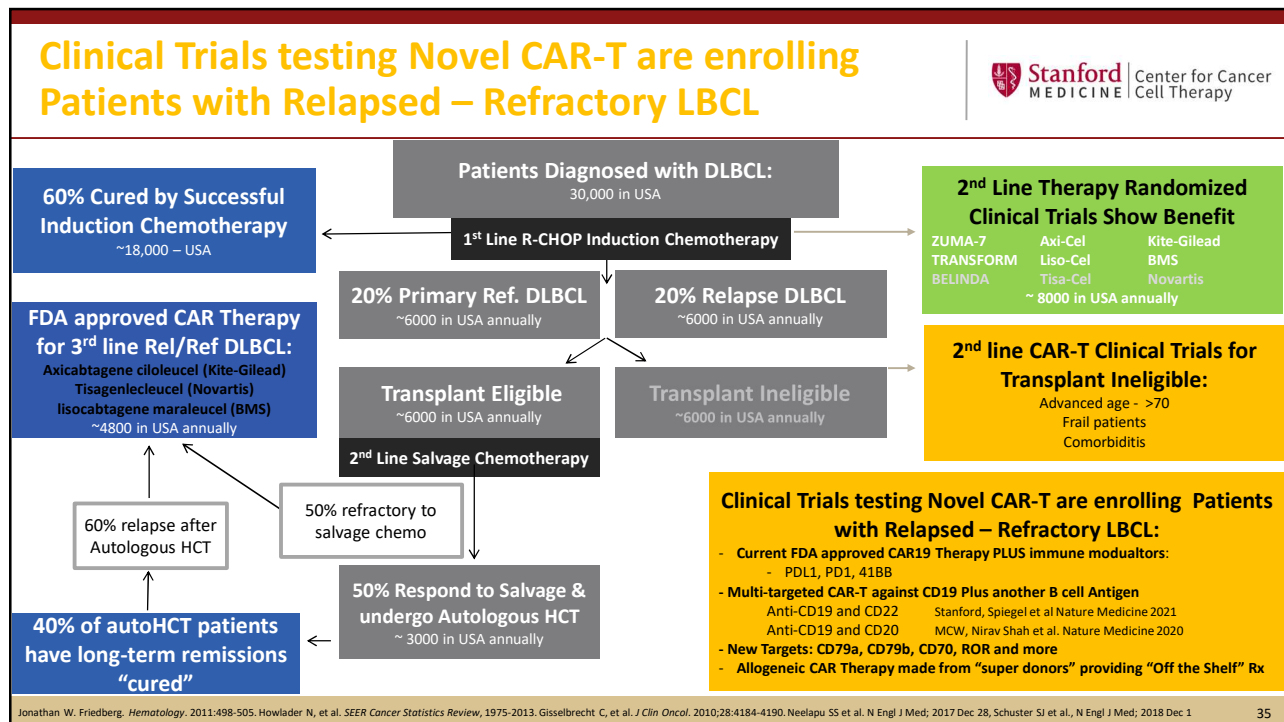
## Simultaneous targeting of two tumor antigens may overcome antigen loss and improve efficacy



Cronk RJ, et al. *Cancers* 2020; 12:2523.

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## 2022 Lymphoma CAR-T Summary:

- **Patients with rel/ref DLBCL are now eligible for three FDA approved CAR-T products:**
  - Axicabtagene ciloleucel      **Axi-Cel**      Kite-Gilead
  - Tisagenlecleucel              **Tisa-Cel**      Novartis
  - Lisocabtagene maraleucel    **Liso-cel**      BMS
- **Extending CAR-19 therapy to patients with additional CD19 malignancies:**
  - Mantle Cell Lymphoma      Brexucabtagene Autoleucel
  - Follicular Lymphoma        Axicabtagene ciloleucel
- **Brexucabtagene Autoleucel is first FDA approved CAR-T for adults with r/r B-ALL**
- **Anticipate FDA approval of Axi-Cel and Liso-cel for 2<sup>nd</sup> line LBCL therapy**
- **CAR19 Weakness or Mechanism of Failure:**
  - Leukemia and Lymphoma may down regulate CD19 expression (CD19 antigen loss)
  - **Multi-Targeted CAR-T Therapy may overcome CD19 antigen loss**

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**Stanford**  
MEDICINE

# CAR-T Cell Therapy in Multiple Myeloma

Surbhi Sidana, MD  
Stanford University

Feb 15, 2022

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## Disclosures

Consulting : Magenta Therapeutics, BMS, Janssen, Sanofi, Oncopeptides

Contracted Research: Magenta Therapeutics, BMS, Allogene, Janssen

I will be discussing non-FDA approved indications during my presentation



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## Objectives

1. Review BCMA CAR-T: FDA approved and advanced clinical development (ide-cel, cilta-cel)
2. Other BCMA targeted CAR-T therapies in US
3. Non-BCMA targets in development

## CAR-T Therapy in MM

- Abecma (Ide-cel) approved for late line therapy (after 4 treatment lines)
- Other CAR-T therapies under investigation for late line and earlier treatment

## Targets for CAR-T in MM

### BCMA (several constructs)

- Ide-cel
- Cilta-cel
- Others

### In early development

- CS1 (SLAMF7)
- CD138
- CD38
- GPRC5D
- Others

Sidana and Shah. *Blood Adv.* 2019;3(21):3473-348

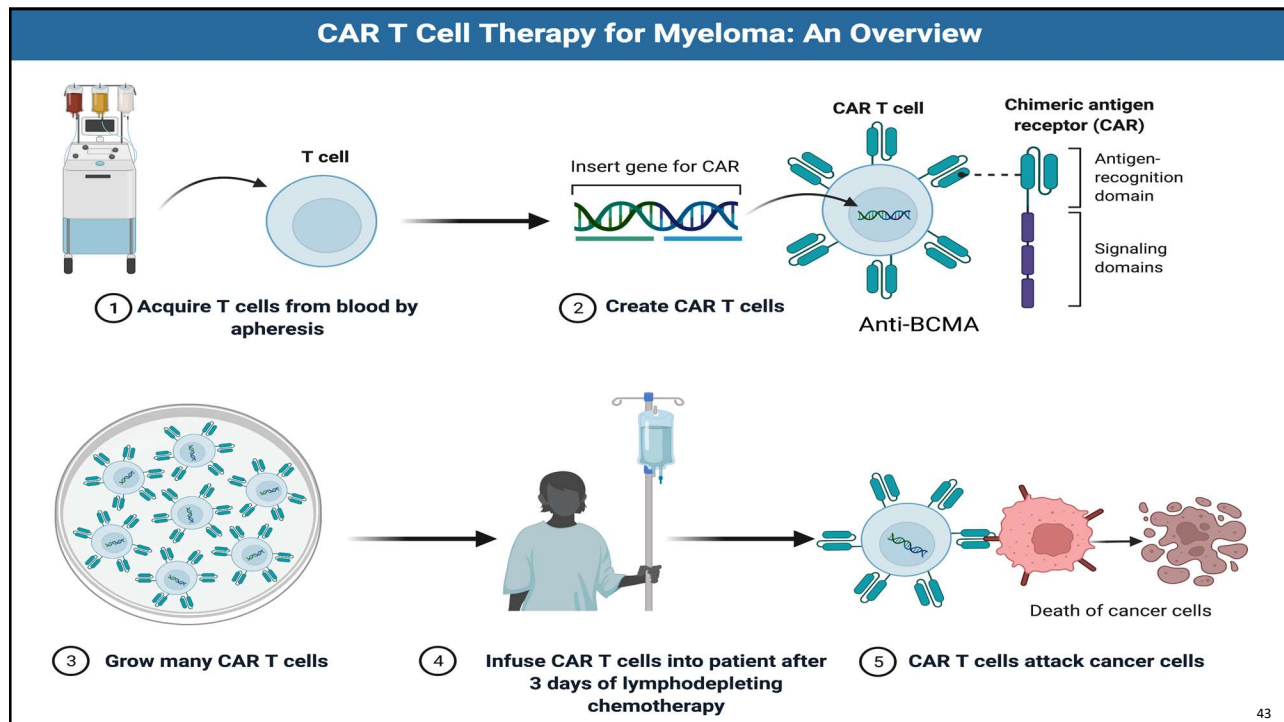
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## BCMA (B cell maturation antigen)

- On normal and cancerous plasma cells
- Also on normal memory B-cells (immune system cells)
- Intensity of expression can vary with time
- Soluble BCMA shed in blood after removal by an enzyme called  $\gamma$ -secretase

Carpenter et al. *Clin Cancer Res.* 2013;19(8):2048-2060

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## Outcomes and recent FDA approved drugs in triple class refractory MM

Triple class refractory = Heavily pre-treated myeloma, including progression on

- Proteasome inhibitor (bortezomib, carfilzomib)
- Immunomodulatory drug (lenalidomide, pomalidomide)
- Anti-CD38 antibody (daratumumab)

	Response rate
Selinexor <sup>1</sup>	26%
Belantamab mafodotin <sup>2,3</sup>	31%
Triple Class Refractory <sup>4</sup>	31%

1. Chari et al. *NEJM* 2019;381(8):727-738; 2. Lonial et al. *Lancet Oncol.* 2020;21(2):207-221; 3. Lonial et al. *ASCO* 2020 abstract 436, *JCO* 2020;38(15\_suppl):8536. 4. Gandhi et al. *Leukemia.* 2019;33(9):2266-2275

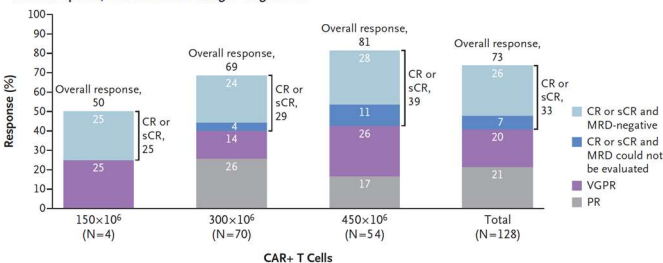
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# Idecabtagene Vicleucel (Ide-cel): FDA Approved March 2021

Baseline Characteristics	N=128
Median Prior Treatments	6
Triple Class Refractory	84%

**Overall response rate: 73%**  
**CR rate: 33%**  
**MRD negativity: 26%**

Tumor Response, Overall and According to Target Dose



Munshi et al. NEJM 2021;384(8):705-716

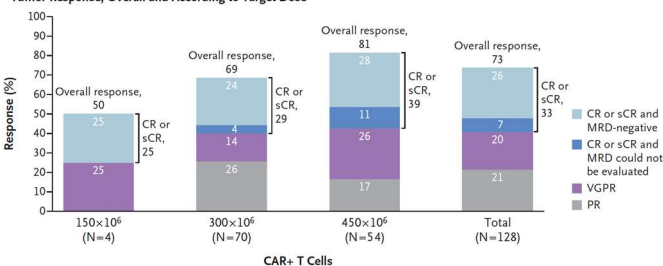


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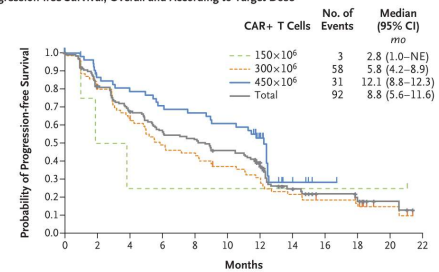
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Tumor Response, Overall and According to Target Dose



Munshi et al. NEJM 2021;384(8):705-716

Progression-free Survival, Overall and According to Target Dose



No. at Risk	4	2	1	1	1	1	1	1	1	1	0
150x10 <sup>6</sup>	4	2	1	1	1	1	1	1	1	1	0
300x10 <sup>6</sup>	70	56	42	33	29	24	17	14	11	7	3
450x10 <sup>6</sup>	54	44	40	36	34	31	17	4	1	0	0
Total	128	102	83	70	64	56	35	19	13	8	4

Survival Outcomes	
Median progression free survival	8.8 months
Median PFS in CR	20.2 months
Median OS	19.4 months



## Ide-cel: Safety

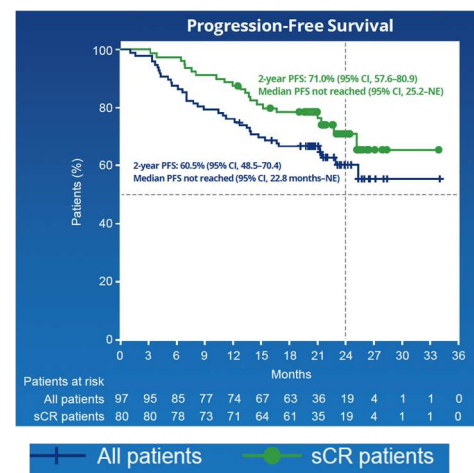
Adverse Events	
Cytokine release syndrome (all; severe)	84% (5%)
Neurotoxicity/ICANS (all; severe)	18% (3%)
Infections (all; severe)	69% (22%)
Severe low neutrophil count > 1 month	41%
Severe low platelet count > 1 month	48%

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## Ciltacabtagene Autoleucel (Cilta-cel)

Baseline Features	
Patients	97
Median prior treatments	6
Triple Class Refractory	88%

Efficacy	
<b>Overall response rate</b>	<b>98%</b>
sCR rate	83%
MRD negative rate ( $10^{-5}$ )	58% <sup>2</sup>
PFS	2 year: 61%, median NR
OS	2 year: 74%, median NR



- Martin et al. ASH 2021 *Blood* (2021) 138 (Supplement 1): 549.
- Usmani et al ASCO 2021. JCO 2021;39(15\_suppl):8005.

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## Cilta-Cel: Safety

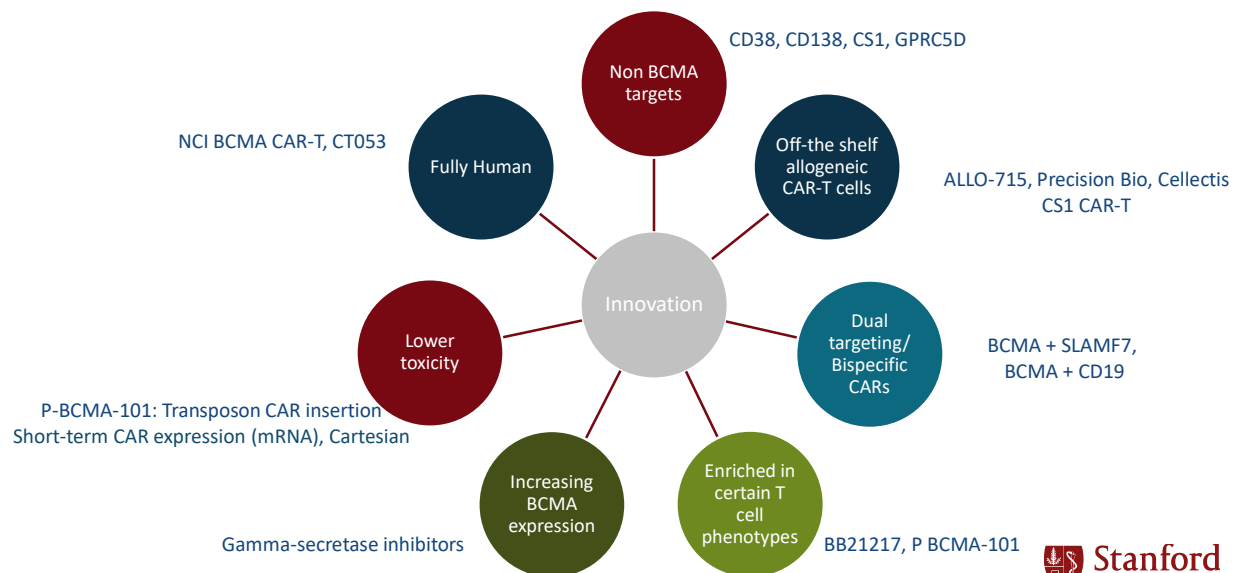
Adverse Events	
Cytokine release syndrome (all; severe)	95% (5%)
Neurotoxicity/ICANS (all; severe)	17% (2%)
Infections (all; severe)	58% (20%)
Severe low neutrophil counts > 1 month*	10%
Severe low platelet count > 1 month*	25%
<b>Delayed neurotoxicity (all; severe)</b>	<b>12% (9%)</b>

\* Long term low counts: > 1 month from onset of cytopenias

1. Martin et al. ASH 2021; 2. Usmani et al ASCO 2021 abstract 8005; 3. Madduri et al ASH 2020 abstract 177

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## Innovation: Investigational Constructs



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## Select BCMA Constructs in Early Clinical Development in US: Preliminary Data

69%	Uniqueness	Phase	N	Overall response rate
CT053/ CARSGen <sup>1</sup>	Fully Human	1b	20	94%
CART-ddBCMA/ Arcellx <sup>2</sup>	Computational designed synthetic binding domain, non-scFv	1	12	100%
BB21217/ Celgene <sup>3</sup>	PI3Ki co-culture, enrich memory phenotype	1a/b	72	69%
P-BCMA/ Posseida <sup>4</sup>	Transposon based, less AE, enriched for stem cell memory phenotype	1	53	44-75%
ALLO-715/ Allogene <sup>5</sup>	Off the shelf, additional LD with antiCD52	1	43	71% @ 320m with FCA
BCMA+GSI/ Fred Hutch & Juno <sup>6</sup>	FCARH143 BCMA CAR+ Gamma secretase inhibition JSMD-194	1	18	89%

1. Kumar et al. ASH 2020; 2. Friggault et al. ASCO 2021; 3. Raje et al. ASH 2021; 4. Costello et al. ASH 2020; 5. Mailankody ASH 2021; 6. Cowan et al. ASH 2021.

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## Use of BCMA CAR-T in Earlier Lines

### Being investigated in clinical trials

- Early Relapse, randomized trials: CARTITUDE-4, KarMMa-3
- Earlier lines, including front line (BMT-CTN 1902, KarMMa-4, CARTITUDE-2, CARTITUDE-5)

### **Benefits:**

- Better T cell health → potential for higher efficacy and duration of response
- Earlier treatment free interval

### **Concerns:**

- Toxicity (low blood counts and infections; longer term neurotoxicity)

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## Non BCMA CAR-T in Clinical Development in US

Target
CD38
CD138
BCMA+CD19
GPRC5D (MCRH109)
CS1/SLAMF7
CS1 Allogeneic (MELANI-01)

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## GPRC5D targeted CAR-T cells: First Phase 1 Human Trial

- GPRC5D target is present on plasma cells and some normal cells (hair follicles)
- 17 patients treated on phase 1 trial
- Median 6 prior treatment lines
- Prior BCMA treatment: 59%
- Prior CAR-T: 47%

Efficacy	N=16
<b>Overall response rate</b>	<b>69%</b>
ORR, Prior BCMA	80%
ORR, Prior CAR-T	75%

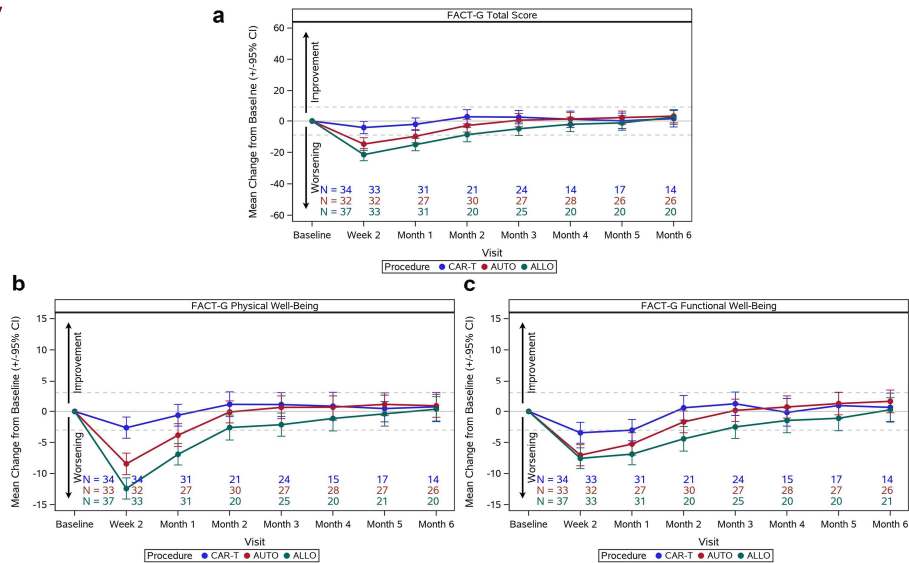
Adverse Events	N=17
CRS (all; severe)	93% (7%)
ICANS (all; severe)	7% (7%)
Infections	19%
Mild nail changes	56%
Mild rash	19%
Mild taste changes	6%

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# Survivorship and QoL after CAR-T Therapy



## Patient Reported Outcomes: Quality of Life After CAR-T Cell Therapy



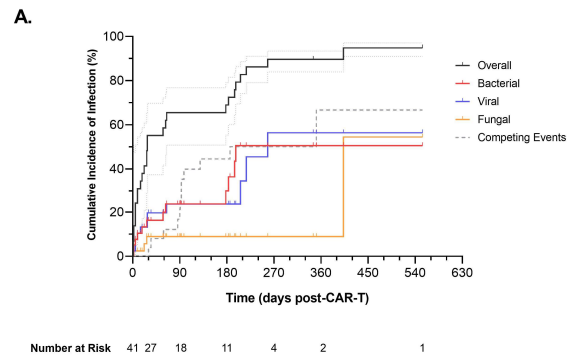
## Post CAR-T Cytopenias after Month 1

Severe low blood counts: Very common (50-70%), improve with time

- ANC < 1000
- Platelets < 50,000
- Hemoglobin < 8 g/dL

**Treatment:** Growth factor medications, transfusions, rarely stem cell boost

**Infections:** Also common, long-term antimicrobial prophylaxis is necessary



1. Baird J et al, Blood Advances 2021. 2. Jain T et al, Blood Advances 2020

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## Summary

- CAR-T therapy: Unprecedented response rates in heavily treated MM.
- Cytokine release syndrome and neurotoxicity are manageable.
- Low blood counts and infections are common, can be long term in some
- Delayed neurotoxicity can occur. Further study is need.
- Non-BCMA targets have shown promising early activity.
- Access to CAR-T remains an issue
- Understand & address quality of life and other late side effects with these newer treatments.

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## ASK A QUESTION

**BLOOD CANCERS: MANAGING SIDE EFFECTS**

### 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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## LLS EDUCATION & SUPPORT RESOURCES



### HOW TO CONTACT US:

To contact an **Information Specialist** about disease, treatment and support information, resources and clinical trials:

**Call: (800) 955-4572**

Monday to Friday, 9 a.m. to 9 p.m. ET

**Chat live online: [www.LLS.org/InformationSpecialists](http://www.LLS.org/InformationSpecialists)**

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

**Email: [www.LLS.org/ContactUs](http://www.LLS.org/ContactUs)**

All email messages are answered within one business day.

### CLINICAL TRIAL SUPPORT CENTER

Work one-on-one with an LLS Clinical Trial Nurse Navigator who will help you find clinical trials and personally assist you throughout the entire clinical-trial process.

**[www.LLS.org/Navigation](http://www.LLS.org/Navigation)**



**NUTRITION CONSULTATIONS**  
Our registered dietitian has expertise in oncology nutrition and provides free one-on-one consultations by phone or email.  
**[www.LLS.org/Consult](http://www.LLS.org/Consult)**



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## LLS EDUCATION & SUPPORT RESOURCES



### 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](http://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](http://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](http://www.TheBloodline.org).



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## LLS EDUCATION & SUPPORT RESOURCES

**LEUKEMIA & LYMPHOMA SOCIETY**  
877.557.2672

### 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](http://www.LLS.org/PatientAid)

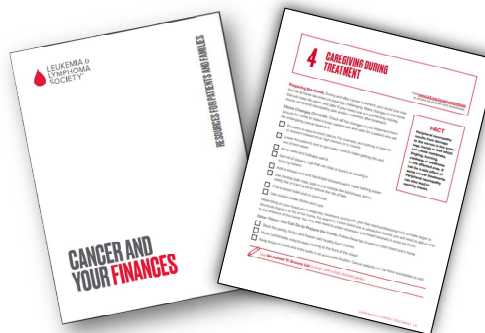
The **Urgent Need** Program, established in partnership with Moppie's Love, helps pediatric and young adult blood cancer patients, or adult blood cancer patients who are enrolled in clinical trials, with acute financial need. The program provides a \$500 grant to assist with non-medical expenses, including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



To order free materials: [www.LLS.org/Booklets](http://www.LLS.org/Booklets)



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# THANK YOU

We have one goal: A world without blood cancers



LEUKEMIA &  
LYMPHOMA  
SOCIETY®

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