

Multidisciplinary Approaches to Cancer Symposium

Chronic Lymphocytic Leukemia: Time Limited Therapy for Treatment Naïve Disease

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Disclosures

 Consultant for Guardant Health & Sobi; Grant Research Support from AstraZeneca, BeOne Medicines, Century Therapeutics & Incyte. But relationship has ended with all of them.

This presentation and/or comments will be free of any bias toward or promotion of the above referenced companies or their product(s) and/or other business interests.

This presentation and/or comments will provide a balanced, non-promotional, and evidence-based approach to all diagnostic, therapeutic and/or research related content.

This presentation has been peer-reviewed and no conflicts were noted.

Cultural Linguistic Competency (CLC) & Implicit Bias (IB)

STATE LAW:

The California legislature has passed <u>Assembly Bill (AB) 1195</u>, which states that as of July 1, 2006, all Category 1 CME activities that relate to patient care must include a cultural diversity/linguistics component. It has also passed <u>AB 241</u>, which states that as of January 1, 2022, all continuing education courses for a physician and surgeon **must** contain curriculum that includes specified instruction in the understanding of implicit bias in medical treatment.

The cultural and linguistic competency (CLC) and implicit bias (IB) definitions reiterate how patients' diverse backgrounds may impact their access to care.

EXEMPTION:

Business and Professions Code 2190.1 exempts activities which are dedicated solely to research or other issues that do not contain a direct patient care component.

The following CLC & IB components will be addressed in this presentation:

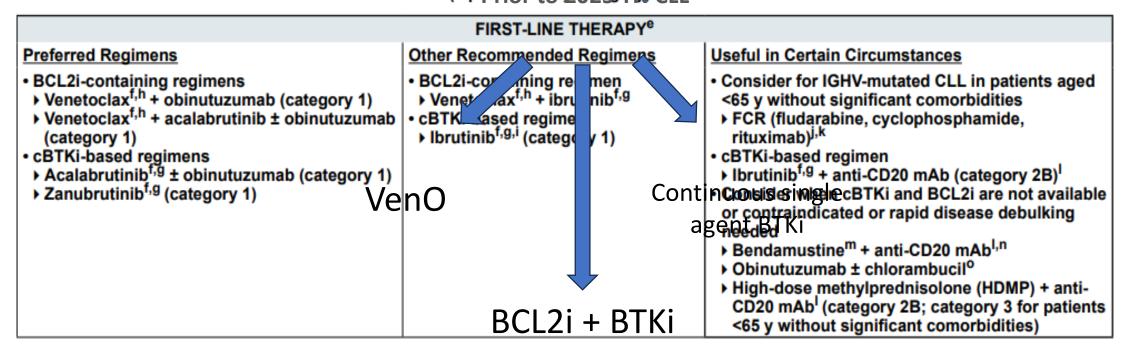
- Cultural diversity in the epidemiology and treatment of patients with CLL.
- Patient population at need who may experience disparities in care and how we may be able to offer more novel time limited treatment approaches in managing their CLL.

Presentation Objectives

- Review current treatment strategies for TN CLL
- Discuss emerging therapies and clinical trial data
- Address cultural diversity and disparities in care
- Evaluate MRD and survival outcomes
- Consider adverse events and treatment tolerability

TN CLL 2025

SUGGESTED TREATMENT REGIMENS^{a,b,c,d} CLL/SLL Without del(17p)/TP53 Mutation (alphabetical-by இத்துரைய்) CLL



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Fixed Duration VenO - CLL14 Trial

177

130

185

Ven-Obi 216

Clb-Obi 216

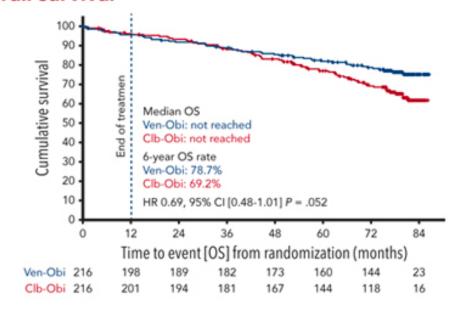
160

101

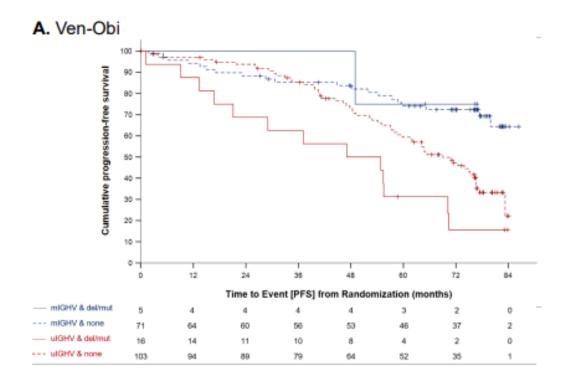
139

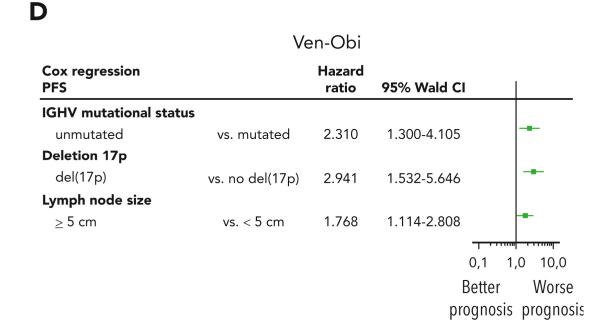
112

Overall survival



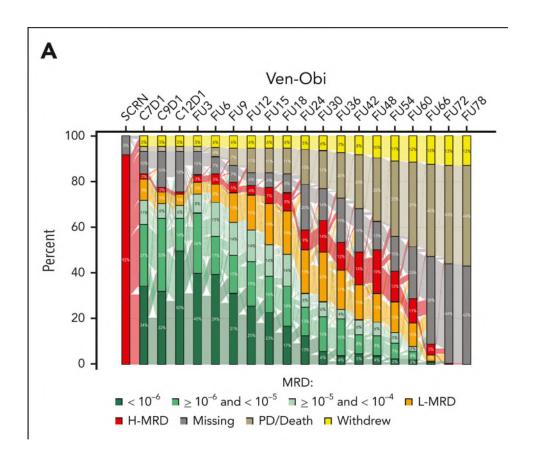
Subgroup analysis of VenO

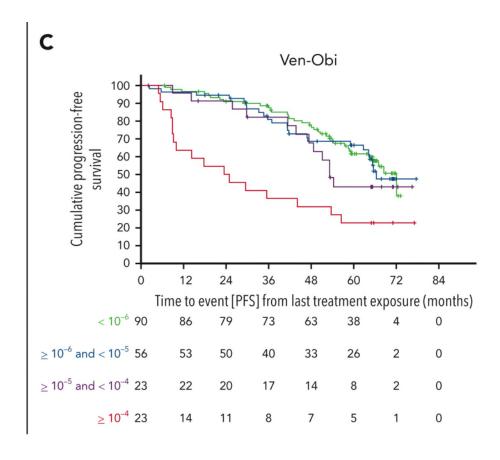




Blood (2024) 144 (18): 1924-1935.

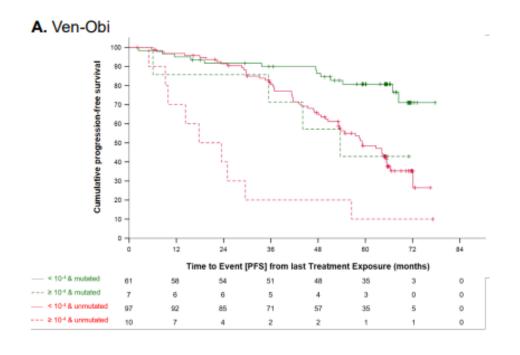
MRD after Treatment with VenO

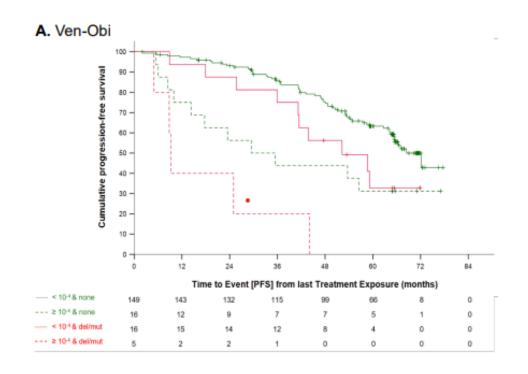




Nat Commun 14, 2147 (2023)

Survival by MRD and Risk Profile



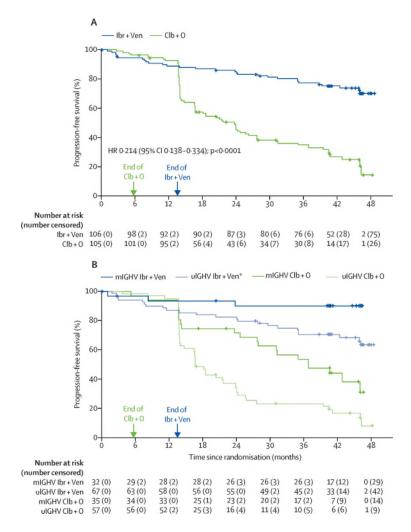


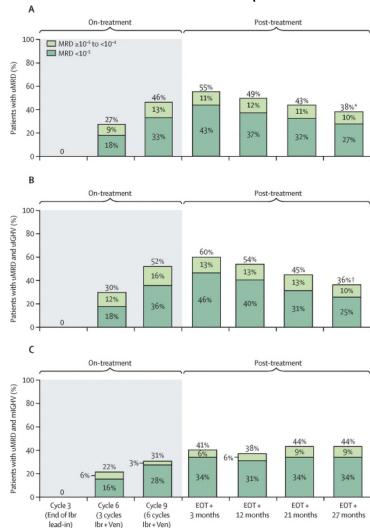
Blood (2024) 144 (18): 1924-1935.

Common G3/4 AEs with VenO

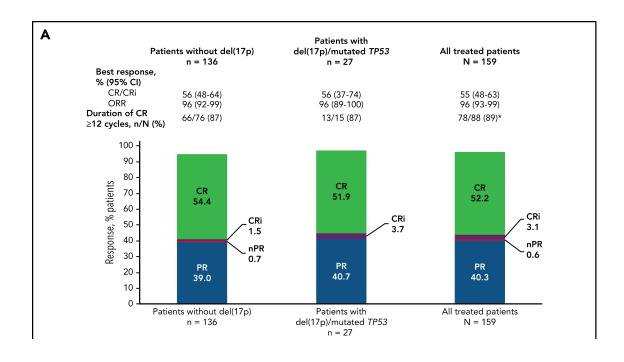
	Clb-Obi (n=214)	Ven-Obi (n=212)
Total number of patients with at least one Grade 3,4 adverse event	163 (76.2%)	176 (83.0%)
NEUTROPENIA	102 (47.7%)	112 (52.8%)
THROMBOCYTOPENIA	32 (15.0%)	30 (14.2%)
INFUSION RELATED REACTION	22 (10.3%)	19 (9.0%)
ANAEMIA	14 (6.5%)	18 (8.5%)
PNEUMONIA	9 (4.2%)	14 (6.6%)
FEBRILE NEUTROPENIA	8 (3.7%)	11 (5.2%)

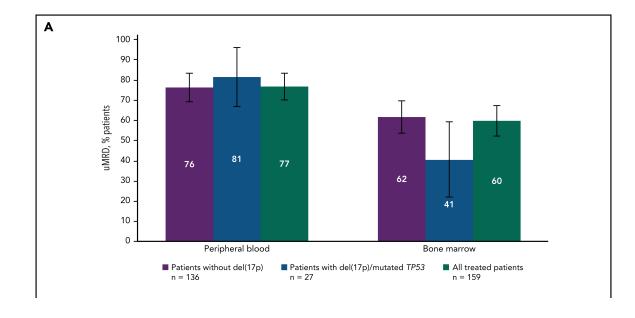
BTKi + BCL2i Combinations: I + V (GLOW)





Captivate





Captivate – Fixed Duration Cohort I + V

FD cohort	With high-risk genomic feature ^a		Without high-risk genomic feature ^a			
	n	5-y PFS rate, % (95% CI)	n	5-y PFS rate, % (95% CI)		
del(17p)/mutated TP53	27	41 (21–59)	129	73 (64–80)		
CKb	31	57 (37–72)	102	72 (61–80)		
Unmutated IGHV ^c	40	68 (50–80)	44	85 (69–93)		
del(11q) ^c	11	64 (30–85)	74	79 (67–87)		

JCO. 2024; 42, 7009-7009.

AE with I+V

AEs	All treated patients (n = 159), n (%)					
	Any grade	Grade 3/4				
Most common AEs __ *						
Diarrhea	99 (62)	5 (3)				
Nausea	68 (43)	2 (1)				
Neutropenia	66 (42)	52 (33)				
Arthralgia	53 (33)	2 (1)				
Hypertension	25 (16)	9 (6)				
Neutrophil count decreased	16 (10)	8 (5)				
Other AEs of clinical interest	t					
Atrial fibrillation	7 (4)	2 (1)				
Major hemorrhage $_{-}^{\dagger}$	3 (2)	2 (1)				
Laboratory safety paramete	rs					
Hematology						
Neutrophils decreased	115 (72)	60 (38)				
Platelets decreased	94 (59)	20 (13)				

Blood. 2022; 139 (22): 3278-3289.

Amplify

TN CLL (N=867)

Key inclusion criteria

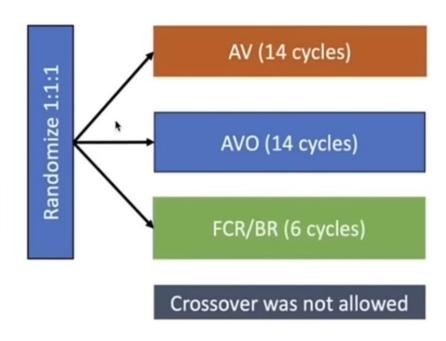
- Age 218 years
- TN CLL requiring treatment per iwCLL 2018
- Without del(17p) or TP53
- ECOG PS≤2

Key exclusion criteria

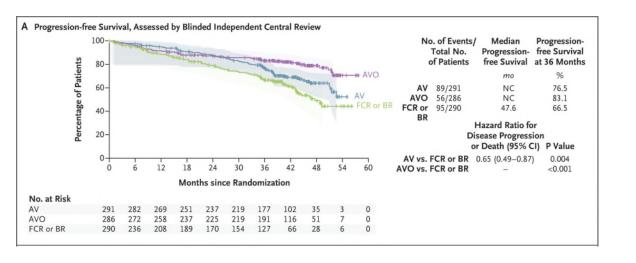
- CIRS-Geriatric > 6
- Significant cardiovascular disease

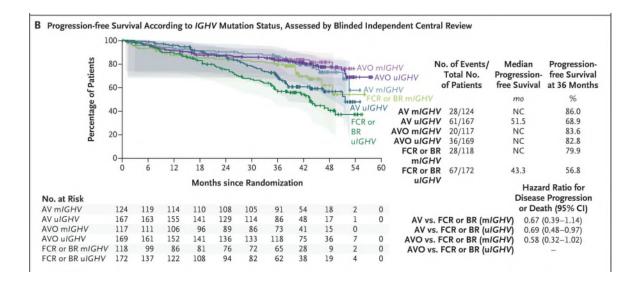
Stratification

- Age (>65 vs ≤65 years)
- IGHV mutational status
- Rai stage (≥3 vs <3)
- Geographic region

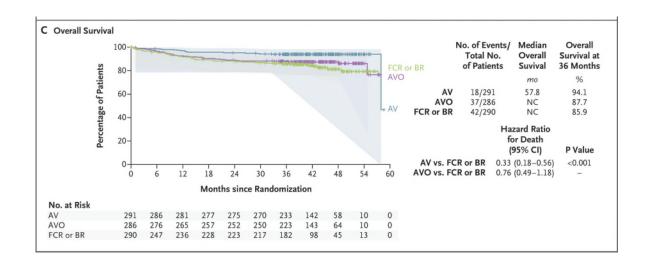


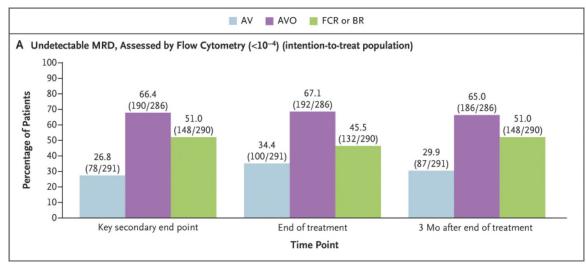
Amplify





OS and MRD

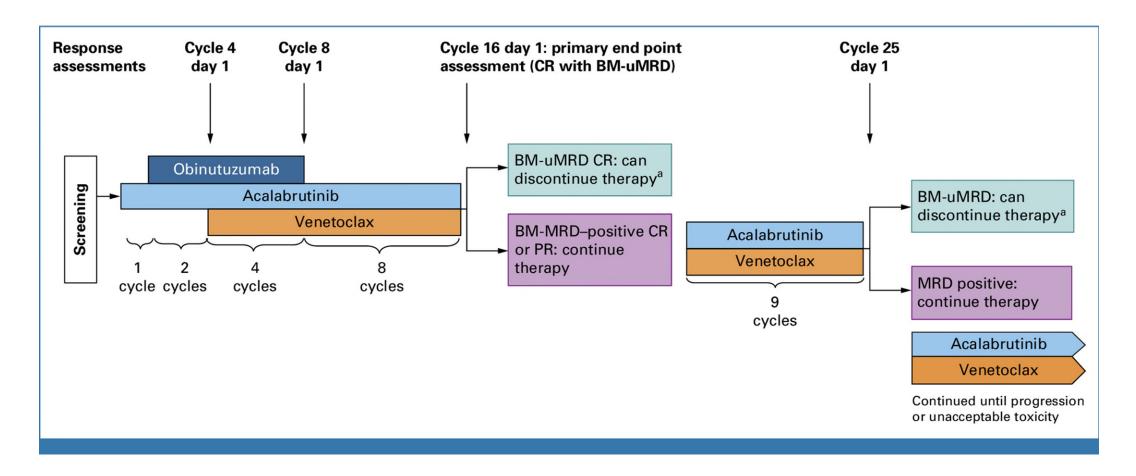




Adverse Events

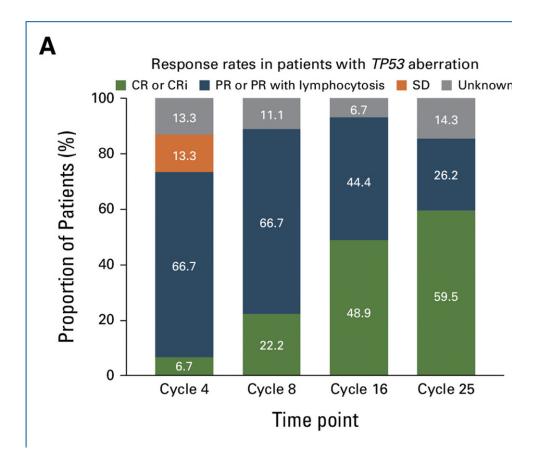
Adverse Events	Acalabrutinib-Venetoclax- Acalabrutinib-Venetoclax (N = 291) Acalabrutinib-Venetoclax Obinutuzumab (N = 284)		zumab	Chemoimmunotherapy (N = 259)		
	Any Grade	Grade ≥3	Any Grade	Grade ≥3	Any Grade	Grade ≥3
			number of patie	ents (percent)		
Events						
Any adverse event	270 (92.8)	156 (53.6)	269 (94.7)	197 (69.4)	236 (91.1)	157 (60.6)
Any serious adverse event	72 (24.7)		109 (38.4)		71 (27.4)	
Serious adverse event leading to death						
Any	10 (3.4)		17 (6.0)		9 (3.5)	
Due to Covid-19	8 (2.7)		15 (5.3)		7 (2.7)	
Adverse event leading to treatment discontinuation	23 (7.9)		57 (20.1)		28 (10.8)	

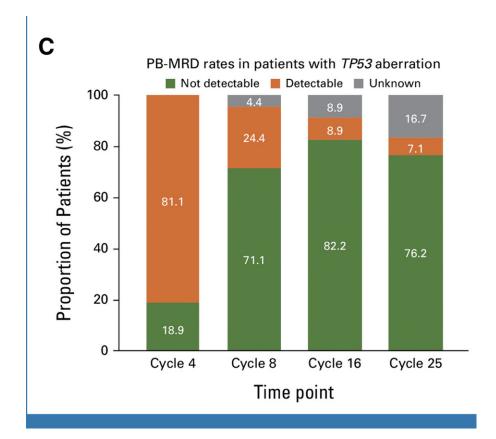
AVO in High-Risk CLL



JCO. 2025; 43:788-799.

Outcomes of AVO in High-Risk CLL

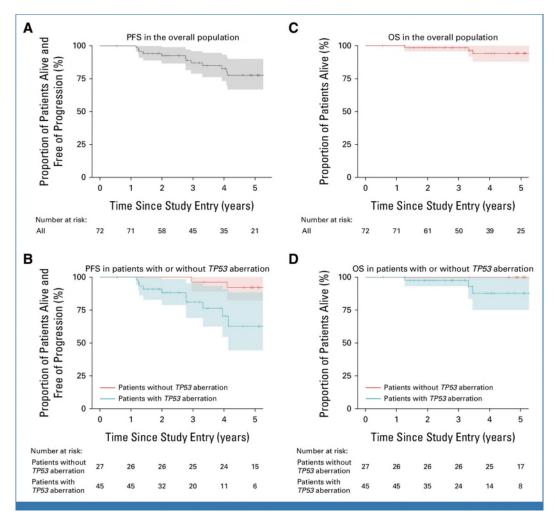




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J Clin Oncol 43:788-799

Survival after AVO in High-Risk CLL



Treatment Patterns in the US – Impact on Cultural Diversity and Disparities of Care

Table.	Treatment	Patterns b	y I	Line of	Therapy	of:	Patients	with	CLL/SLL	

Lines of therapy	First line (Based on <u>1L only</u>)		
All patients			
Number of patients, n	5,226		
Observation period, years, mean ± SD [median]	2.8 ± 1.9 [2]		
Treatment with antineoplastic therapies during LOT, n (%)			
CLL therapy	4,132 (79.1)		
CIT	1,199 (22.9)		
Chemotherapy	410 (7.8)		
Targeted therapy	2,516 (48.1)		
Ibrutinib single agent	970 (18.6)		
Rituximab single agent	902 (17.3)		
Acalabrutinib single agent	176 (3.4)		
Venetoclax single agent or combination	177 (3.4)		
Non-CLL therapy	1,094 (20.9)		
Stratified analyses - Patients with a first CLL diagnosis 2014-2017			
Number of patients, n	2,585		
Observation period, years, mean ± SD [median]	3.9 ± 2.1 [4]		
Treatment with antineoplastic therapies during LOT, n (%)			
CLL therapy	2,026 (78.4)		
CIT	778 (30.1)		
Chemotherapy	162 (6.3)		
Targeted therapy	1,082 (41.9)		
Rituximab single agent	476 (18.4)		
Ibrutinib single agent	439 (17.0)		
Acalabrutinib single agent	25 (1.0)		
Venetoclax single agent or combination	23 (0.9)		
Non-CLL therapy	559 (21.6)		
Stratified analyses - Patients with a first CLL diagnosis 2018–2021			
Number of patients, n	2,641		
Observation period, years, mean ± SD [median]	1.8 ± 1.1 [2]		
Treatment with antineoplastic therapies during LOT, n (%)			
CLL therapy	2,106 (79.7)		
CIT	421 (15.9)		
Chemotherapy	248 (9.4)		
Targeted therapy	1,434 (54.3)		
Ibrutinib single agent	531 (20.1)		
Rituximab single agent	426 (16.1)		
Acalabrutinib single agent	151 (5.7)		
Venetoclax single agent or combination	150 (5.7)		
Non-CLL therapy	535 (20.3)		

Hemasphere. 2023 Aug 8;7(Suppl):e6855326.

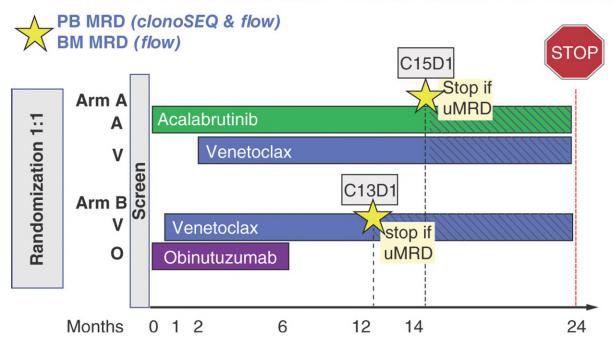
MAJIC Trial

MAJIC schema

- Arm A Acalabrutinib (A) 100 mg po BID,

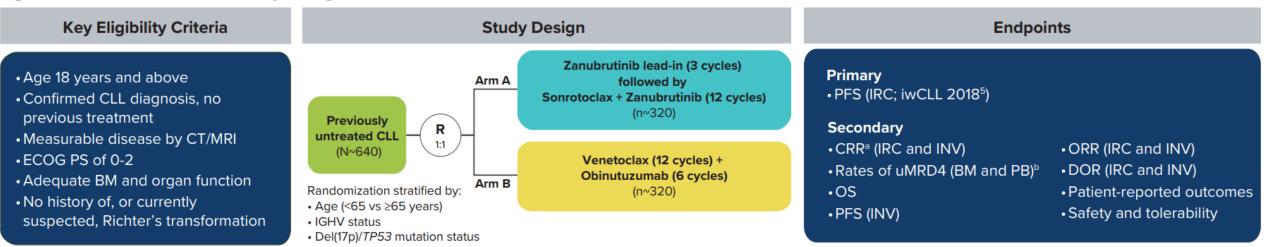
 Venetoclax (V) 400 mg po daily (C3D1–C14), including 5 week ramp up

 STOP if uMRD and at least PR. If MRD+ continue AV to 24 months
- Arm B Venetoclax (V) 400 mg po daily (C1D22–C12), including 5 week ramp up Obinutuzumab (O) 1000 mg iv. (C1D1-2/8/15, C2-6 D1) STOP if uMRD and at least PR. If MRD+ continue V to 24 months



Celestial Trial

Figure 1. CELESTIAL-TNCLL Study Design



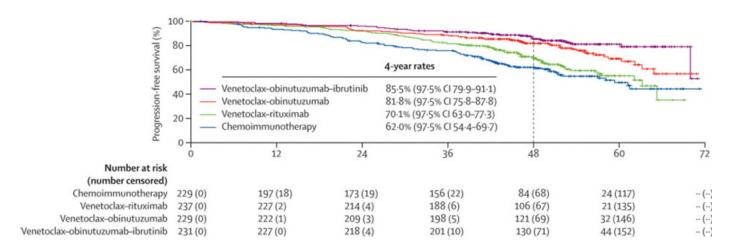
JCO. 2024; 42 TPS7087-TPS7087.

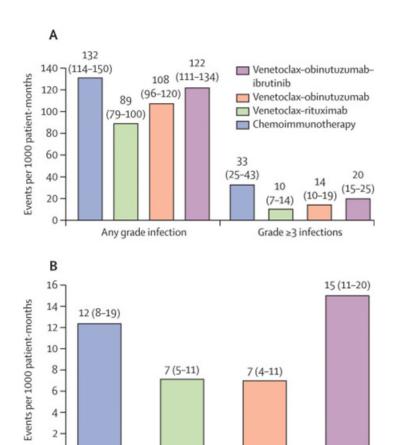
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Questions

Is there 3 drugs better then 2? – CLL-13 Trial





Cardiac disorders

Lancet Oncol 2024; 25: 744-59