

MEET THE **EXPERT** *in CLL*

POTENZA, 2 LUGLIO 2025

Ospedale San Carlo – Aula B

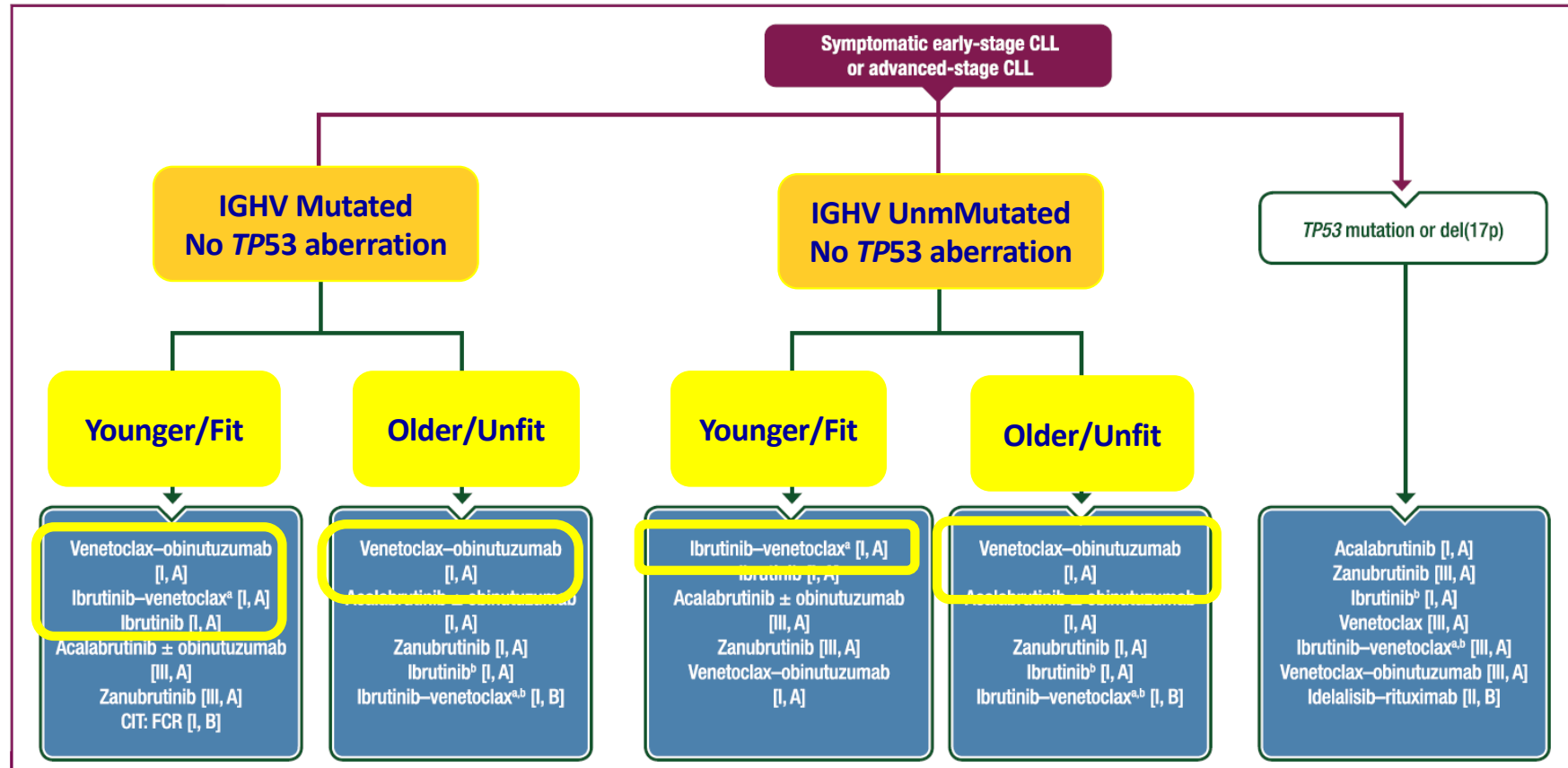


***Terapia a durata fissa nel paziente di prima
linea e nel paziente ricaduto/refrattario***

FRANCESCA R MAURO
DISCLOSURES

	Research support	Employee	Consultant	Stockholder	Speakers bureau	Advisory board	Other
Janssen					x	x	
AstraZeneca					x	x	
Abbvie	x				x	x	
BeOne					x	x	
Lilly					x		

2024 ESMO Treatment guidelines: 1L treatment for CLL



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Eichhorst B & Ghia P Annals of Oncology, 2024
Ospedale San Carlo – Aulaz

**Priority to
Time-Limited Therapy
for CLL patients
without *TP53* disruption**

1

Efficacy

- ***uMRD***
- ***PFS***
- ***Treatment-free interval***

2

Potential retreatment

3

Safety profile

4

Costs

5

Patient preference

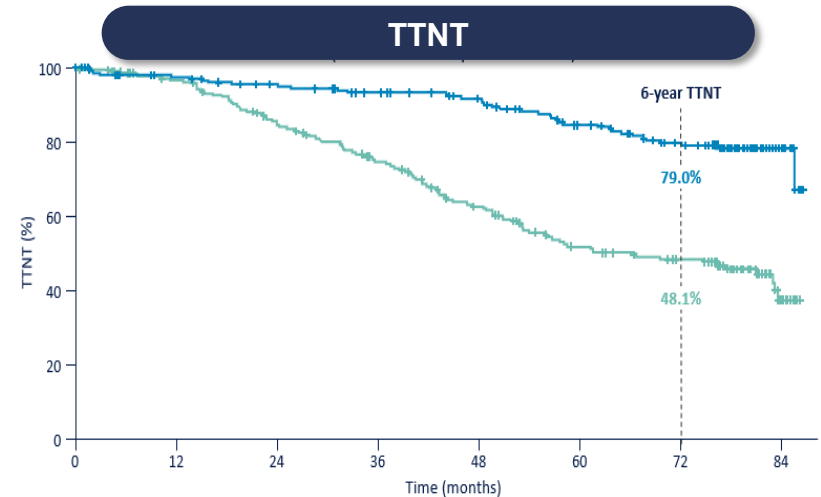
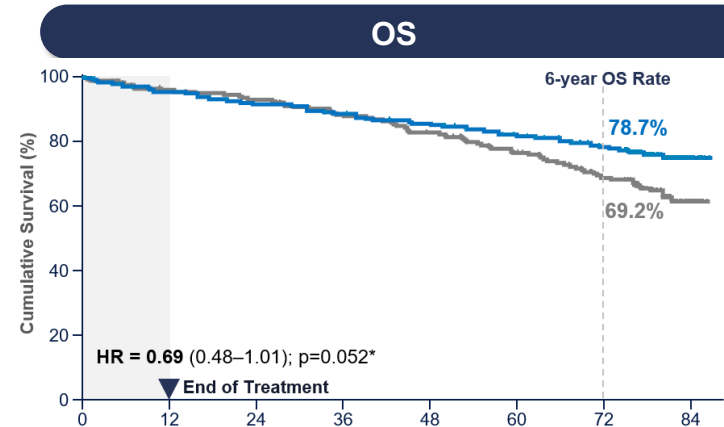
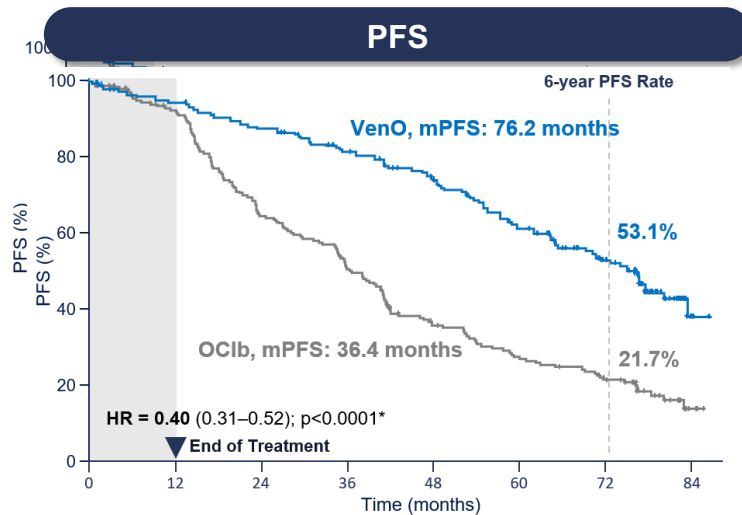
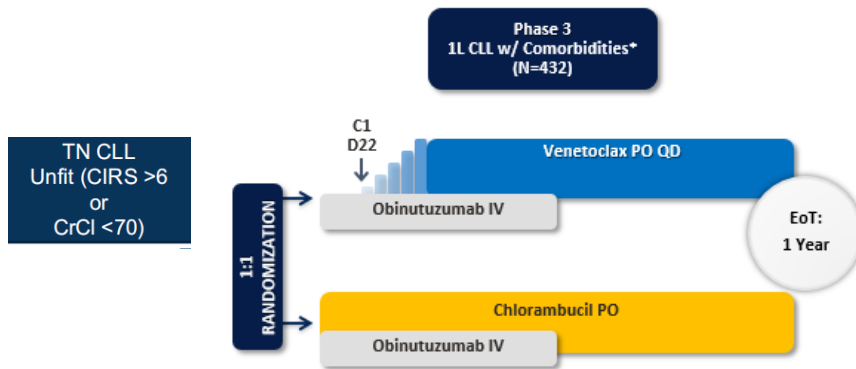


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CLL14 - V+O vs. ClbO: 6-yr FOLLOW-UP

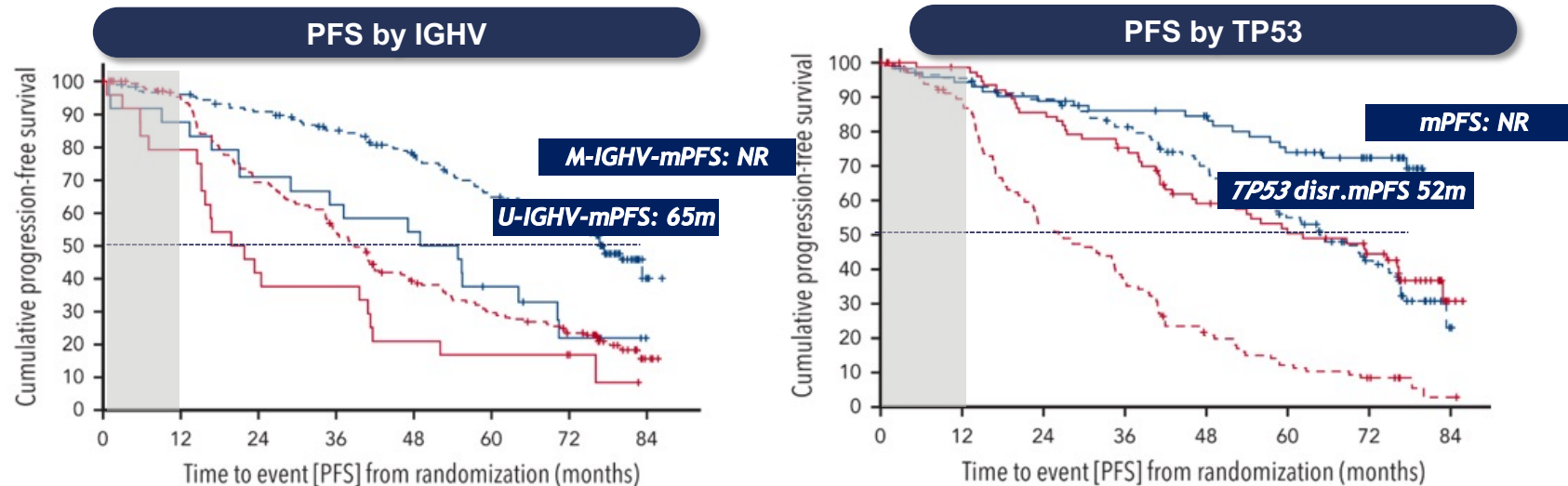


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Al Sawaf et al. Blood 2024

CLL14 - V+O vs. ClbO: 6-yr FOLLOW-UP



Cox Regression PFS	HR (95% Wald CI)	
IGHV mutational status Unmutated vs mutated	2.310 (1.300-4.105)	
Del(17p)/TP53mut vs no del(17p)/TP53mut	2.941 (1.532-5.646)	
Lymph node size, cm ≥5 vs <5	1.768 (1.114-2.808)	

0.1 1.0 10

Better prognosis Worse prognosis

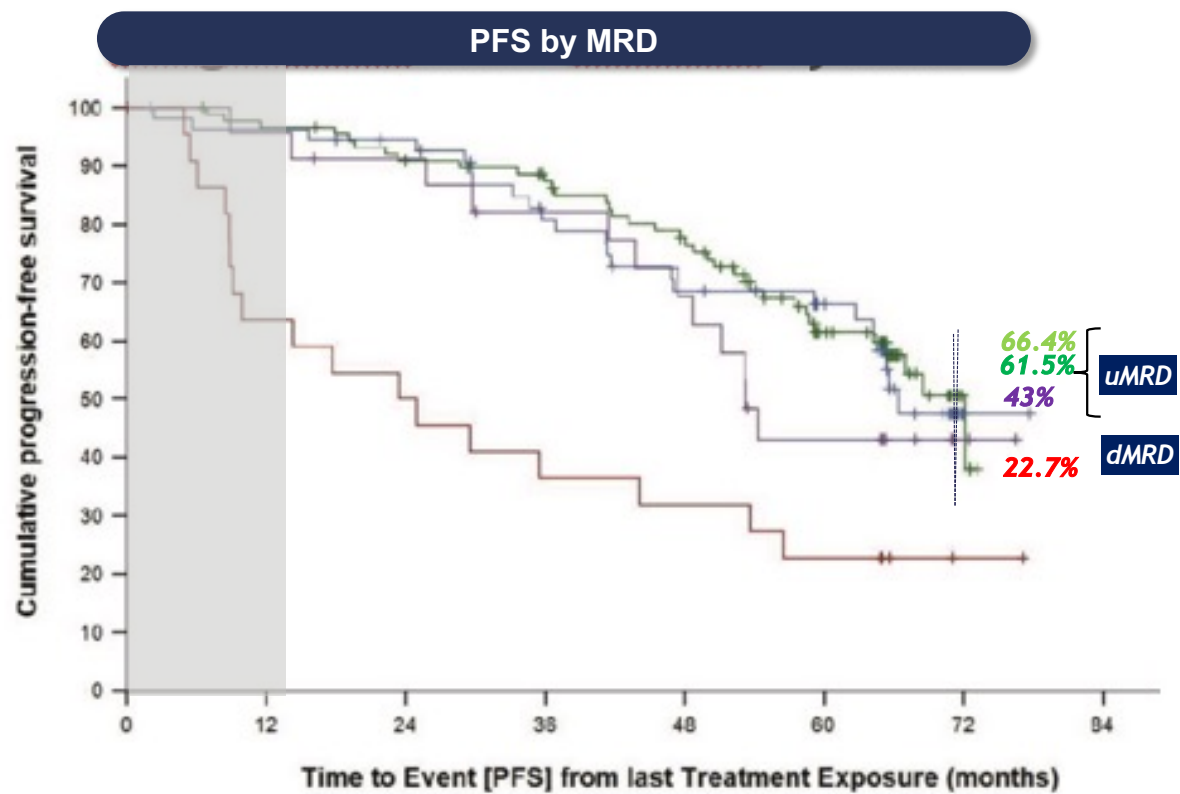
Al Sawaf et al, Blood 2024



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CLL14 - V+O vs. ClbO: 6-yr FOLLOW-UP



Al Sawaf et al, Blood 2024



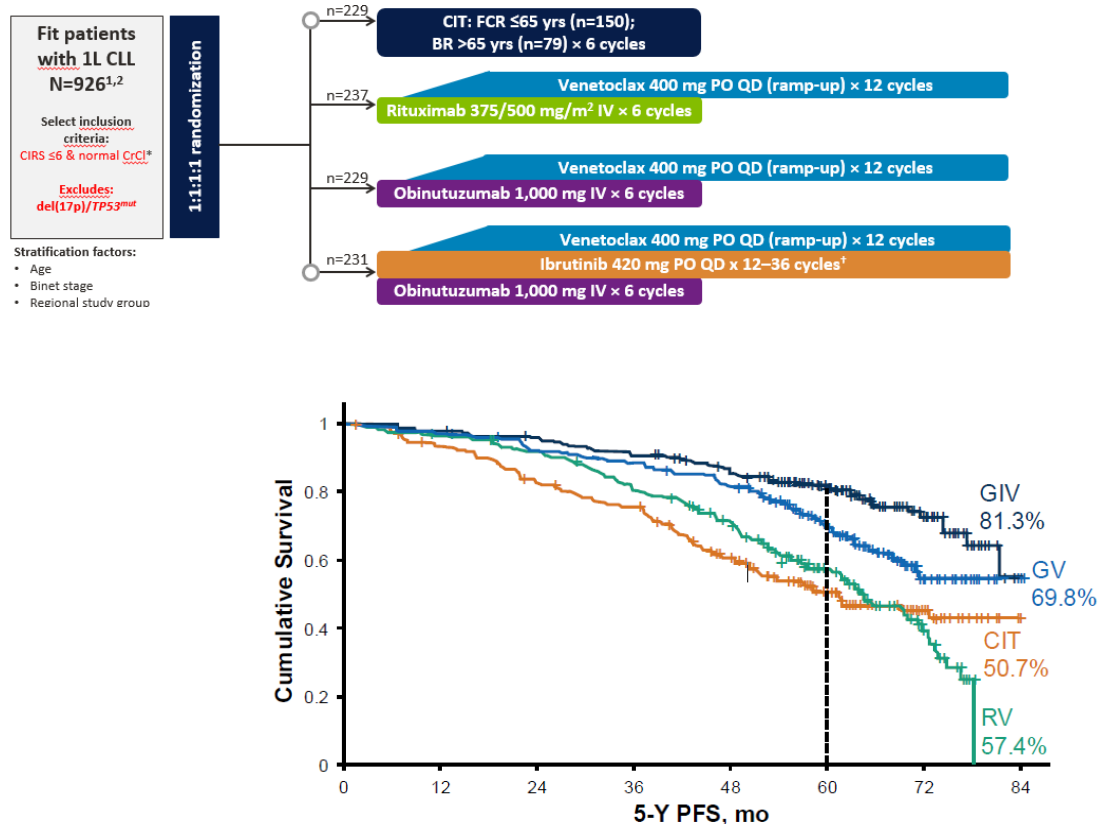
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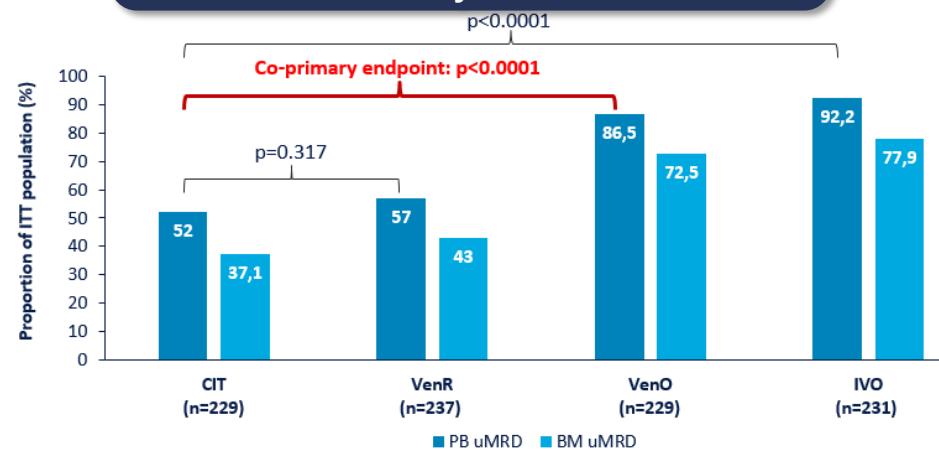
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CLL13 trial: >5y follow-up

Study design



uMRD rates by treatment arm



	HR (97.5% CI)	P
GIV vs CIT	0.34 (0.24-0.50)	<.001
GIV vs RV	0.35 (0.24-0.51)	<.001
GIV vs GV	0.61 (0.41-0.91)	.0046
GV vs RV	0.59 (0.42-0.81)	<.001
GV vs CIT	Not satisfied	<.001
RV vs CIT	Not satisfied	.53

• Fürstenau M, *et al. Lancet Oncol* 2024



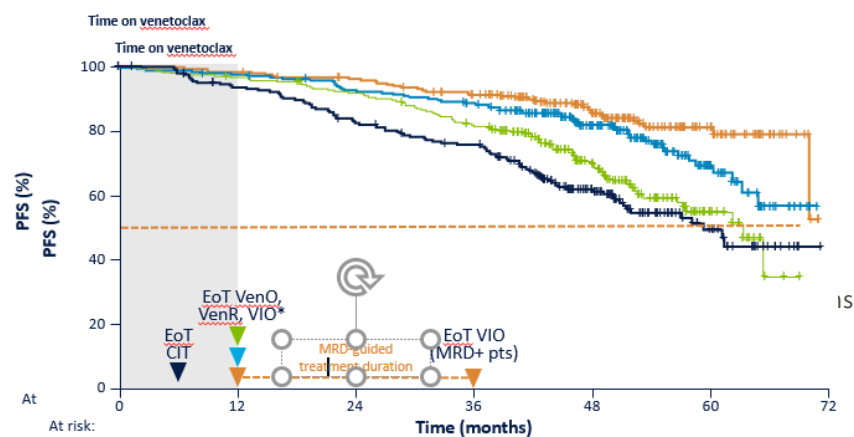
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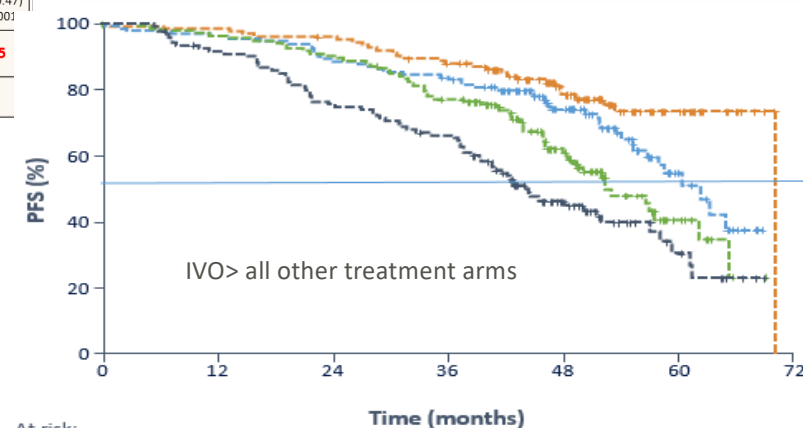
CLL13 trial: >5y follow-up

PFS by treatment arm



	CIT	VenR	VenO	VIO
HR vs CIT (97.5% CI)	—	—	0.47 (0.32–0.69)	0.30 [†] (0.19–0.47)
p-value [‡]	—	p=0.10 [†]	p<0.0001	p<0.0001
4-year PFS, % [†]	62.0	70.1	81.8	85.5
Median PFS, months [‡]	59.4	63.2	NR	NR

PFS by treatment arm in IGHV unmutated patients



- Fürstenau M, *et al. Lancet Oncol* 2024



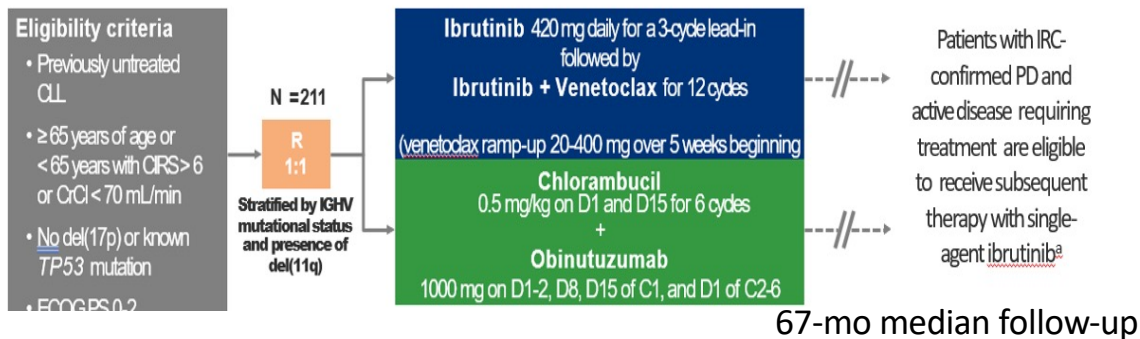
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GLOW trial: 5.5y Follow-up

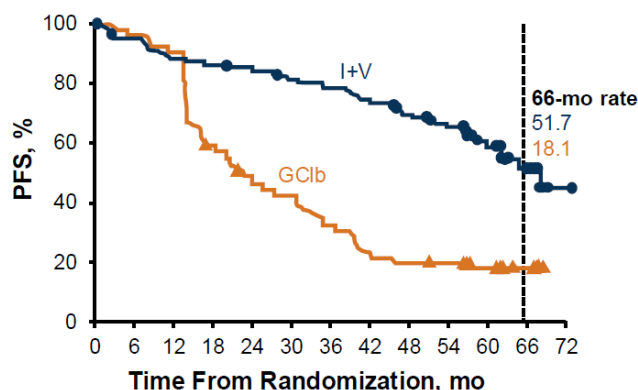
Study Design



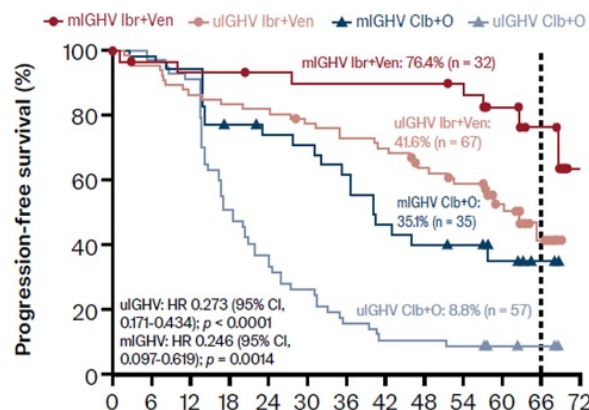
Patients characteristics

	IV	OC1b
No patients	106	105
Median age, yrs	71	71
U-IGHV	63%	54%
TP53 mut.	6.6%	1.9%

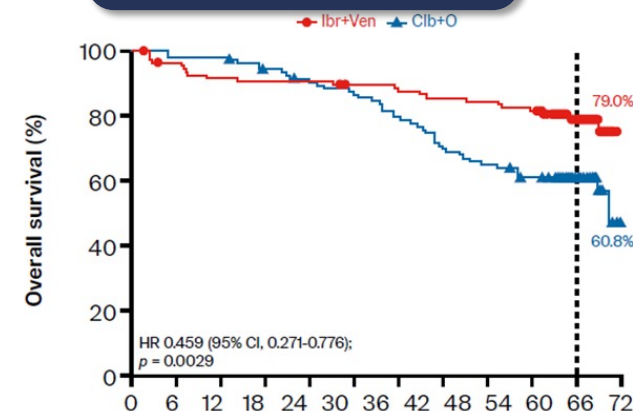
PFS



PFS by IGHV



OS



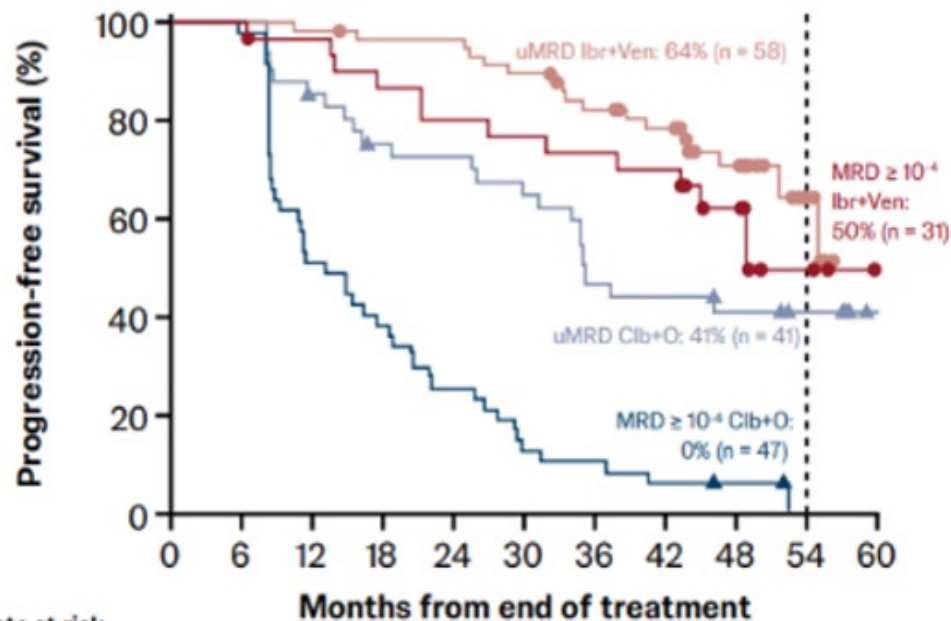
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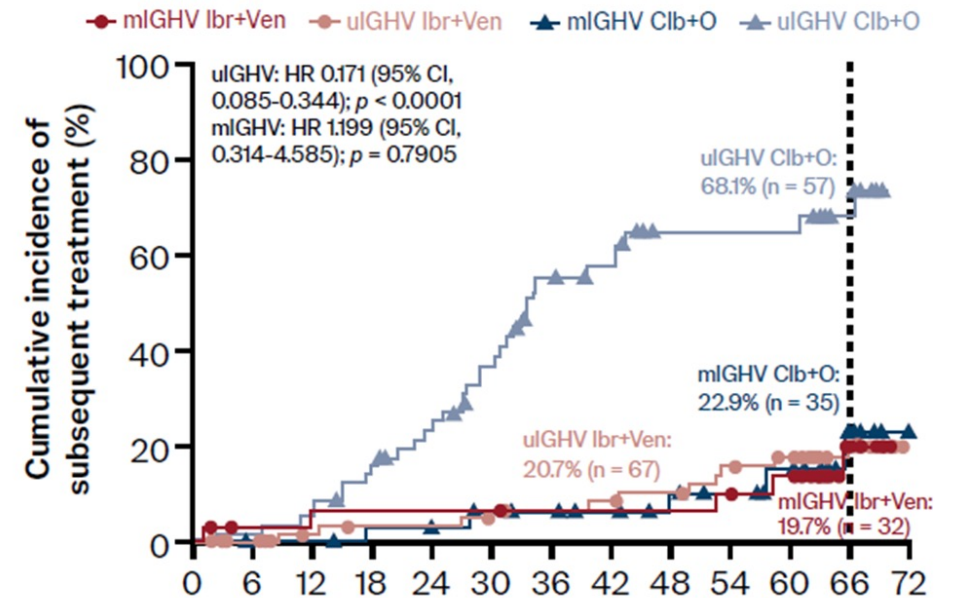
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GLOW trial: 5.5y Follow-up

PFS by MRD



TTNT



Niemann, et al. ASH 2024



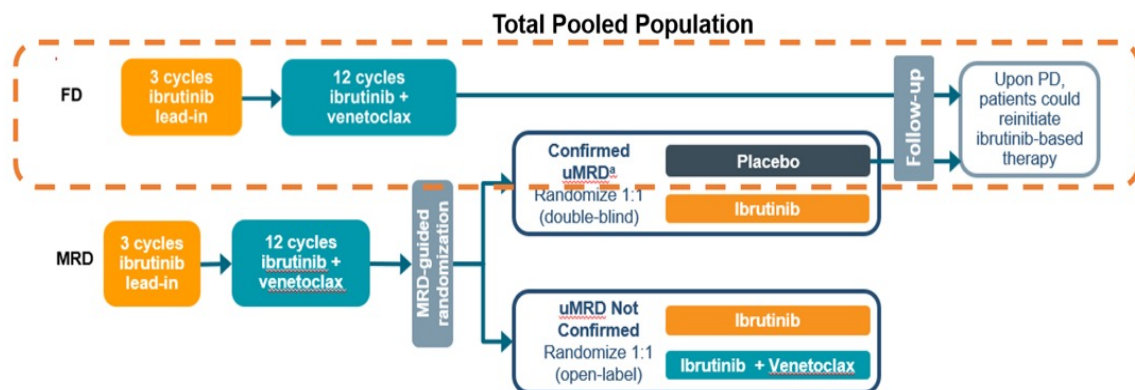
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CAPTIVATE study: Final analysis of FD ibrutinib + Venetoclax for CLL/SLL

Study Design



Patients characteristics

Characteristic	Total Pooled Population (N=202)	FD Cohort Only (N=159)
Median age (range), years	60.0 (33–71)	60.0 (33–71)
Male, n (%)	131 (65)	106 (67)
Rai stage III/IV, n (%)	59 (29)	44 (28)
High-risk genomic features, n (%)		
<i>uIGHV</i>	119 (59)	89 (56)
<i>del(17p)/TP53</i>	29 (14)	27 (17)
<i>del(11q)^a</i>	36 (18)	28 (18)
<i>CK (≥3 abnormalities)^b</i>	35 (17)	31 (20)
<i>CK (≥5 abnormalities)^b</i>	19 (9)	16 (10)
Bulky LN disease, n (%)		
≥5 cm	66 (33)	48 (30)
≥10 cm	6 (3)	5 (3)

Wierda et al. EHA 2025



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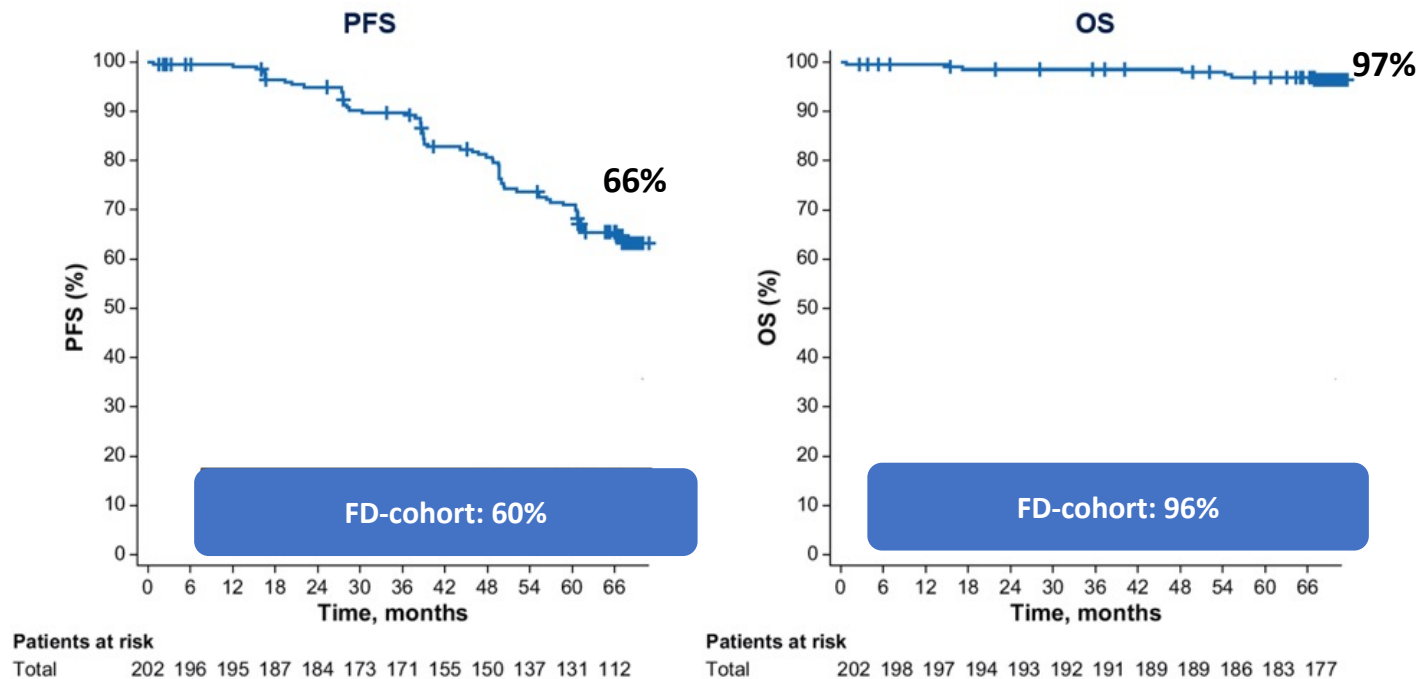
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CAPTIVATE study: Final analysis of FD ibrutinib + Venetoclax for CLL/SLL

5.5 yr PFS and OS: Total population (N=202)

Median FU: 69 months



Wierda et al. EHA 2025



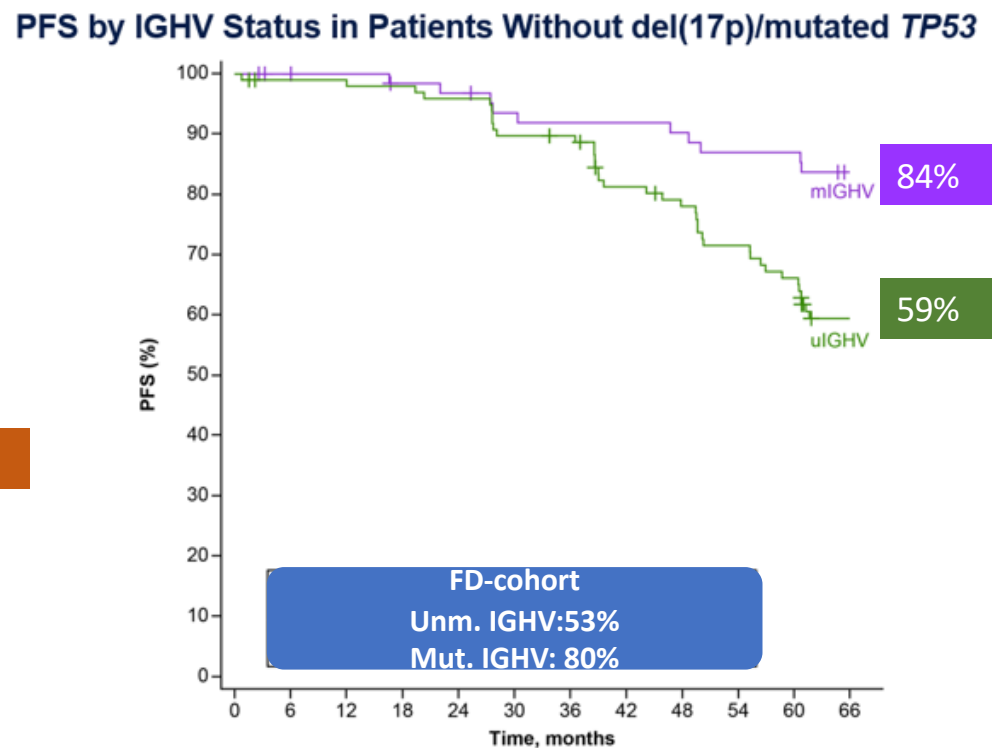
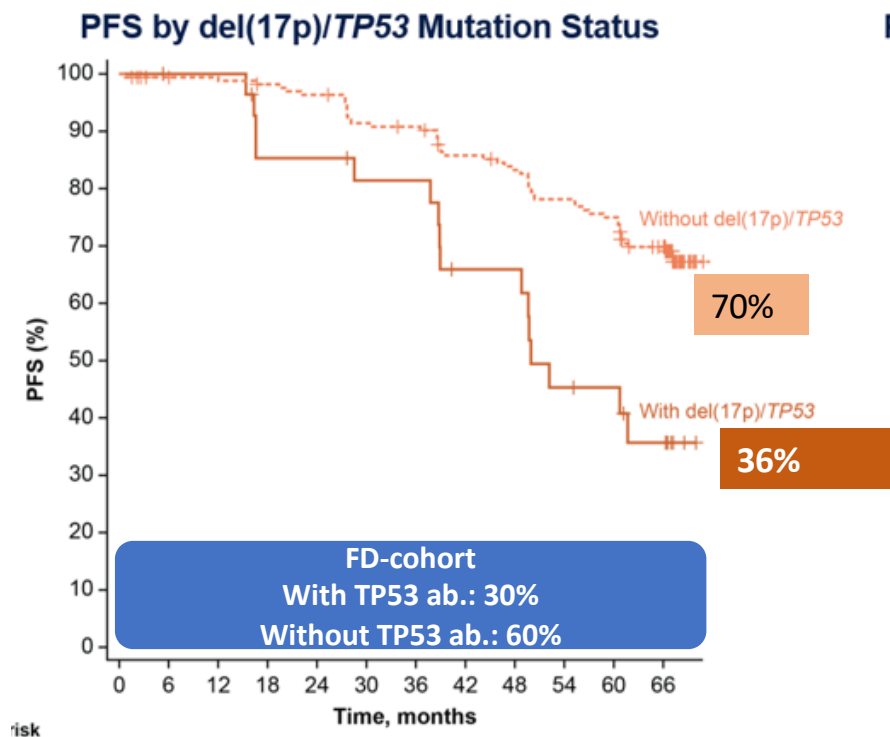
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CAPTIVATE study: Final analysis of FD ibrutinib + Venetoclax for CLL/SLL

PFS : Total population (N=202)



Wierda et al. EHA 2025

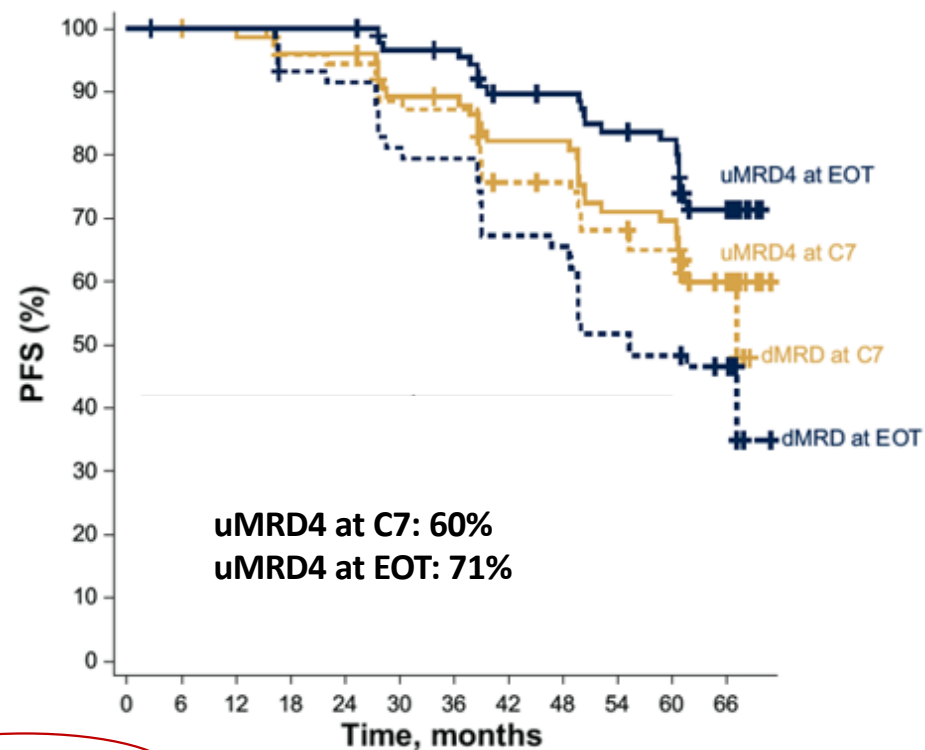
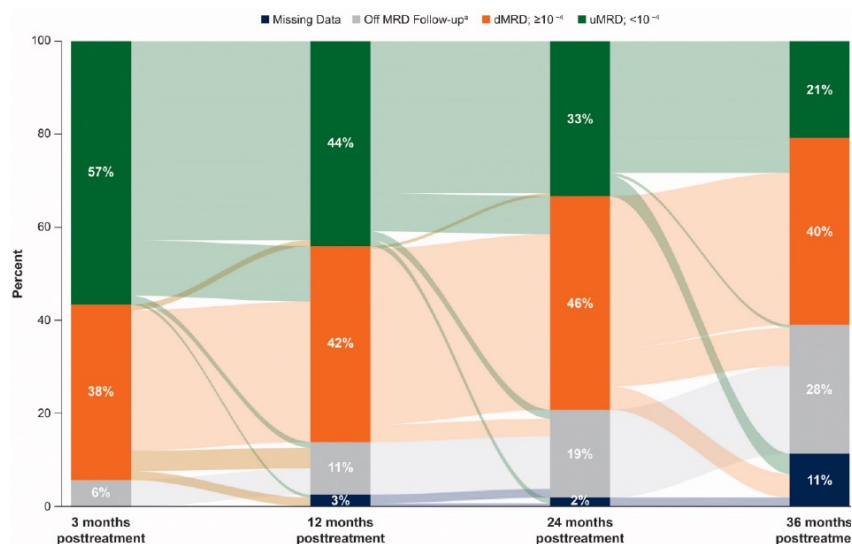


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FD-CAPTIVATE: Impact of uMRD4 measured at C7 and EOT on PFS



Patients at risk													
uMRD4 at C7	76	76	75	72	72	65	64	59	59	51	50	40	
dMRD at C7	72	72	72	67	66	62	61	51	50	45	42	35	
uMRD4 at EOT	90	90	90	90	90	85	84	76	75	70	68	54	
dMRD at EOT	60	59	59	54	53	47	46	39	38	30	28	25	

Wierda et al. EHA 2025

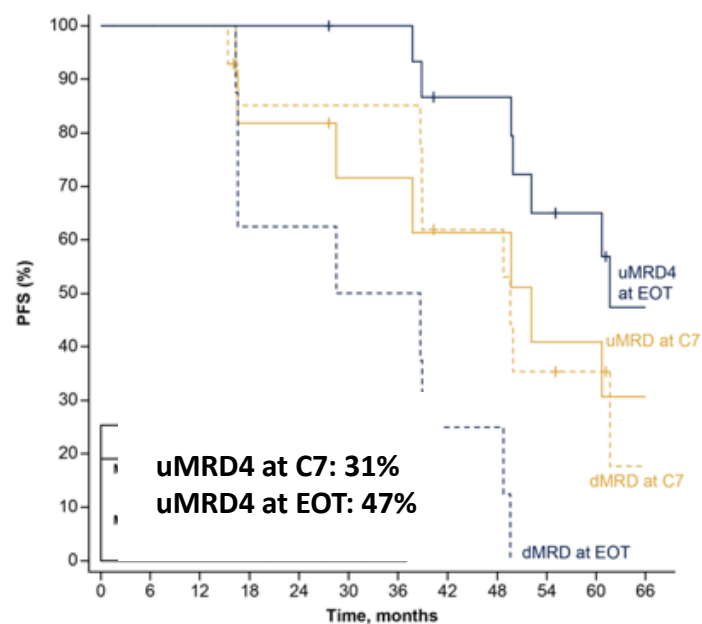


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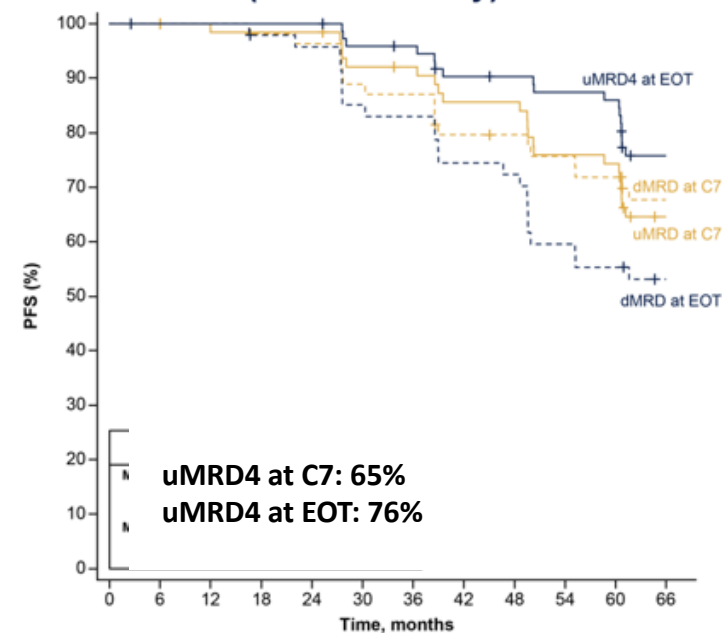
POTENZA, 2 LUGLIO 2025
Ospedale San Carlo – Aula B

FD-CAPTIVATE: Impact of uMRD4 measured at C7 and EOT on PFS

PFS by MRD Status in Patients With del(17p)/mutated *TP53*
(FD Cohort only)



PFS by MRD Status in Patients Without del(17p)/mutated *TP53* (FD Cohort only)



Wierda et al. EHA 2025



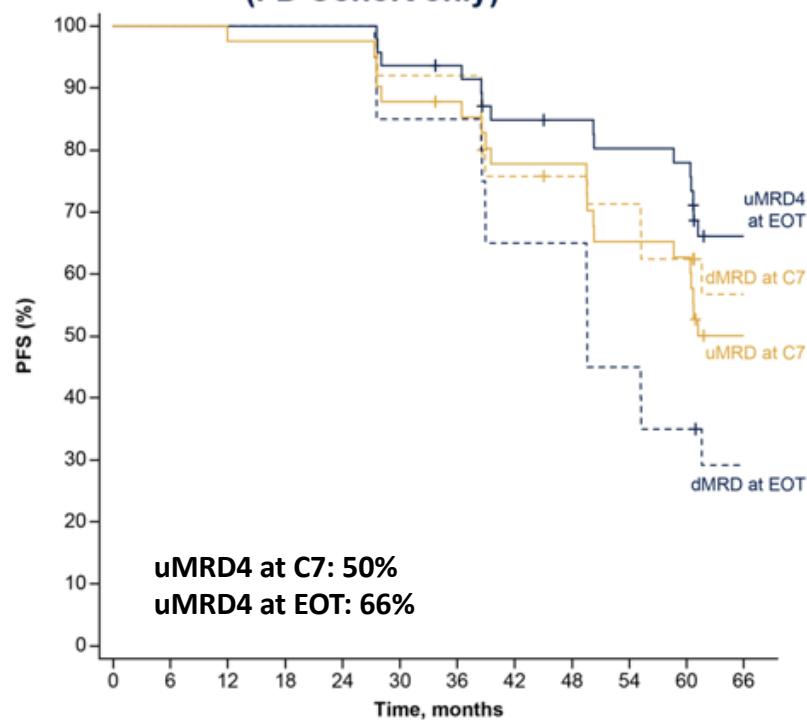
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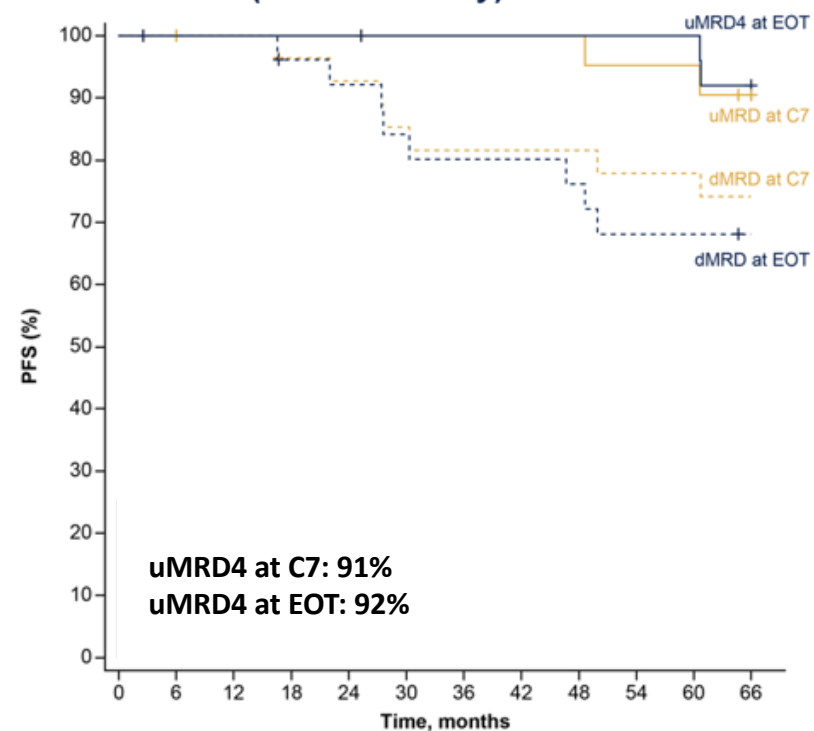
Ospedale San Carlo – Aula B

FD-CAPTIVATE: Impact of uMRD4 measured at C7 and EOT on PFS

PFS by MRD Status in Patients Without del(17p)/TP53 and With uIGHV
(FD Cohort only)



PFS by MRD Status in Patients Without del(17p)/TP53 and With mIGHV
(FD Cohort only)



Wierda et al. EHA 2025



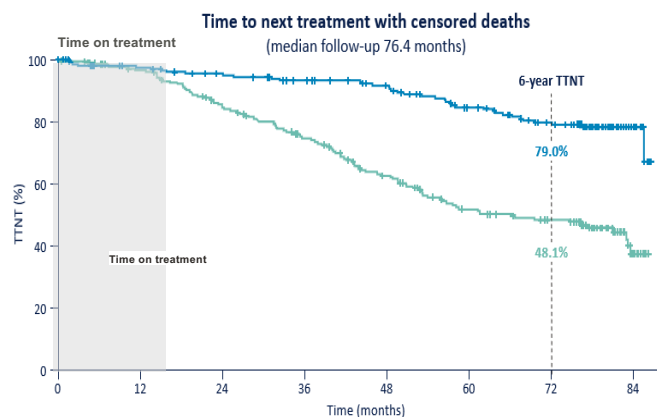
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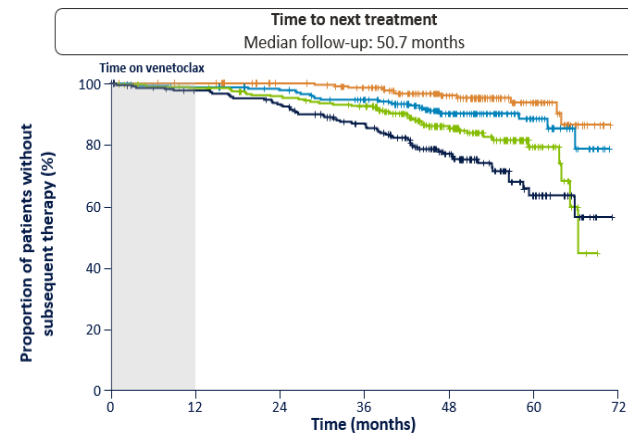
1L Fixed-Duration treatment for CLL: TTNT

V+O - CLL14



6yTTNT
79,0%

V+O - CLL13



4y TTNT
90,4%

Al-Sawaf O, et al. Blood 2024; Fürstenau M, et al. Lancet Oncol 2024



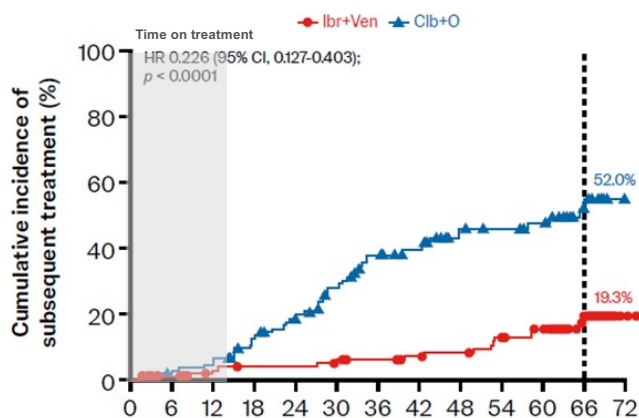
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La combinazione Venetoclax + Ibrutinib è riportata nella RCP del medicinale a base di ibrutinib.

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1L Fixed-Duration treatment for CLL: TTNT

V+I - GLOW



At 5.5 years, 73% of patients required no additional treatment

5.5y TTNT
80,7%*

5.5y TTNT
73.3%

Niemann et al. ASH 2024

*calculated as 100 - 19.3



MEET THE

EXPERT *in CLL*

La combinazione Venetoclax + Ibrutinib è riportata nella RCP del medicinale a base di ibrutinib.

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AMPLIFY: 1L Fixed-Duration Acalabrutinib + Venetoclax ± Obinutuzumab vs CIT in

TN CLL (N=867)

Key inclusion criteria

- Age ≥18 years
- TN CLL requiring treatment per iwCLL 2018 criteria³
- Without del(17p) or TP53^a
- ECOG PS ≤2

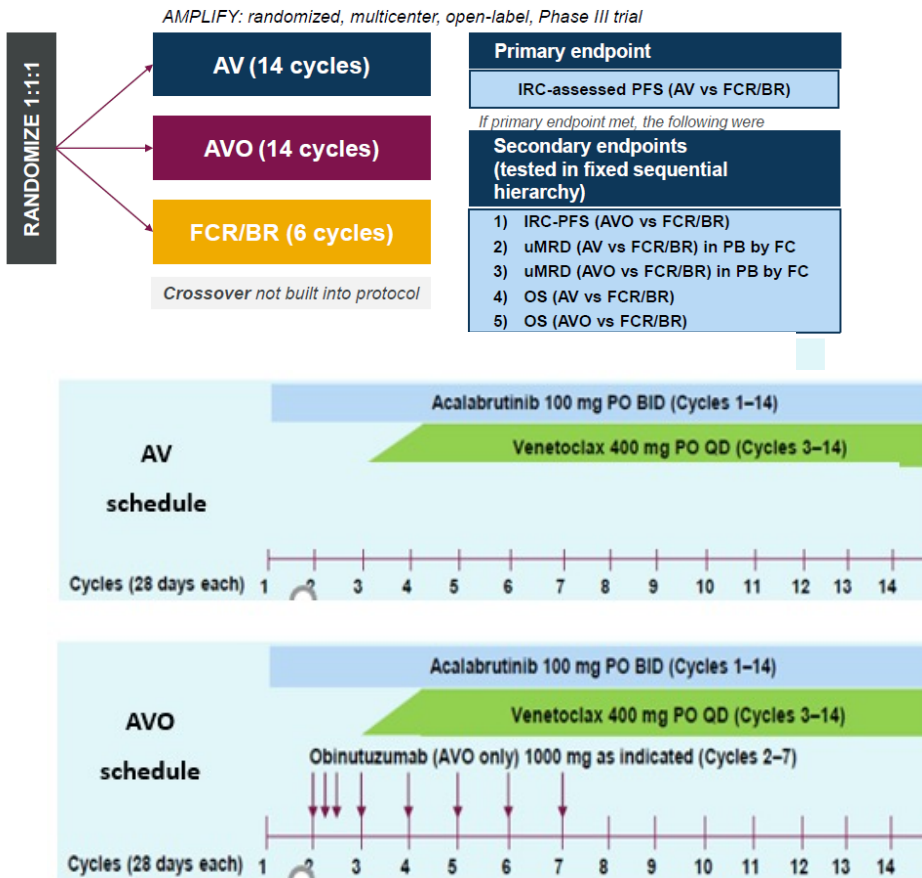
Key exclusion criteria

- CIRS-Geriatric >6
- Significant cardiovascular disease

Stratification

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

NCT03836261. Data cutoff: April 30, 2024.
(a) del(17p) or TP53 mutation (by sequencing)



Characteristic	AV (n = 291)	AVO (n = 286)	FCR/BR (n = 290)
Median age, yr (range)	61 (31-84)	61 (29-81)	61 (26-86)
ECOG PS 2, n (%)	28 (9.6)	14 (4.9)	26 (9.0)
Rai stage			
▪ 0-II	154 (52.9)	170 (59.4)	163 (56.2)
▪ III-IV	137 (47.1)	116 (40.6)	127 (43.8)
del(11q) present	51 (17.5)	56 (19.6)	46 (15.9)
Unmutated IGHV	167 (57.4)	169 (59.1)	172 (59.3)



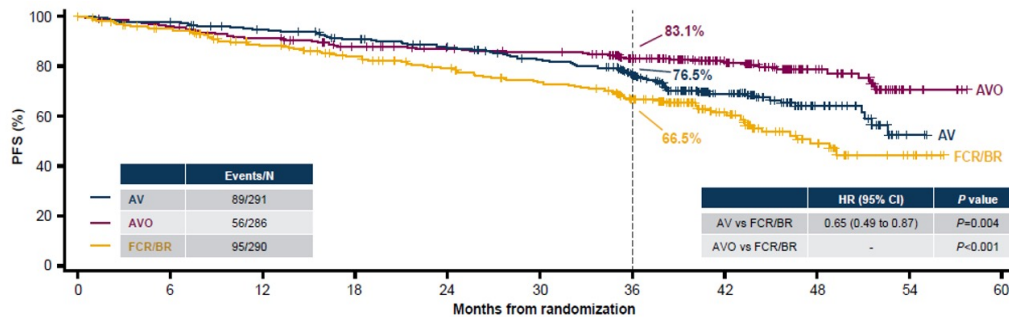
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Brown et al., NEJM 2025
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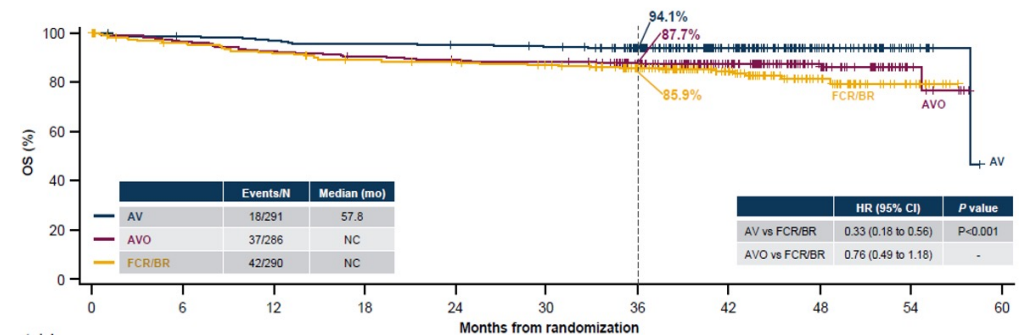
Amplify trial: AV vs. AVO vs CIT

Median follow-up from randomization: 40.8 months (range, 0-59),

PFS



OS



Brown et al., NEJM 2025

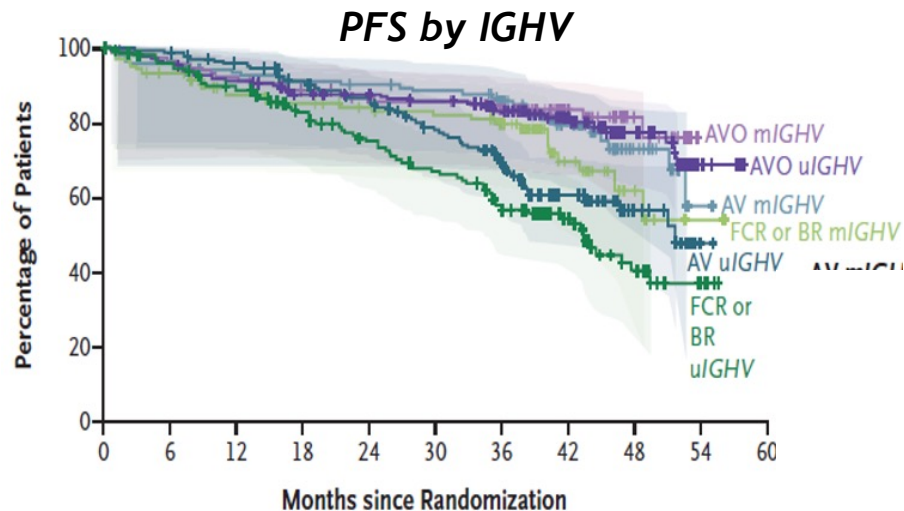


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AMPLIFY: 1L Fixed-Duration Acalabrutinib + Venetoclax ± Obinutuzumab vs CIT in



	No. of Events/ Total No. of Patients	Median Progression- free Survival mo	Progression- free Survival at 36 Months %
✓ AV mIGHV	28/124	NC	86.0
AV uIGHV	61/167	51.5	68.9
AVO mIGHV	20/117	NC	83.6
AVO uIGHV	36/169	NC	82.8
FCR or BR mIGHV	28/118	NC	79.9
FCR or BR uIGHV	67/172	43.1	

AEs of Clinical Interest

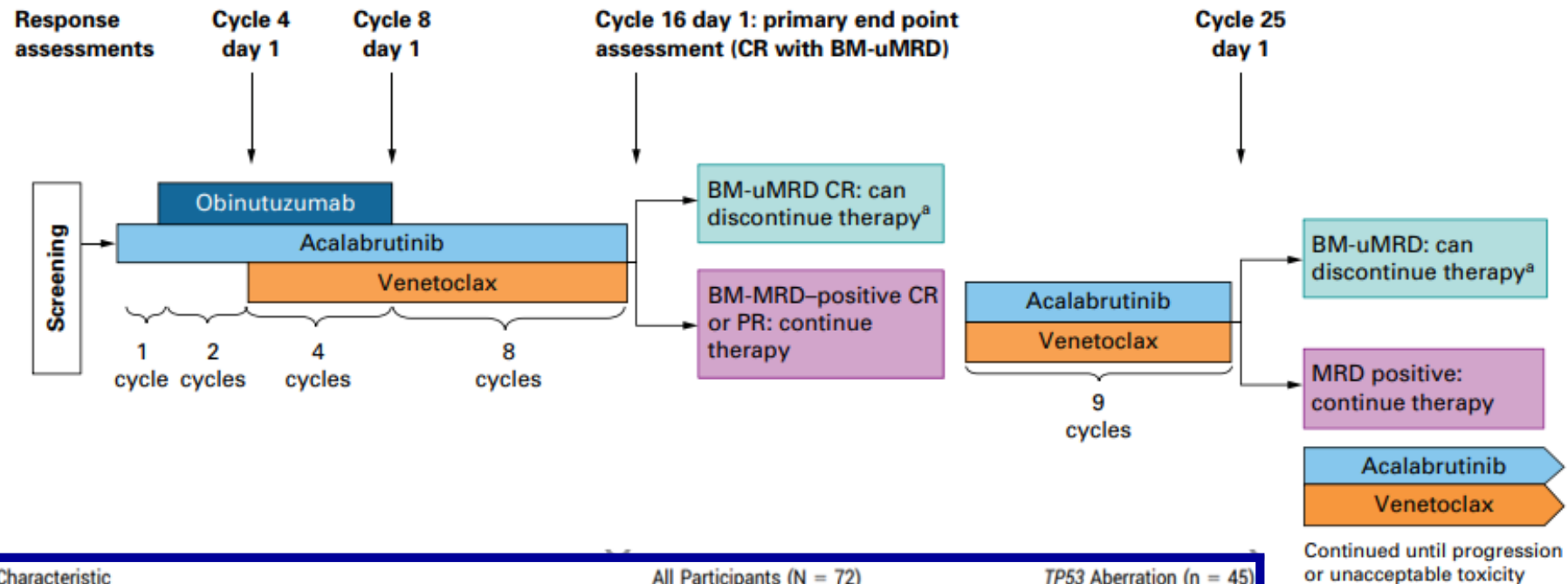
AEs of Clinical Interest, n (%)	AV (n = 291)		AVO (n = 284)		FCR/BR (n = 259)	
	Any Grade	Grade ≥3	Any Grade	Grade ≥3	Any Grade	Grade ≥3
Any	222 (76.3)	136 (46.7)	242 (85.2)	188 (66.2)	185 (71.4)	141 (54.4)
Cardiac events	27 (9.3)	5 (1.7)	34 (12.0)	7 (2.5)	9 (3.5)	3 (1.2)
▪ Atrial fibrillation	2 (0.7)	1 (0.3)	6 (2.1)	2 (0.7)	2 (0.8)	2 (0.8)
▪ Ventricular tachyarrhythmias	2 (0.7)	0	3 (1.1)	0	0	0
Hypertension	12 (4.1)	8 (2.7)	11 (3.9)	6 (2.1)	7 (2.7)	2 (0.8)
Hemorrhage	94 (32.3)	3 (1.0)	86 (30.3)	6 (2.1)	11 (4.2)	1 (0.4)
▪ Major hemorrhage	3 (1.0)	3 (1.0)	8 (2.8)	6 (2.1)	2 (0.8)	1 (0.4)
Neutropenia	108 (37.1)	94 (32.3)	143 (50.4)	131 (46.1)	132 (51.0)	112 (43.2)
Infections	148 (50.9)	36 (12.4)	153 (53.9)	67 (23.6)	82 (31.7)	26 (10.0)
Secondary primary malignancy	15 (5.2)	5 (1.7)	12 (4.2)	5 (1.8)	2 (0.8)	0
▪ Excluding nonmelanoma skin cancer	8 (2.7)	5 (1.7)	7 (2.5)	4 (1.4)	1 (0.4)	0
TLS	1 (0.3)	1 (0.3)	1 (0.4)	1 (0.4)	8 (3.1)	8 (3.1)



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Phase II Study of Acalabrutinib, Venetoclax, and Obinutuzumab in a TNCLL Population Enriched for HR



Characteristic	All Participants (N = 72)	TP53 Aberration (n = 45)
Age, years, median (range)	63 (36-80)	65 (36-80)
TP53 aberration	45 (62.5)	45 (100.0)
Del(17p) with TP53 mutation	31 (43.1)	31 (68.9)
Del(17p) without TP53 mutation or TP53 unknown	3 (4.2)	3 (6.7)
TP53 mutation without del(17p) or del(17p) unknown	11 (15.3)	11 (24.4)
IGHV status, unmutated	54 (75.0)	37 (82.2)

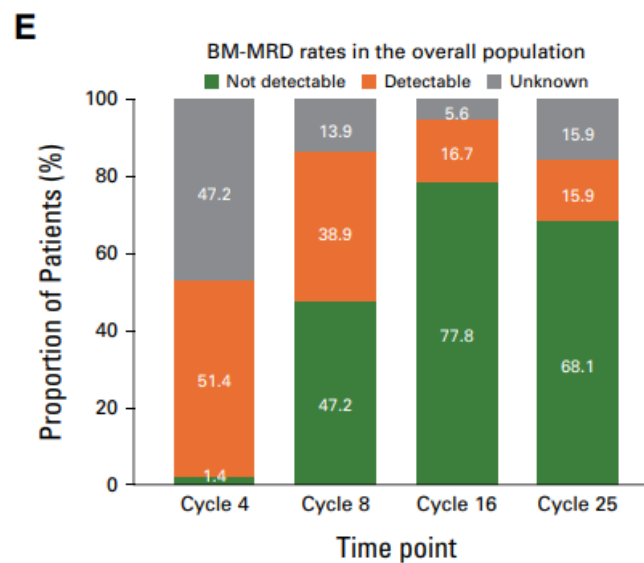
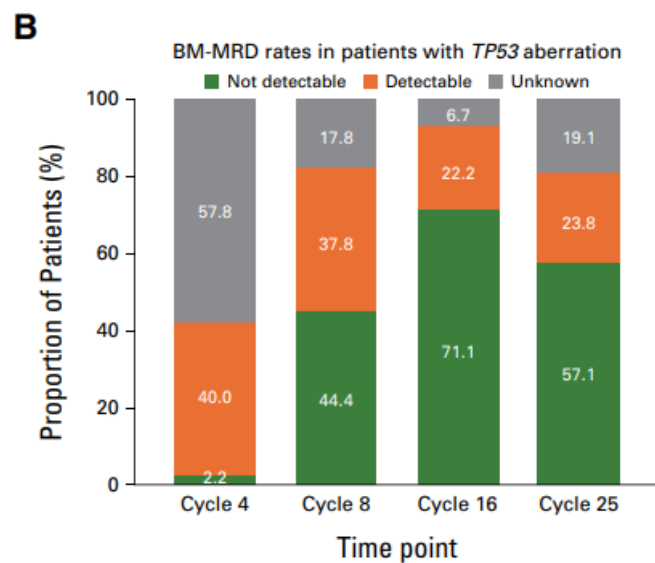
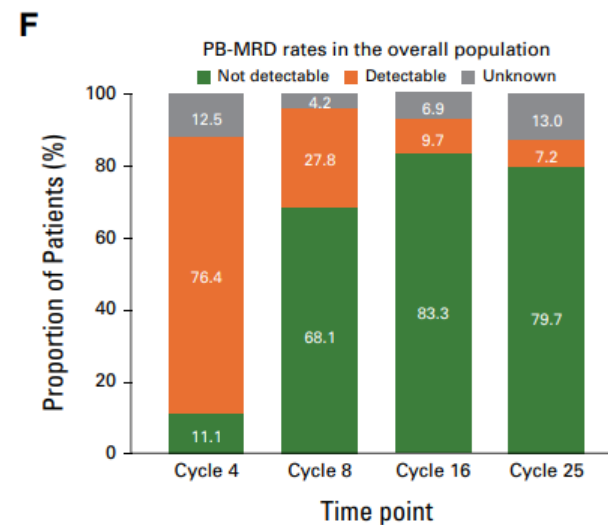
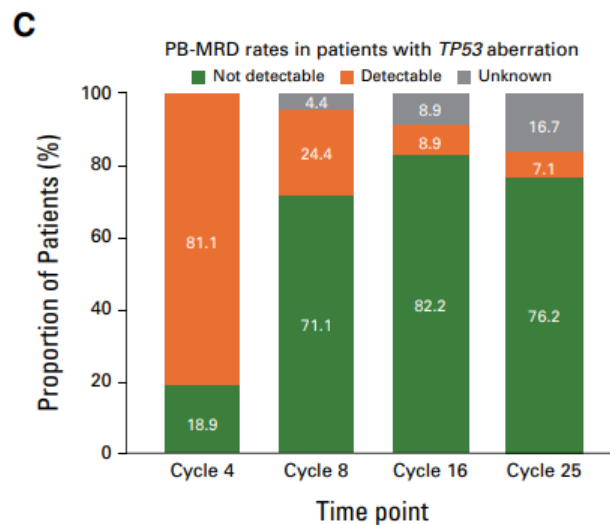
BCL2-IT-00141-IT - Questo documento è ad esclusivo uso educativo dei dipendenti AbbVie.
Non può essere fornito agli operatori sanitari e/o utilizzato come materiale promozionale.

Dauids et al. JCO 2025

A+V e A+V+O sono approvati da EMA ma non ancora rimborsati da AIFA.

uMRD in PB

uMRD in BM



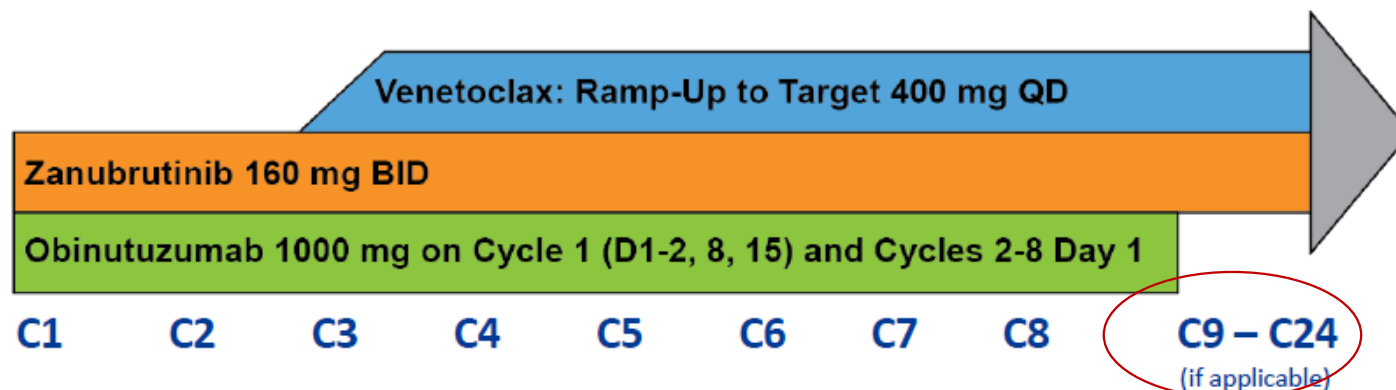
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Dauids et al. JCO 2025

BOVEN REGIMEN: 1L zanubrutinib+venetoclax+obinutuzumab

Key eligibility criteria

Previously untreated CLL/SLL
Requires treatment (iwCLL guidelines)
ECOG 0-2
ANC $\geq 1,000$, PLT count ≥ 75 (unless due to CLL)
Coumadin and dual antiplatelet excluded



Treatment duration / MRD-directed treatment discontinuation criteria

- Treatment duration: Min 8 months to Max 24 months (including 2-month doublet lead-in prior to venetoclax)
- Peripheral blood MRD (flow cytometry) assessed every 2 cycles
 - If PB uMRD $<10^{-4}$ (flow), then BM MRD assessment within 14 days
 - If PB and BM uMRD $<10^{-4}$ (flow), then repeat PB MRD assessment after 2 additional cycles
 - If PB x 2 (consecutively) and BM uMRD $<10^{-4}$ (primary endpoint), treatment is discontinued

Soumerai et al., ASH 2024

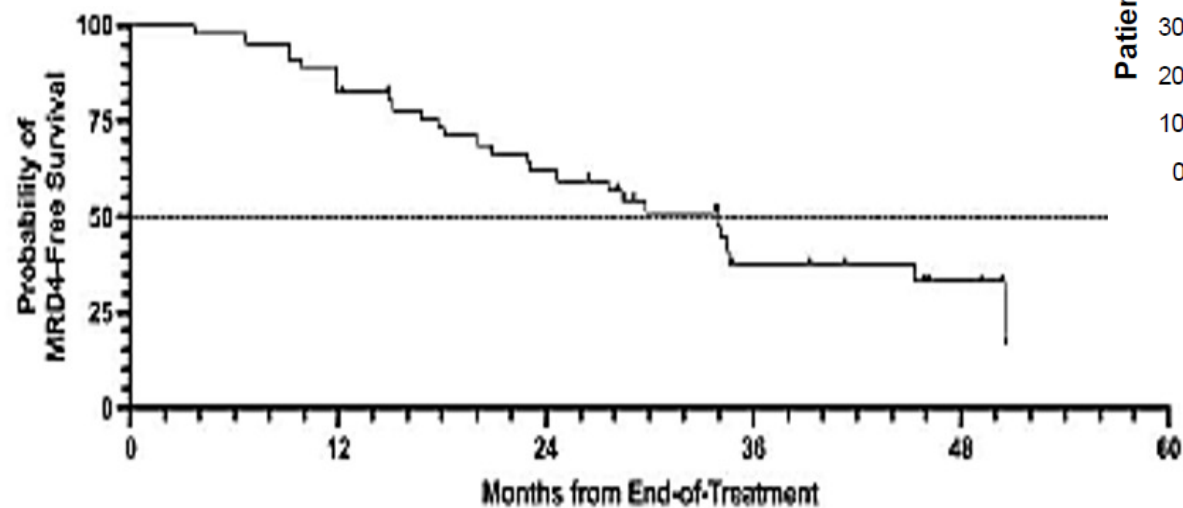


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EXPERT in CLL

POTENZA, 2 LUGLIO 2025

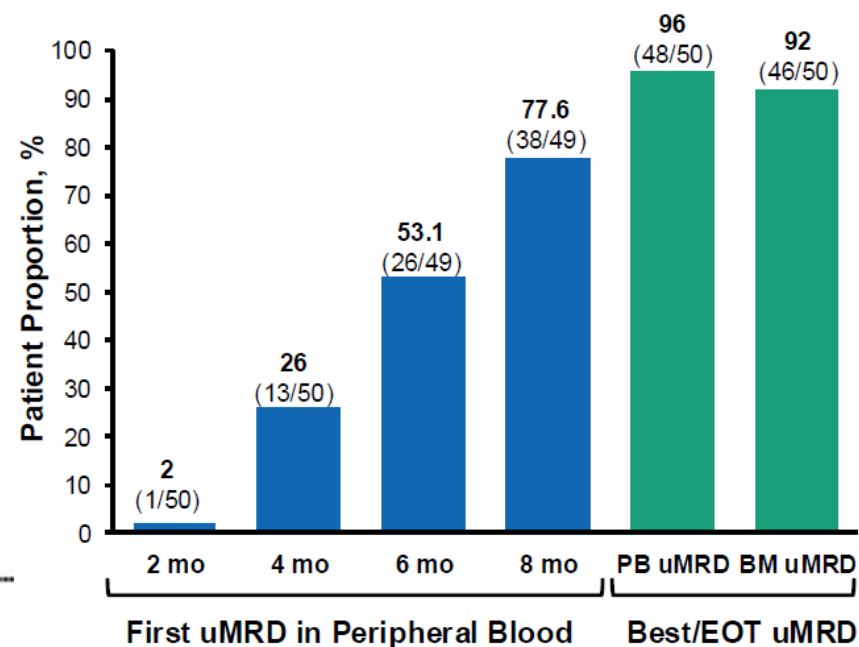
Ospedale San Carlo – Aula B

	52 patients
Median FU	57 mo
Med. age	62 yrs
Unmutated IGHV	71%
TP53 del/mut	17%
Response evaluable	50/52



- Median MRD4-free survival of 92% (46/50) achieving BM uMRD4: 34 mo (95% CI 23 – NR)

MRD Outcomes, 5-y Follow-up²



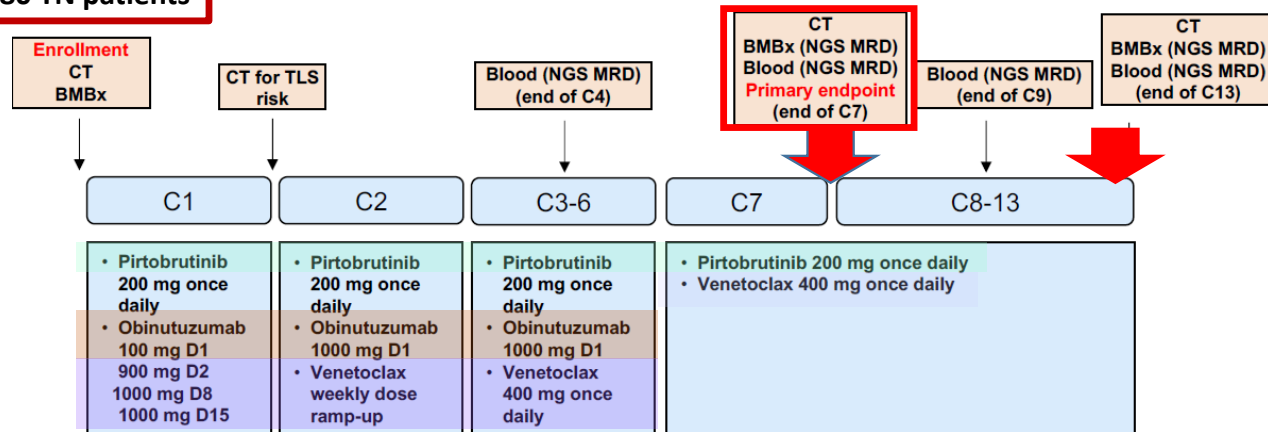
MEET THE
EXPERT *in CLL*

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Ospedale San Carlo – Aula B

Combined Pirtobrutinib, Venetoclax, and Obinutuzumab As First-Line Treatment of Patients with CLL

80 TN patients



	n (%) or median [range], N=80
Age, years	63 [38-78]
≥70	21 (26)
Gender, M	60 (75)
ALC, K/ μ L	65.1 [1.1-331.1]
PLT, K/ μ L	142 [61-284]
HGB, g/dL	11.3 [7.5-14.8]
B2M, mg/L	4.0 [1.6-12.8]
FISH (Dohner classification)	
Del(17p)	7 (9)
Del(11q)	23 (29)
Trisomy 12	16 (20)
Normal	13 (16)
Del(13q)	21 (26)
IGHV status	
Unmutated	63 (79)
Mutations	
NOTCH1	25 (31)
SF3B1	17 (21)
KRAS/NRAS	11 (14)
BIRC3	8 (10)
TP53	8 (10)
Del(17p) / TP53-mutated	10 (13)

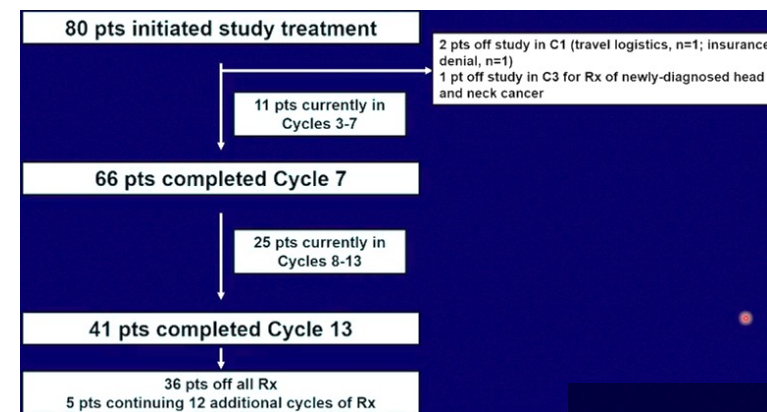
- Patients with treatment-naïve CLL/SLL
- ≥ 18 years
- ECOG PS 0-2
- Adequate organ function
 - GFR ≥ 50 ml/min

Primary Objective

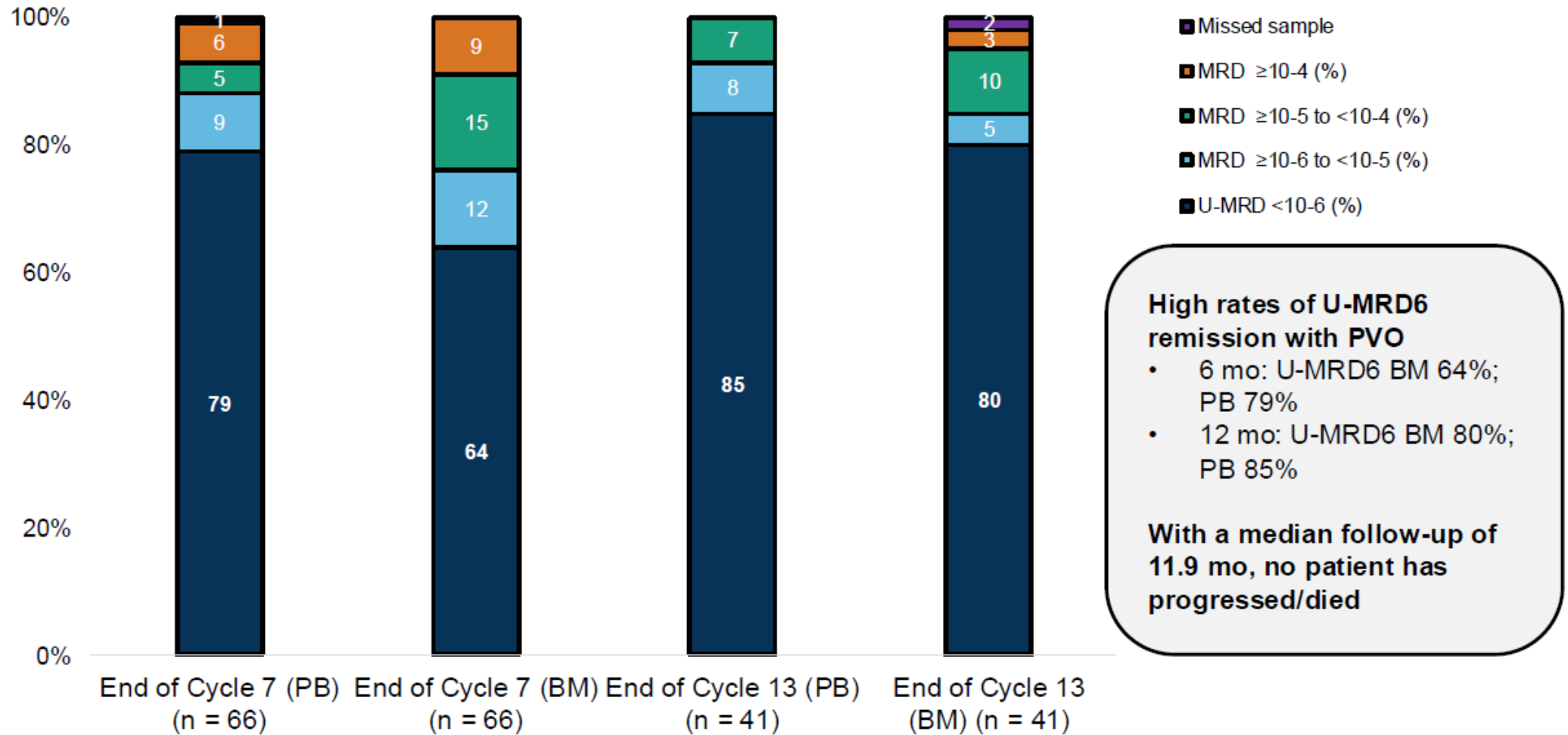
- Estimate the therapeutic activity (U-MRD rate) of combined pirtobrutinib, venetoclax, and obinutuzumab in patients with previously untreated CLL/SLL

Secondary Objectives

- Estimate overall response rate (CR/CRi/PR), PFS, and OS
- Estimate the safety and tolerability



Time-Limited Pirtobrutinib, Venetoclax, Obinutuzumab (PVO) Induced Deep, MRD-Negative Remissions in TN CLL¹



1. Jain N et al. ASH 2024. Abstract 1011.

Symptomatic relapsed CLL

Relapse after CIT or late relapse
(≥36 months) after venetoclax-based,
time-limited Tx
and no *TP53* mutation or del(17p)

Venetoclax–rituximab [I, A]^a
Acalabrutinib or zanubrutinib
[I, A]^a
Ibrutinib^b [I, B]^a
Ibrutinib–venetoclax^{b,c} [III, B]

Early relapse
(<36 months) after venetoclax-based,
time-limited TX

Acalabrutinib, zanubrutinib
or ibrutinib^b [II, B]
Venetoclax–rituximab [III, B]
Ibrutinib–venetoclax^{b,c} [III, B]

Progression on a BTKi^d

Venetoclax–rituximab [III, A]
Idelalisib–rituximab
or clinical trial enrolment
[III, B]
Non-covalent BTKi [III, A]

TP53 mutation or del(17p)

Acalabrutinib, zanubrutinib
or ibrutinib^b [I, A]
Venetoclax–rituximab [I, A]
Venetoclax [III, B]
Idelalisib–rituximab [III, B]
AlloSCT in fit patients [IV, B]

Considerations to optimize treatment sequencing



Prior therapy and response^{2,3}



Reason for discontinuation^{2,3}



Time to relapse⁴



Level of evidence for sequence⁵



Resistance mutations¹



Patient preferences^{8,9}



Potential for retreatment⁷

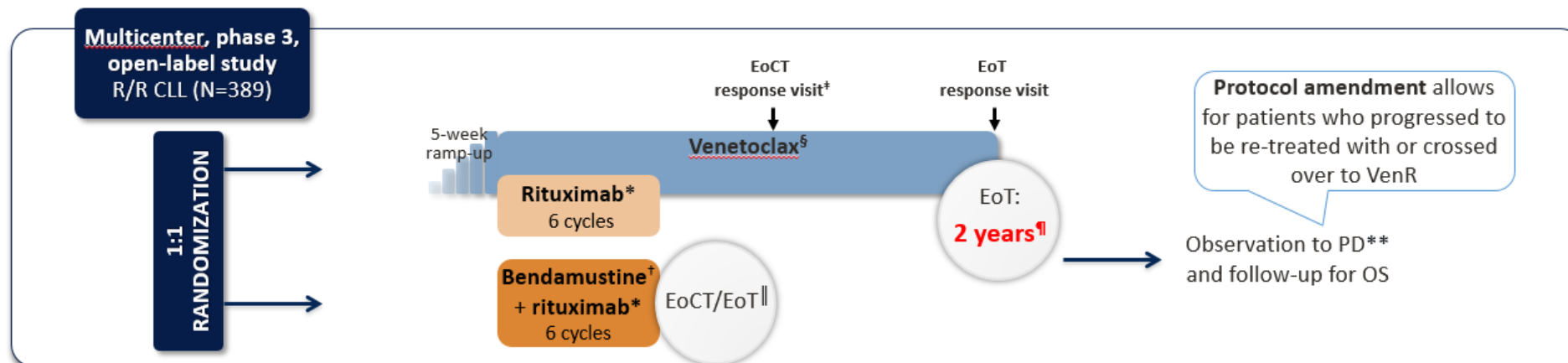


Patient comorbidities/
co-medications^{4,5}



Availability/accessibility, funding¹⁰

MURANO TRIAL: VR vs. BR in R/R patients with CLL: 7 years follow-up



Primary endpoint:

- INV-assessed PFS

Key secondary endpoints:

- IRC-assessed PFS
- PFS in patients with del(17p)
- ORR (IRC- and INV-assessed) at EoCT
- OS, uMRD at EoCT, DoR, EFS, TTNT

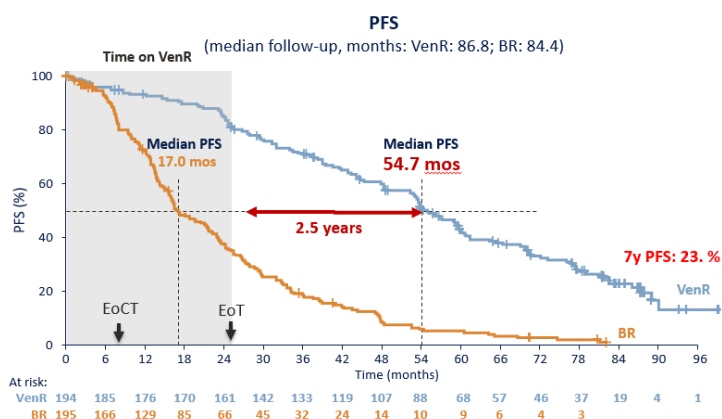
Key inclusion criteria

- 1–3 lines of prior therapy^{††}
- Prior bendamustine if DoR was ≥ 2 years
- ECOG PS ≤ 1

Characteristics		VenR (n=194)	BR (n=195)
Age ¹	Median, years (range)	64.5 (28–83)	66 (22–85)
Lymphocyte count, n (%) ¹	$\geq 25 \times 10^9/L$	129 (66.5)	134 (68.7)
del(17p)–(FISH),* n/N (%) ¹	Deleted	46/173 (26.6)	46/169 (27.2)
TP53 mutational status, n/N (%) ¹	Mutated TP53	48/192 (25.0)	51/184 (27.7)
IGHV mutational status, n/N (%) ¹	Unmutated IGHV	123/180 (68.3)	123/180 (68.3)
	Mutated IGHV	53/180 (29.4)	51/180 (28.3)
	Unknown	4/180 (2.2)	6/180 (3.3)
Number of prior therapies, n (%) ²	1	111 (57.2)	117 (60)
	2	58 (29.9)	43 (22.1)
	≥ 3	25 (12.9)	35 (17.9)

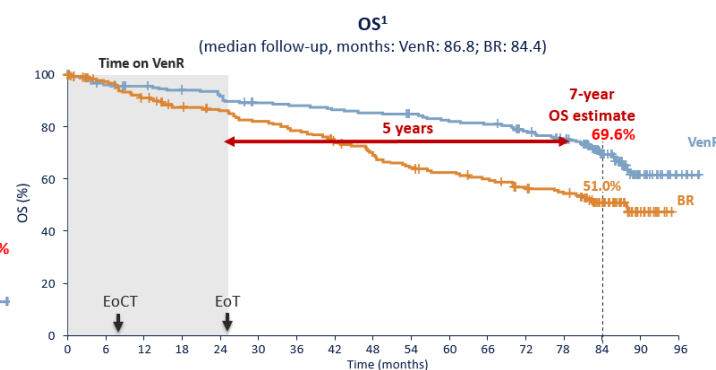
MURANO TRIAL: VR vs. BR in R/R patients with CLL: 7 years follow-up

INV-assessed PFS



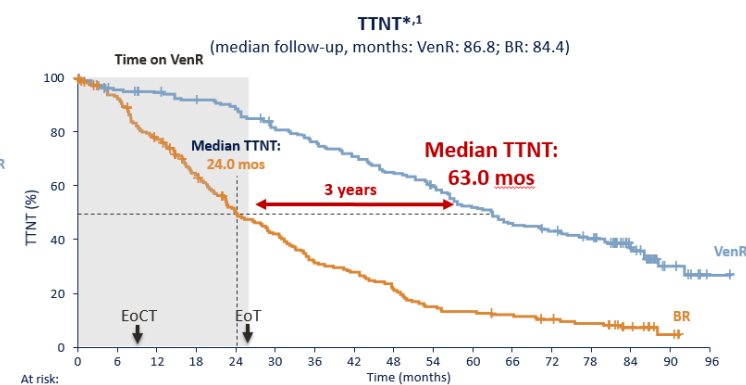
	VenR	BR
HR (95% CI)	0.23 (0.18–0.29)*	
p value	Stratified p<0.0001 [†]	
Estimated 7-year PFS, %	23.0	NE

OS



	VenR	BR
HR (95% CI) ¹	0.53 (0.37–0.74)*	
	Stratified p<0.0002 [†]	
Median OS ¹	NE	87.8

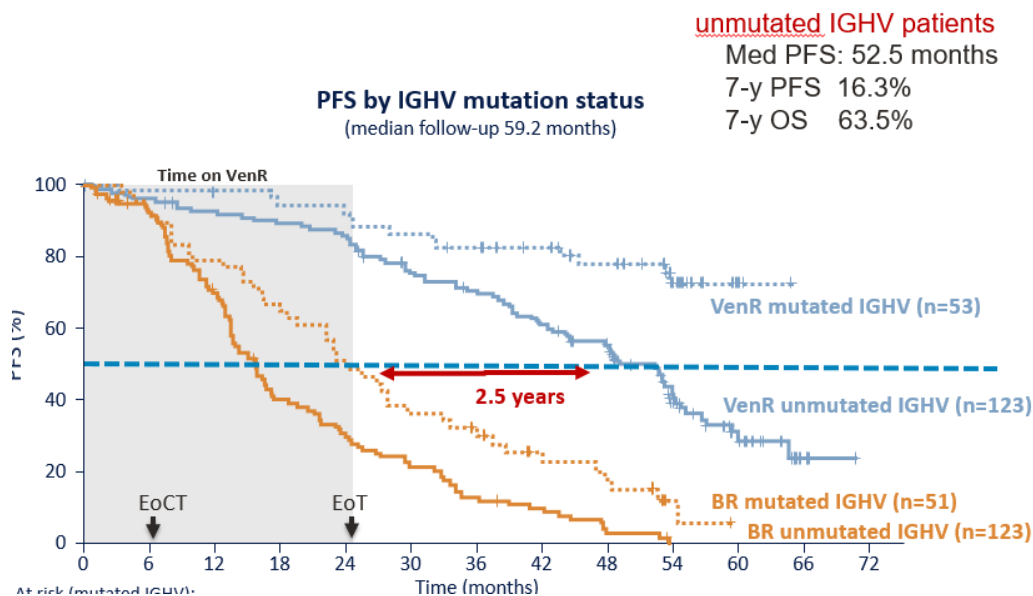
TTNT



	VenR	BR
HR (95% CI)	HR=0.30 (0.23–0.39) [†]	
p value	Stratified p<0.0001 [†]	

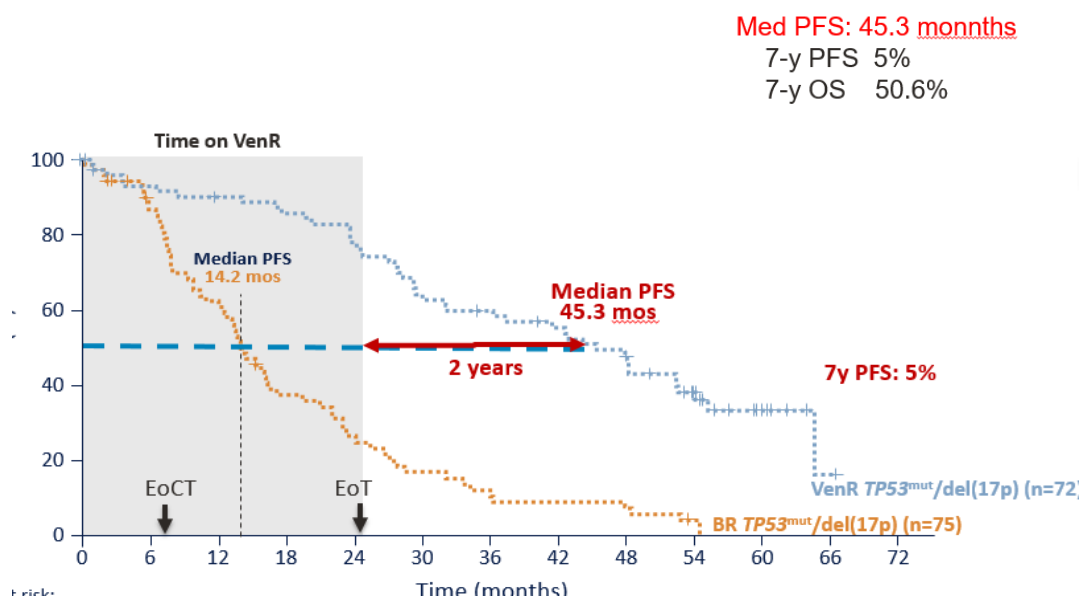
MURANO TRIAL: VR vs. BR in R/R patients with CLL: 7 years follow-up

PFS by IGHV mutation status



	VenR		BR	
	Unmutated IGHV	Mutated IGHV	Unmutated IGHV	Mutated IGHV
Unmutated IGHV vs mutated IGHV	2.96 (1.64–5.34)		1.79 (1.24–2.58)	
p value	0.0002		0.0015	
Median PFS, months	52.2	NE	15.7	24.2

PFS by TP53 deletion/mutation



	TP53 ^{mut} and/or del(17p) by FISH	
	VenR	BR
HR (95% CI)	0.26 (0.17–0.38)	

Kater et al Blood 2025



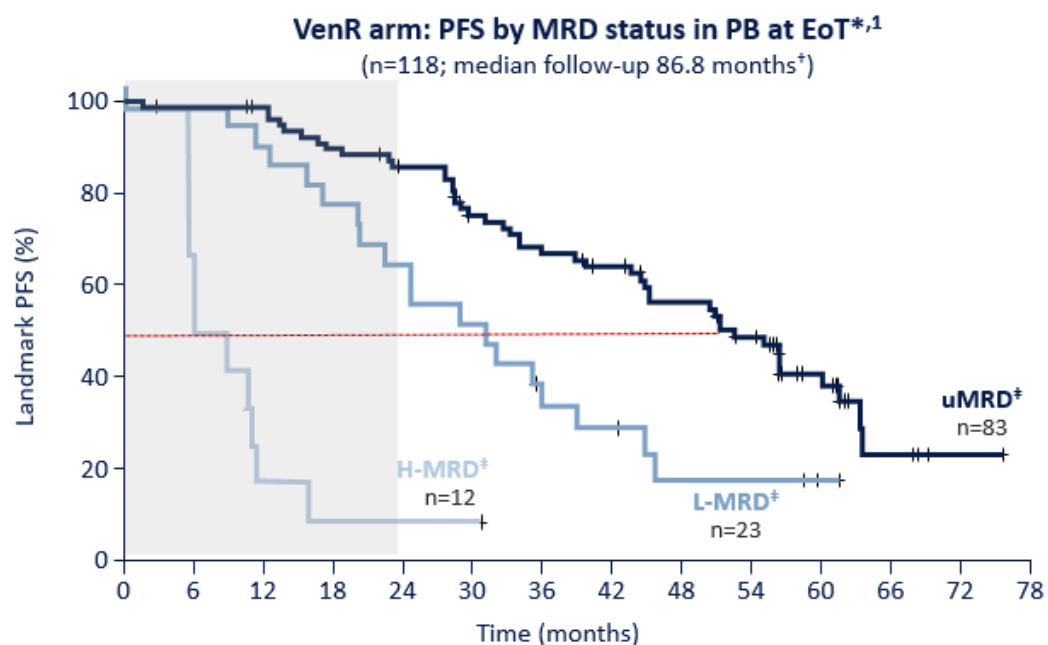
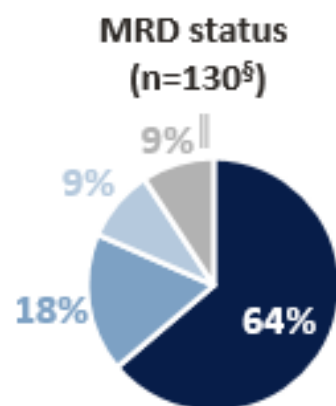
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MURANO TRIAL: VR vs. BR in R/R patients with CLL: 7 years follow-up

PFS by MRD status in PB at EoT



	uMRD	L-MRD ⁺	H-MRD ⁺
Median PFS since EoT, months (95% CI)	52.5 (44.5–61.5)	29.3 (20.2–37.5)	4.6 (2.8–8.3)

Mutations preventing effective target inhibition rare with FD therapy

Regimens with continuous BTKi

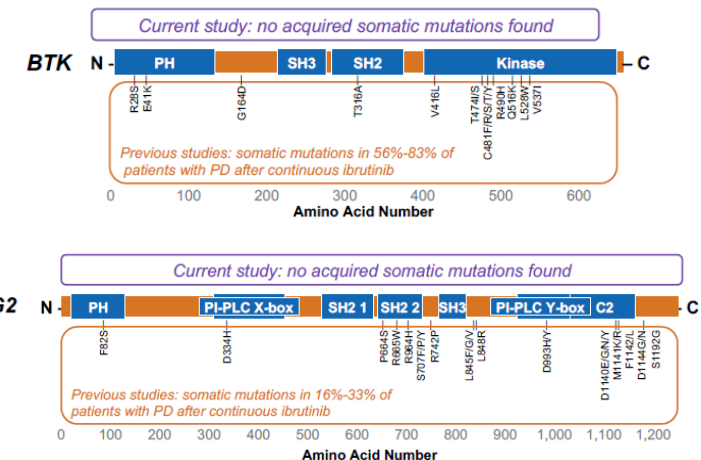
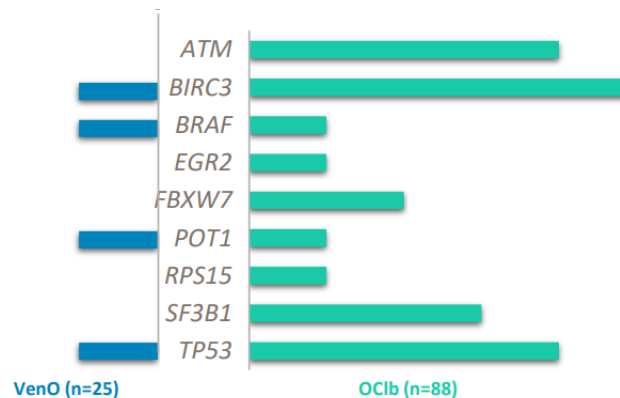
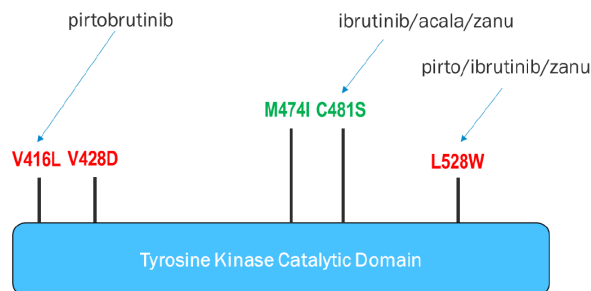
BTK mutations the dominant reason for PD CLL after cBTKi

CLL14 trial

No acquired mutations in BCL2 family genes after 12 cycles of VenO or OC1b

CAPTIVATE trial

no *BTK*, *PLCG2*, mutations in 25/29 patients with PD after 15 cycles of IV



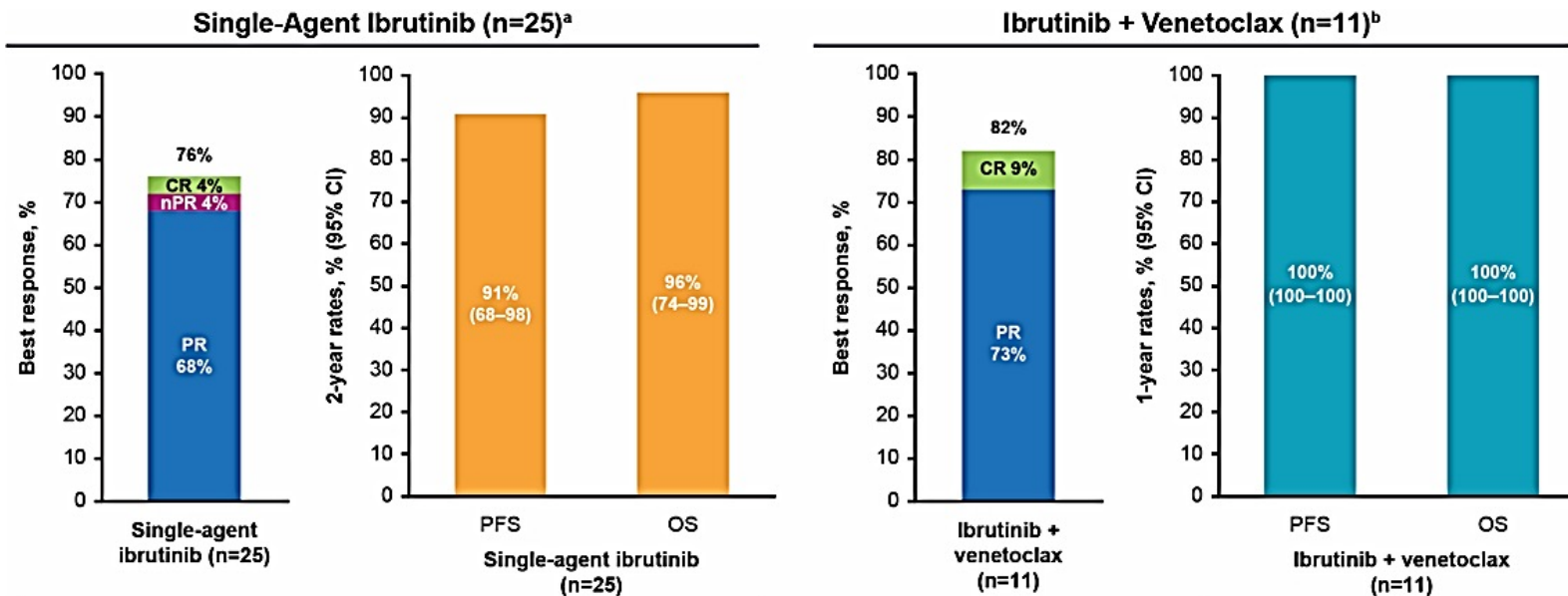
Less prolonged drug exposure = lower risk of mutations

Montoya S, Thompson MC. *Cancers*. 2023;15:3648. Blombery P et al. *Blood Adv*. 2022;6:5589-5592; Woyach J et al. *Blood*. 2024;144:1061-1068. Brown J et al. *Blood*. 2023;142 (suppl 1):1890. Jain et al. . Tausch E, et al. EHA 2021. Abstract S144 (Oral); 2. Tam CS, et al. *Blood* 2022; 139:3278–3289

CAPTIVATE-FD: RETREATMENT

No patients had resistance-associated mutations in *BTK* or *PLCG2* at PD among 53 patients with available samples

Two patients were found with a subclonal *BCL2* A113G mutation of unclear significance at PD: variant allele frequencies were only 8% and 9.3%, respectively



	Single-agent ibrutinib	FD ibrutinib + venetoclax
Median duration of follow-up, months (range)	28.4 (3.7–59.1)	15.2 (7.4–29.3)
Median duration of retreatment, months (range)	27.0 (1.1–59.1)	13.8 (6.7–18.3)

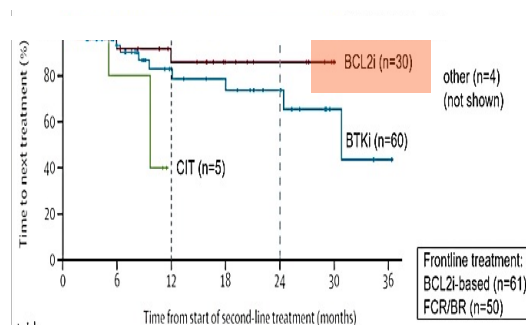
Wierda et al., EHA 2025

≥2L venetoclax-based re-treatment

Venetoclax-based CLL13

Med. Prior treatments: 1

Ven-based: N=30



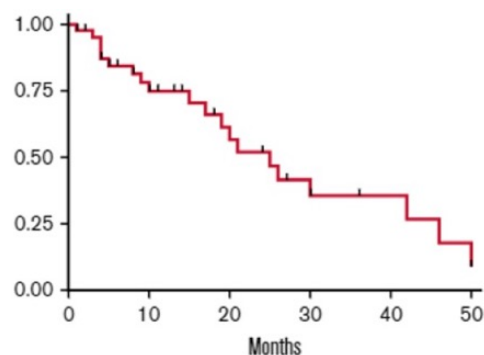
Ven-based Median-PFS: NR

Fursteneau et al.
Lancet Oncol. 2024

Venetoclax-based RW retrospective

Med. Prior treatments: 2

N=46



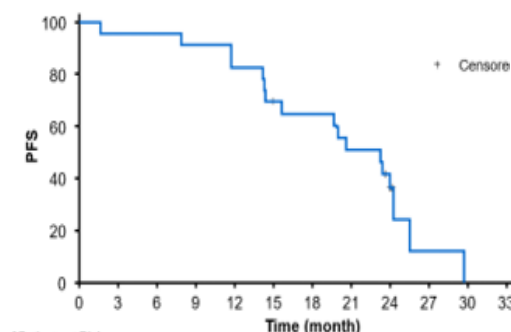
Median PFSs: 25 mo.
ORR2: 79.5%
(ORR2 in BTKi-exp: 56%)

Thompson et al.
Blood Adv 2022

Venetoclax-Rituximab MURANO

Med. Prior treatments: ≥2 (CIT)

N=25

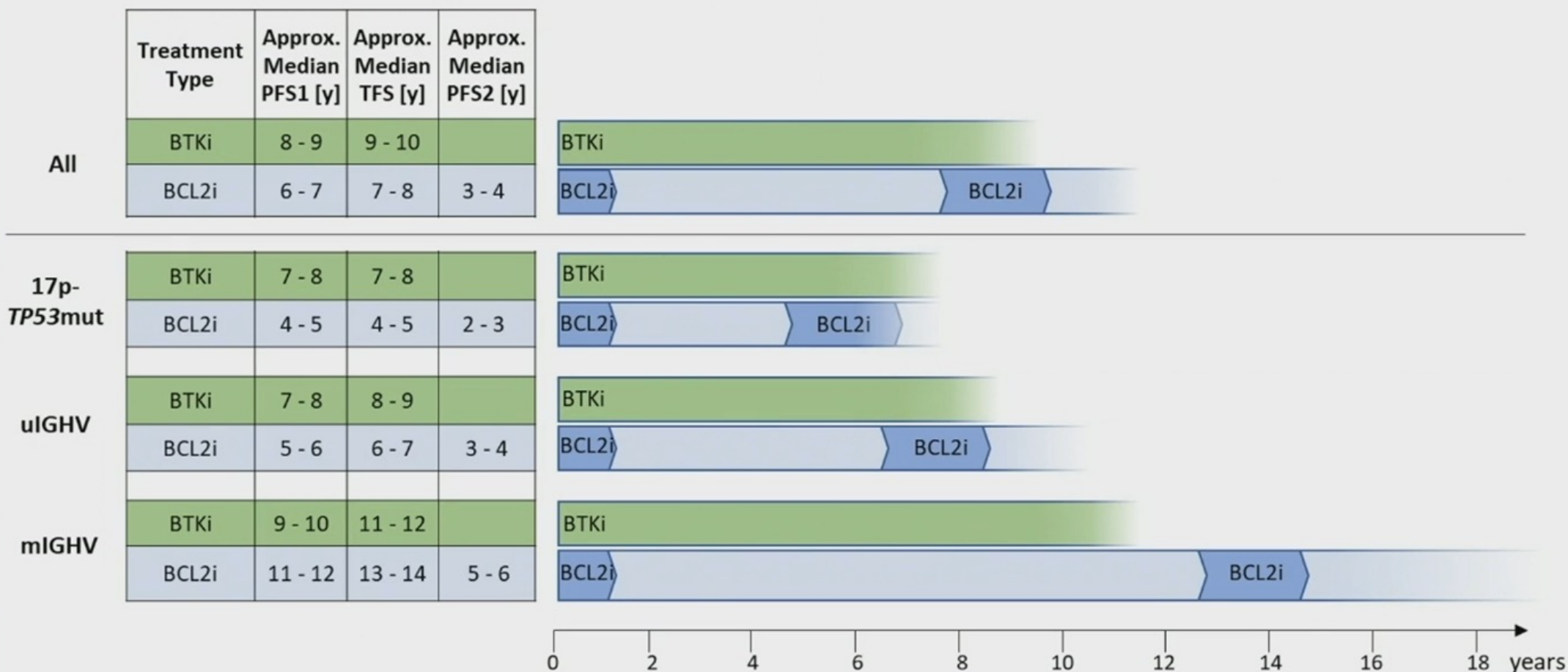


Median PFS: 23.3.mo.
ORR2: 72% (uMRD: 32%)

Kater et al.
Blood 2025

Model: Overall Time to Treatment Class Failure of the two Paradigms

- Continuous BTKi (acalabrutinib, zanubrutinib, ibrutinib)
- Finite BCL2i-based (obinutuzumab + venetoclax, ibrutinib + venetoclax)



Tausch E. Schneider C. Stilgenbauer S. Risk-stratification in frontline CLL: standard of care; ASH Education Program 2024