

Caso Clinico: Leucemia Linfatica Cronica

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RENDE (CS)

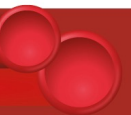
23-24 MAGGIO 2025

Università della Calabria, University Club

Highlights in
**EMATO
LOGIA**

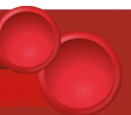
Anamnesi

- Pz maschio di 66 anni
- Forte fumatore (1 pacchetto /die)
- Sportivo , padre di 3 figli
- Madre deceduta di K colon, padre deceduto di infarto a 50 anni
- Appendicectomia a 14 anni, intervento per varicocele nel 2018
- Anamnesi: Diabete mellito di tipo II



Presentazione malattia all'esordio

- **Novembre 2019** :riscontro occasionale di linfocitosi assoluta in pieno benessere
- **Emocromo** : GB 57.5; Lymph 82.3 %; Hgb 13; PLT 153.000
- **EO**: linfadenopatia di circa 2 cm collo/ascella/inguine.
- Non organomegalie addominali apprezzabili



Presentazione malattia all'esordio

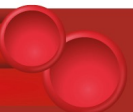
Novembre 2019:

Diagnosi occasionale di Leucemia Linfatica Cronica (Matutes 5)

Stadio RAI I / Binet A

Novembre 2019 —→ Dicembre 2021 :

FUP osservazionale con cadenza trimestrale ; mantenendo buone condizioni generali



Decorso Clinico

Dicembre 2021: progressione sintomatica della malattia, sudorazioni notturne e febbre serotina (68 Anni)

Emocromo: Hb 10.1 g/dl ; PLT 88.000/mm³ ; GB 288.000/mm³ L 92%

TAC: linfadenopatie fino a 4 cm in sede latero cervicale ed ascellare, fino a 6 cm in sede iliaca esterna bilaterale e fino a 4,5 cm in sede inguinale . Modesta epato-splenomegalia.

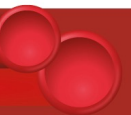
PET: captazione in tutte le sedi linfonodali con SUV medio pari a 3,7 vs SUV medio epatico di 2,2

LDH 320 (ULN 280 U/L); **Beta2** 3,1 mg/L

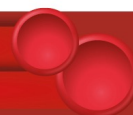
ECOG/PS : 0

Studio biologico:

FISH Non Del 17p Non evidenza di mutazioni TP53 , IGHV Non mutato

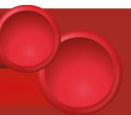


PAZIENTE IGHV NON MUTATO

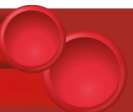
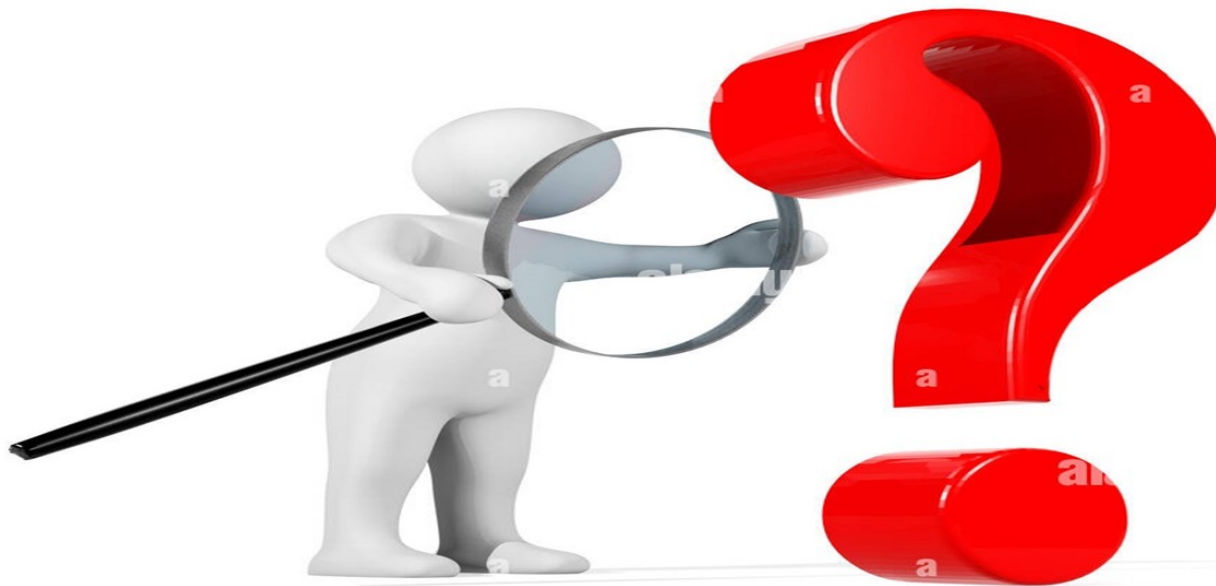


1-QUALE MIGLIORE TERAPIA PER IL PAZIENTE?

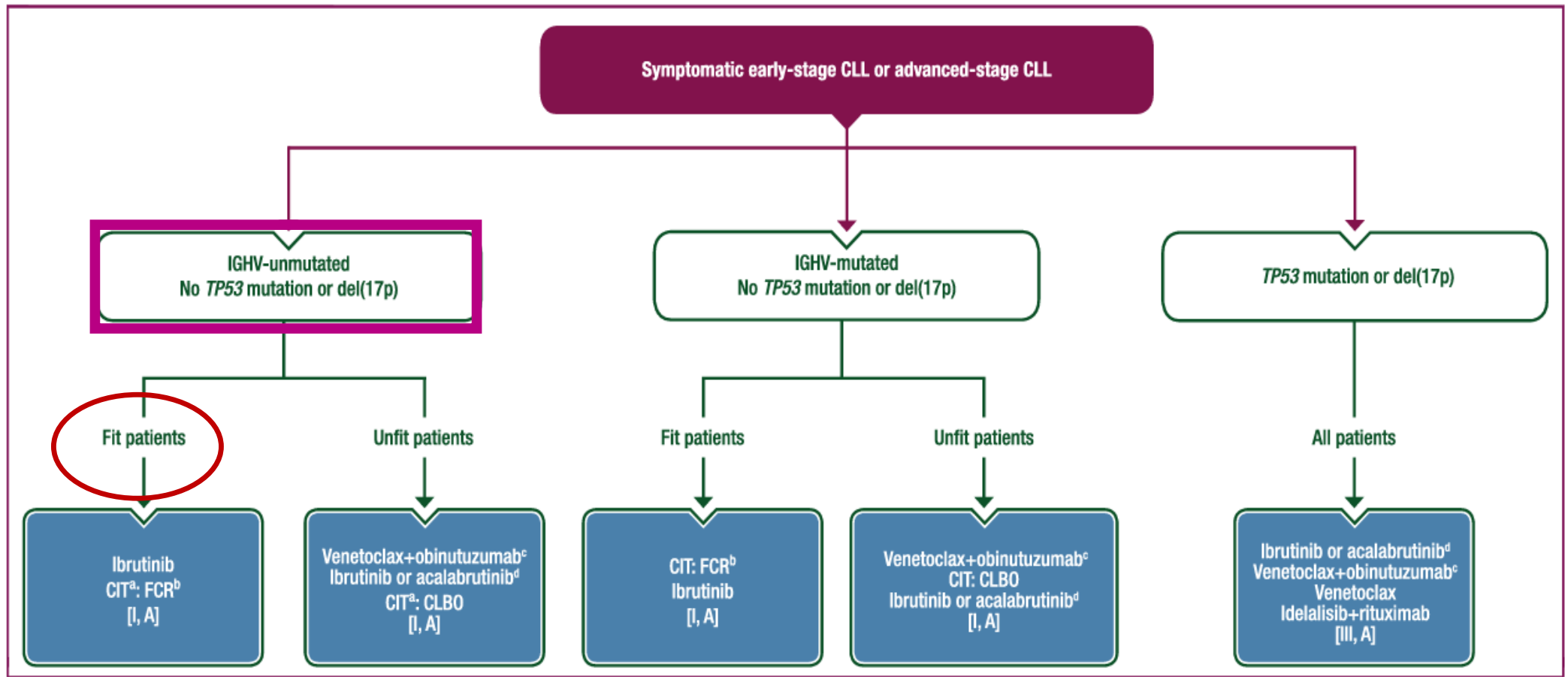
- **BTKi**
- Obinotuzumab/Venetoclax
- Chemio-immunoterapia



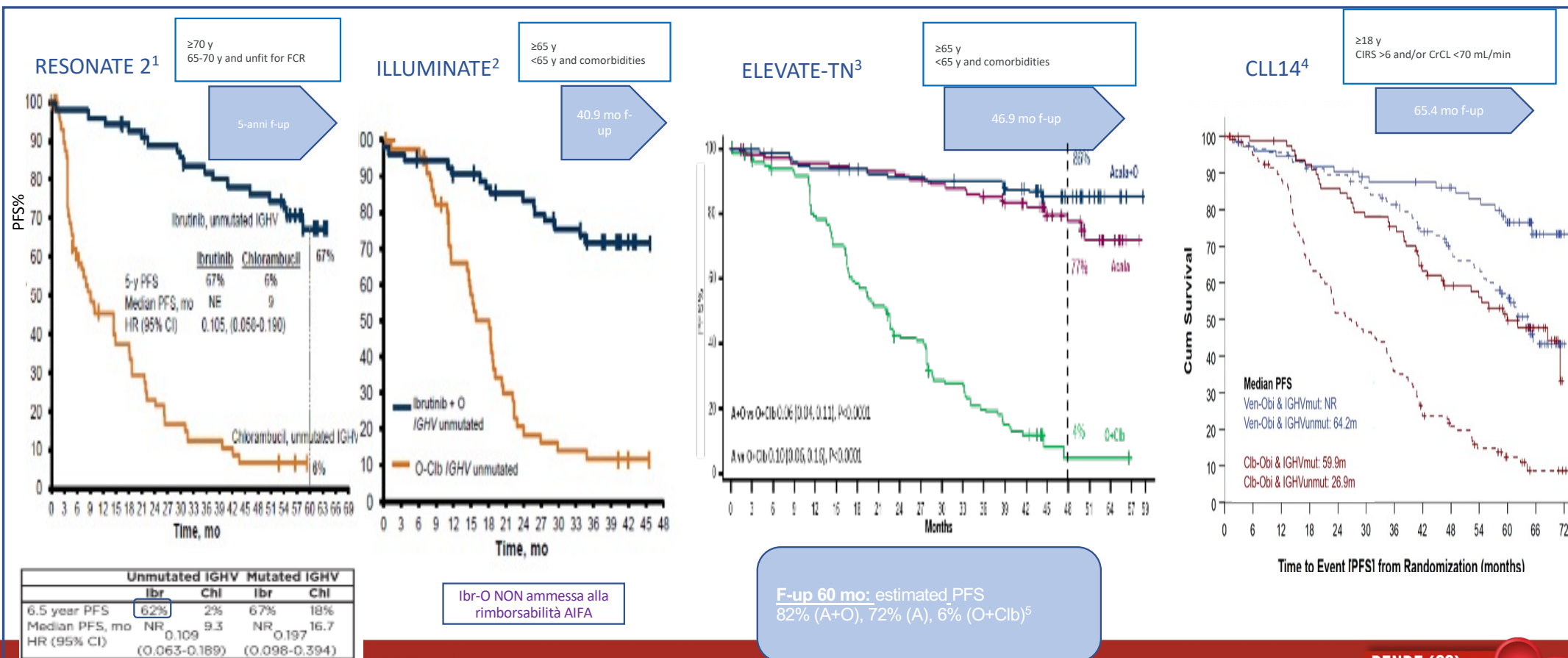
Evidence



Linee guida ESMO – *Front-line therapy*

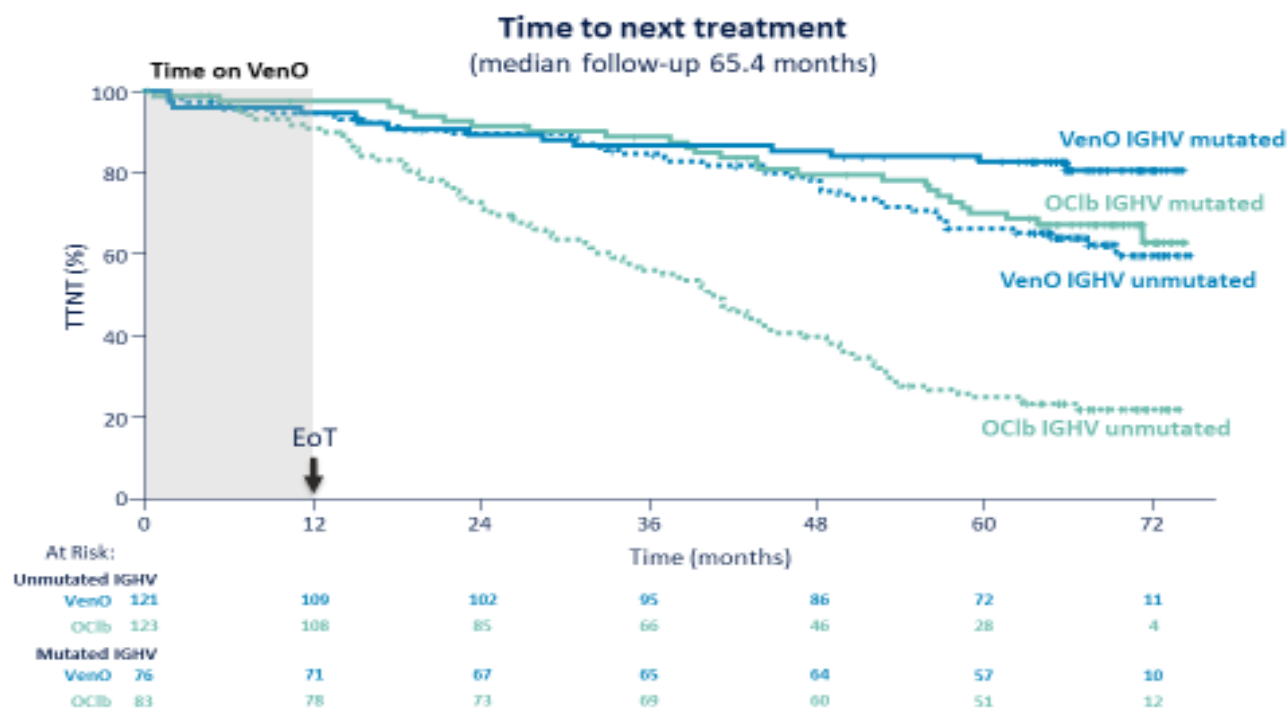


Pazienti unfit con IGHV non mutato



5-y analysis

Time to next treatment in patients by IGHV status: 5 years post-randomization



	IGHV unmutated		IGHV mutated	
	VenO	OC1b	VenO	OC1b
5-year TTNT, %	66.2	25.1	NA	NA

TTNT longer with VenO irrespective of IGHV mutational status

EoT, end of treatment; NA, not available; TTNT, time to next treatment.

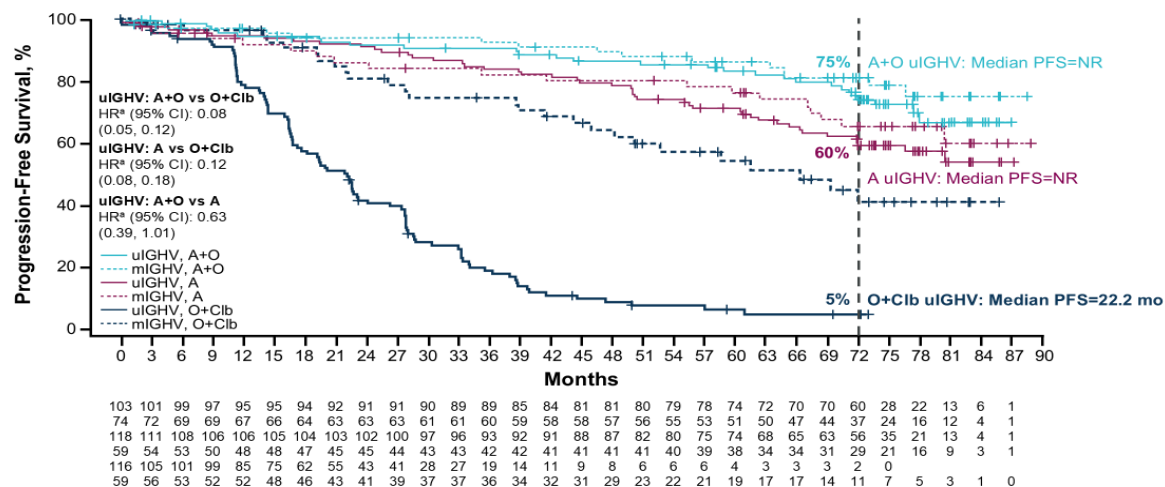
Al-Sawaf O, et al. EHA 2022. Abstract S148 (Oral).

Investigator-Assessed PFS in Patients with uIGHV



Investigator-Assessed PFS in Patients with uIGHV

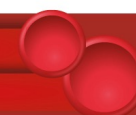
- PFS result in A-treated patients with uIGHV was consistent with overall result
- Median PFS was NR in patients with uIGHV treated with A+O and A vs. 22.2 months in O+Clb arm



*Hazard ratio was based on unstratified Cox-Proportional-Hazards model.

A = acalabrutinib; CI = confidence interval; Clb = chlorambucil; HR = hazard ratio; IGHV = immunoglobulin heavy chain variable; mIGHV = mutated IGHV; NR = not reached; O = Obinutuzumab; PFS = progression free survival; uIGHV = unmutated IGHV; vs = versus.

6 Sharman JP et al. Oral Presentation Presented at: ASH; December 9-12, 2023; San Diego.





Safety: Most Common AEs in ≥5% of Patients

- Most common AEs reported were diarrhea (43.8% [A+O] and 42.5% [A]), headache (40.4% [A+O] and 39.1% [A]), and arthralgia (36.0% [A+O] and 27.4% [A])
- The most common AE profile was consistent with the earlier analyses as summarized in the table below.

AEs ^a	A+O (n=178)		A (n=179)	
	Any Grade	Grade ≥3	Any Grade	Grade ≥3
Diarrhea	78 (43.8)	11 (6.2)	76 (42.5)	1 (0.6)
Headache	72 (40.4)	2 (1.1)	70 (39.1)	2 (1.1)
Arthralgia	64 (36.0)	4 (2.2)	49 (27.4)	2 (1.1)
Neutropenia	61 (34.3)	55 (30.9)	23 (12.8)	21 (11.7)
Fatigue	55 (30.9)	4 (2.2)	43 (24.0)	2 (1.1)
Cough	50 (28.1)	1 (0.6)	45 (25.1)	1 (0.6)
COVID-19	44 (24.7)	16 (9.0)	38 (21.2)	13 (7.3)
Thrombocytopenia	26 (14.6)	15 (8.4)	16 (8.9)	6 (3.4)
Pneumonia	25 (14.0)	13 (7.3)	27 (15.1)	11 (6.1)
Hypertension	17 (9.6)	8 (4.5)	19 (10.6)	9 (5.0)
Syncope ^b	12 (6.7)	9 (5.1)	5 (2.8)	4 (2.2)

Data are n (%) unless otherwise specified.

^aAny-grade AEs in ≥30% of acalabrutinib-treated patients or grade ≥3 in ≥5% of acalabrutinib-treated patients. ^bCardiac-related syncope events were reported separately.

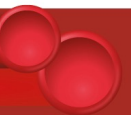
A = acalabrutinib; AEs = adverse events; Clb = chlorambucil; O = Obinutuzumab.

Sharman JP et al. Oral Presentation Presented at: ASH; December 9-12, 2023; San Diego.

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SCELTA TERAPIA DI I linea

- Profilo di Tollerabilità migliore di Ibrutinib
- Compliance
- Effetti collaterali lievi cefalea transitoria ,nessuna tossicità cardiovascolare



Decorso Clinico

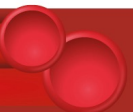
Dicembre 2021: Inizia terapia con Acalabrutinib 100 mg BID

Emocromo (Marzo 22) Gb 332.3 di cui Neu 7.4, Ly 417.7, PLT 181, Hb 9.4

Emocromo (Maggio 22) Gb 300.2 di cui Neu 4.1, Ly 287, PLT 123, Hb 10

Emocromo (Agosto 22) Gb 164.2 di cui Neu 3.8, Ly 156.2, PLT 146, Hb 12

- Settembre 2023 : Gb 12,540, N 4500, PLT 188.000, Hb 13



Recidiva ed evoluzione genetica

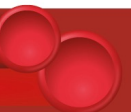
Dicembre 2023 (70 anni):

Ripresa della linfocitosi e astenia marcata

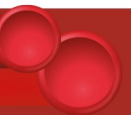
Emocromo : Gb 88.2 di cui Neu 3.8, Ly 83.2, PLT 76, Hb 10

Rivalutazione molecolare : TP53 Mut.

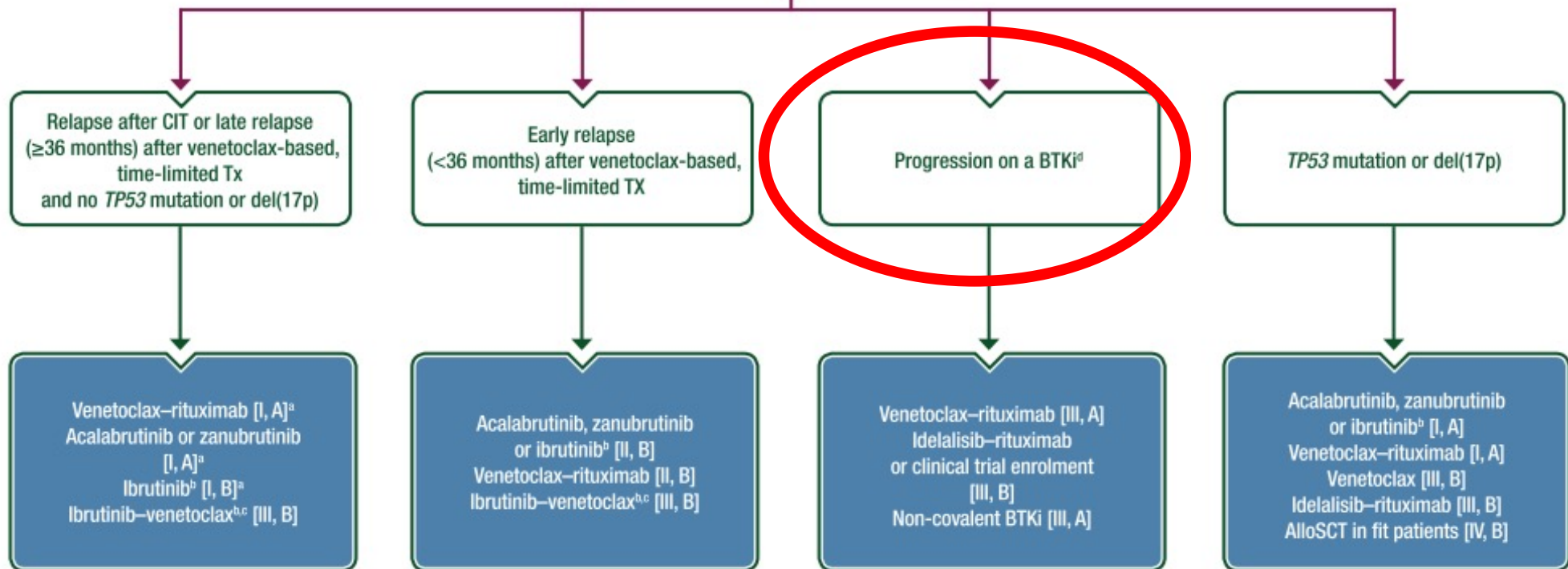
Rivalutazione citogenetica: del17p



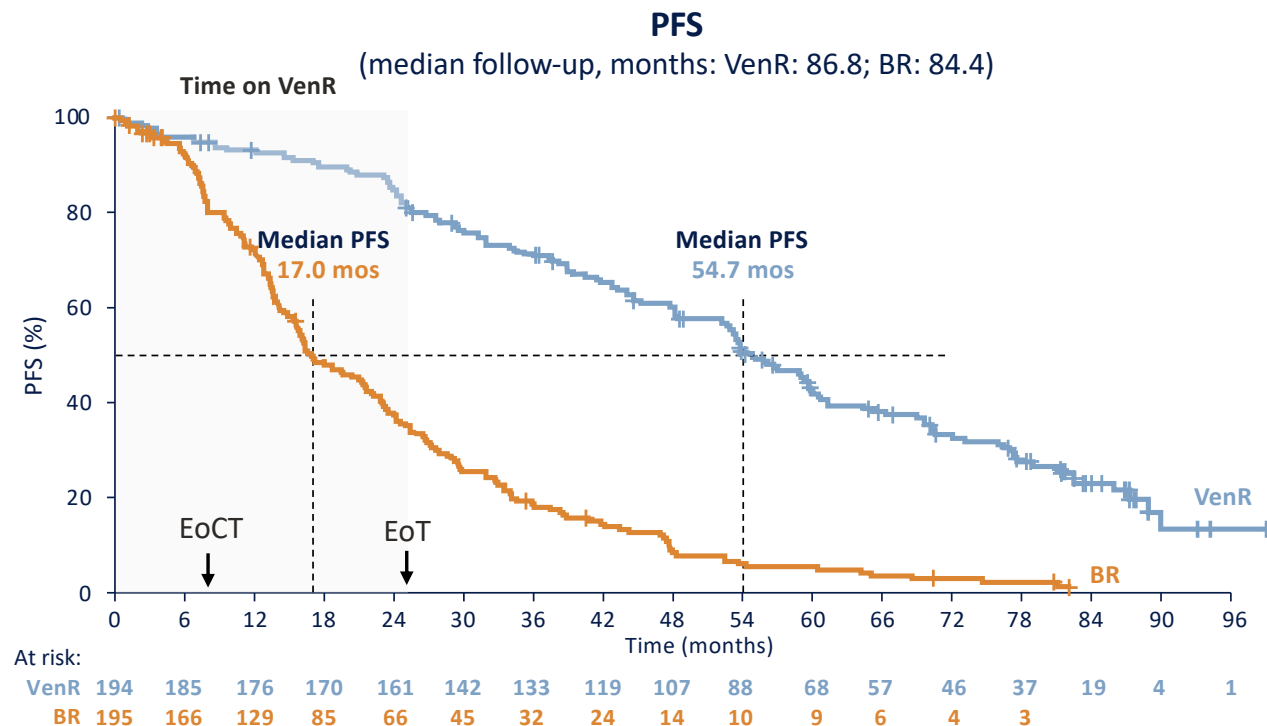
PAZIENTE
IGHV NON MUTATO, TP53 MUTATO



Symptomatic relapsed CLL



PFS at the final analysis



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

PFS benefits were sustained 5 years after completing VenR, with a 77% reduction in the risk of progression or death vs BR; 50% of VenR patients were without progression approximately 2.5 years after completion of treatment

* Stratified HR presented, unstratified HR=0.25; [†] p values are descriptive only.

EoCT, end of combination treatment; EoT, end of treatment; FTD, fixed-treatment duration; mos, months; NE, not estimable.

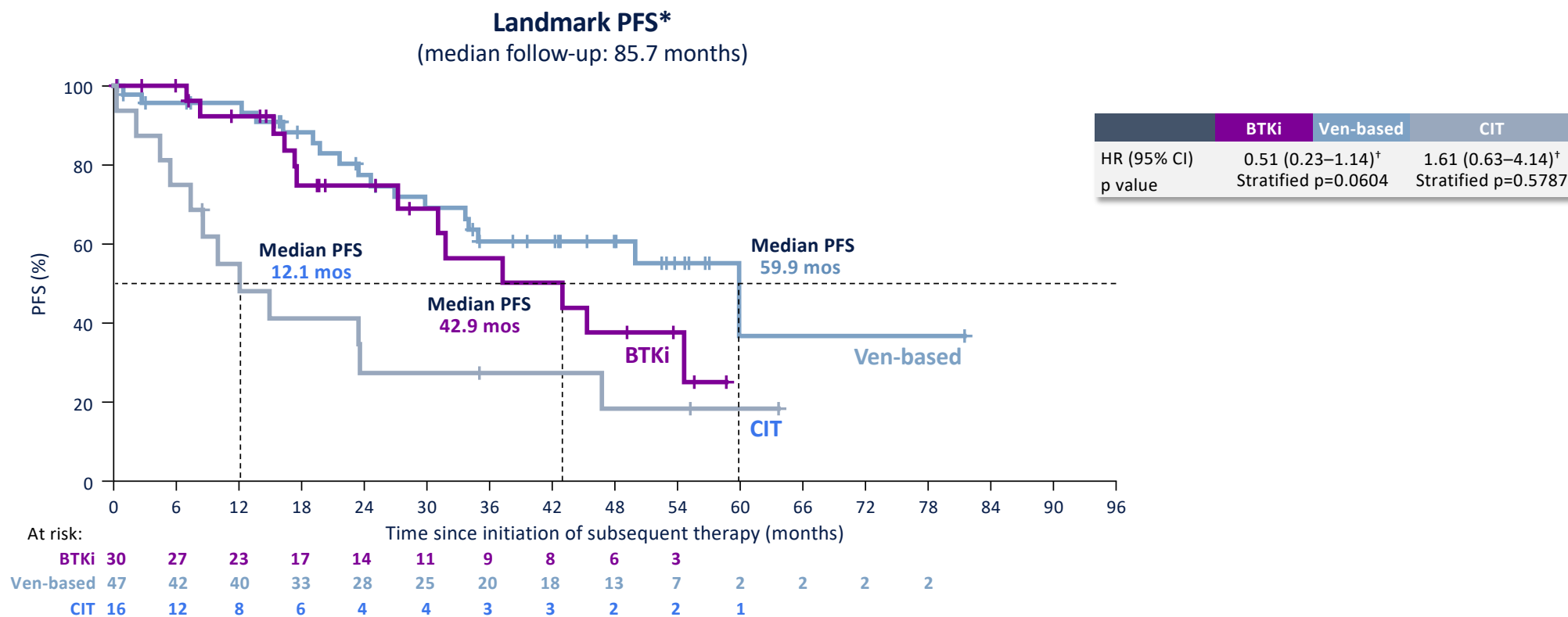
Highlights in **HEMATOLOGY**

Kater A, et al. EHA 2023, Abstract S201 (Oral).

LENDA (CS)
23-24 MAGGIO 2025

7-y analysis

PFS for patients in the VenR arm who received a subsequent therapy by treatment type



In patients initially treated with VenR, re-treatment with Ven-based regimens prolonged PFS vs those who received subsequent BTKi or CIT

* Landmark (time zero) taken at initiation of next-line therapy; [†] Stratified HR presented.
BTKi, Bruton's tyrosine kinase inhibitor; CIT, chemimmunotherapy.

Highlights in **HEMATOLOGY**

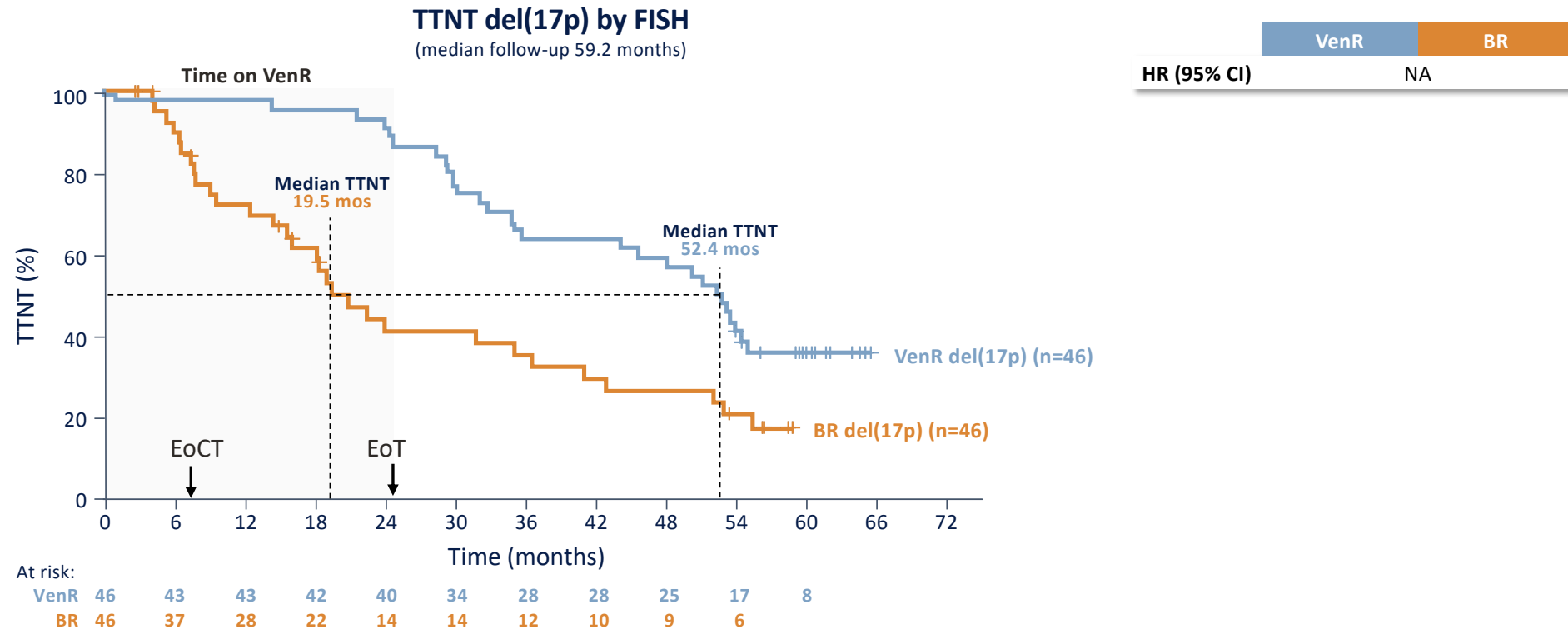
Harrup R, et al. ASH 2023 Abstract P1898 (Poster).

23-24 MAGGIO 2025

ORAL (CS)

5-y analysis

TTNT in patients with del(17p)



In the VenR arm, patients with del(17p) had a median TTNT of 52.4 months (~2.5 year treatment-free period) vs 19.5 months (~6 months prior to EoT) in the BR arm

B, bendamustine; EoCT, end of combination treatment; EoT, end of treatment; FISH, fluorescent in situ hybridization; mos, months; NA, not available; R, rituximab; TTNT, time to next treatment; Ven, venetoclax.

Highlights in **HEMATOLOGIA**

LENDE (88)
AbbVie. Data on file. ABVRRTI71439.
23-24 MAGGIO 2025

5-y analysis

PFS by subgroup 3 years after completion of treatment

EMA Summary of Product Characteristics

Subgroup PFS 5-year analysis		Total N	VenR (n=194)		BR (n=195)		Hazard ratio*	95% CI	VenR favored	BR favored
		n	Median (months)	n	Median (months)					
All patients		389	194	53.6	195	17.0	0.21	(0.16–0.27)		
Age group	<65	186	97	49.0	89	15.4	0.20	(0.14–0.29)		
	≥65	203	97	57.0	106	21.7	0.20	(0.14–0.30)		
No. of prior regimens	1	228	111	54.0	117	16.4	0.18	(0.13–0.26)		
	>1	161	83	53.1	78	18.6	0.25	(0.17–0.38)		
Bulky disease (LN with the largest diameter)	<5 cm	197	100	53.8	97	16.6	0.21	(0.14–0.30)		
	≥5 cm	172	84	48.4	88	15.8	0.19	(0.13–0.29)		
del(17p) by FISH	Normal	250	127	55.1	123	21.6	0.19	(0.13–0.27)		
	Abnormal	92	46	47.9	46	14.6	0.27	(0.16–0.45)		
del(11q)	Normal	217	112	53.7	105	22.1	0.24	(0.17–0.34)		
	Abnormal	125	61	53.8	64	15.7	0.16	(0.10–0.26)		
IGHV	Mutated	104	53	NE	51	24.2	0.14	(0.07–0.26)		
	Unmutated	246	123	52.2	123	15.7	0.19	(0.13–0.26)		
TP53 mutation and/or del(17p) by FISH	Unmutated	201	106	56.6	95	22.9	0.18	(0.12–0.26)		
	Mutated	147	72	45.3	75	14.2	0.26	(0.17–0.38)		

1/100 1/10 1 10 100

With FTD VenR, a consistent PFS benefit vs BR was observed across all prespecified subgroups, including patients with *TP53* aberrations

* Unstratified HR. B, bendamustine; FISH, fluorescent *in situ* hybridization; FTD, fixed treatment duration; IGHV, immunoglobulin heavy chain variable region; LN, lymph node; R, rituximab; Ven, venetoclax.

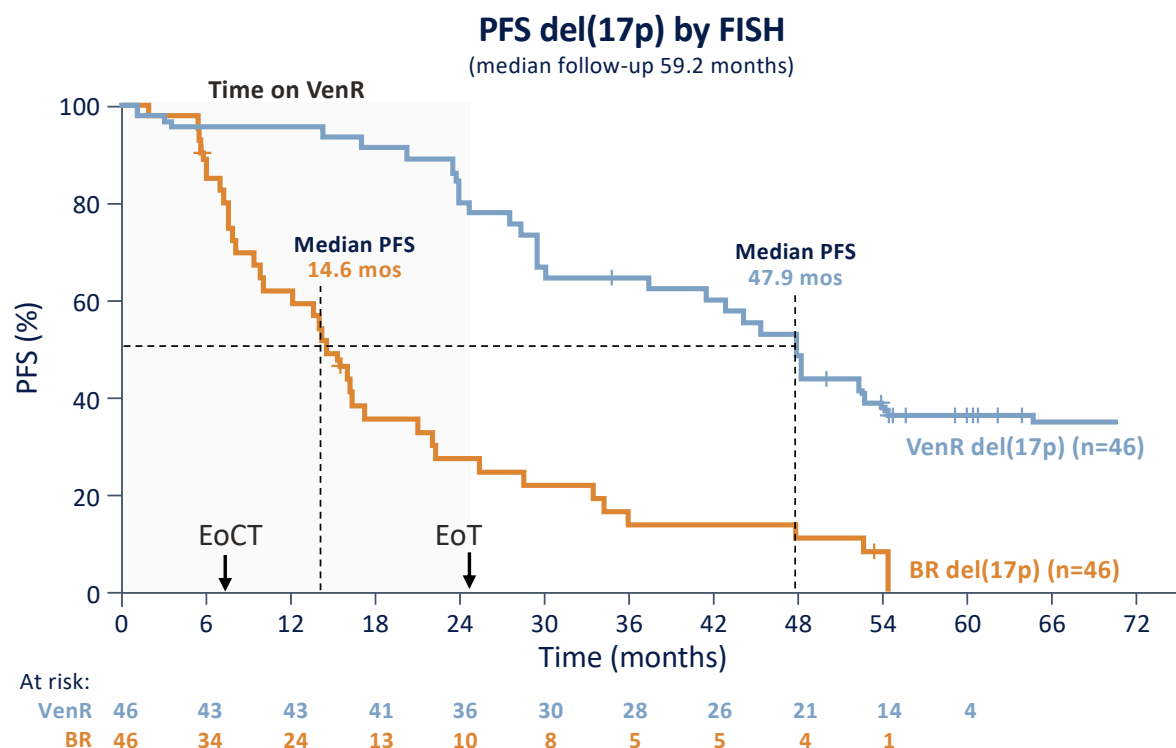
Highlights in **HEMATOLOGY**

VENCLYXTO® (venetoclax). EMA SmPC (accessed August 2022).

23-24 MAGGIO 2025

5-y analysis

PFS in patients with del (17p) 3 years after completion of treatment



	del(17p) by FISH	
	VenR	BR
HR (95% CI)	0.27 (0.15–0.46)	

PFS benefits were sustained 3 years after completing VenR in patients with del(17p) by FISH, with a 73% reduction in the risk of progression or death vs BR; 50% of VenR patients with del(17p) by FISH were without progression approximately 2 years after completion of treatment

B, bendamustine; EoCT, end of combination treatment; EoT, end of treatment; FISH, fluorescent *in situ* hybridization; FTD, fixed treatment duration; mos, months; R, rituximab; Ven, venetoclax.

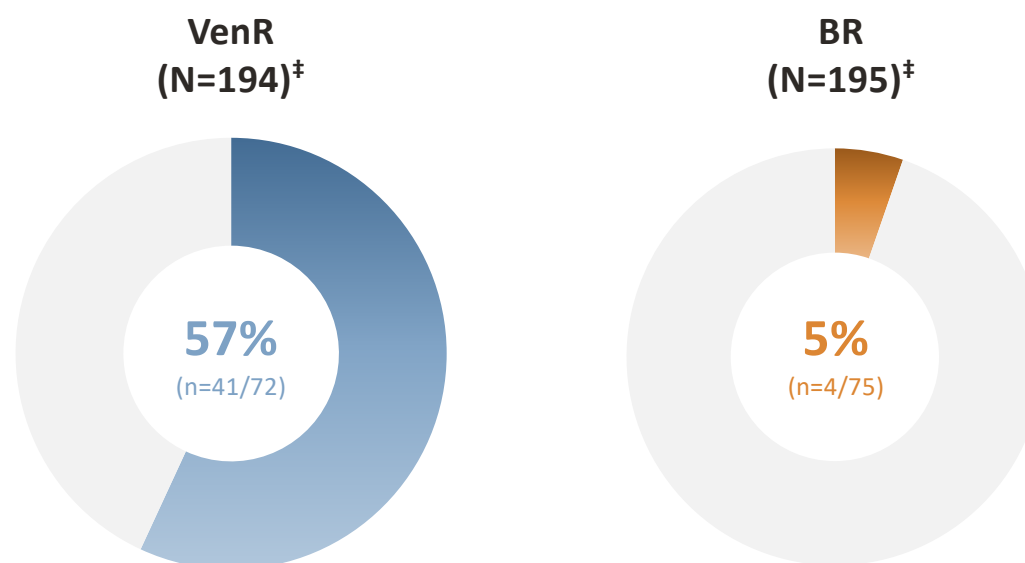
AbbVie. Data on File. ABVRRT171439; Seymour JF, *et al.* *N Engl J Med* 2018; **378**:1107–1120 (incl. suppl.); VENCLYXTO® (venetoclax). EMA SmPC (accessed August 2022).

Highlights in **HEMATOLOGY**

23-24 MAGGIO 2025

PB uMRD rates at EoCT in patients with $TP53^{mut}$ and/or del(17p) by FISH

uMRD* in PB at EoCT[†]
for patients with $TP53^{mut}$ and/or del(17p) by FISH¹



Higher rates of uMRD were achieved with VenR vs BR at EoCT in patients with $TP53^{mut}$ and/or del(17p)

* uMRD ($<10^{-4}$) assessed centrally in PB with ASO-PCR or flow cytometry; [†] 3 mos after combination treatment completion^{1,2};

[‡] ITT population, n=72 and n=75 of whom had $TP53^{mut}$ and/or del(17p) by FISH at baseline in the VenR arm and BR arm, respectively.

B, bendamustine; EoCT, end of combination treatment; FISH, fluorescent *in situ* hybridization; ITT, intent-to-treat; PB, peripheral blood; R, rituximab; Ven, venetoclax.

1. Kater AP, et al. *J Clin Oncol* 2019; **37**:269–277;

2. Seymour JF, et al. *N Engl J Med* 2018; **378**:1107–1120.

Terapia di II linea

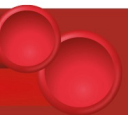
Dicembre 2023 :

Inizia rump up di Venetoclax

No TLS, no eventi avversi

Gennaio 2024: I Rituximab c 2+1

- Emocromo: Hb 11,4; WBC 6760, L 45%, PLT 110.000



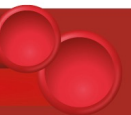
Terapia di II linea

Maggio 2025 :

No sintomi B, TC total body: Risposta Completa al Trattamento

Emocromo : Hb 13,4 gr/dl, PLT 187.000, WBC 4560 N 2450

MRD su sp Negativo



Discussione clinica: Paziente ad alto rischio

- TP53 mutato = elevato rischio di progressione futura
- Risposta attuale ottima, ma monitoraggio stretto necessario
- Pazienti doppio refrattari: Unmet Need

Prospettive future

- CAR-T: studi promettenti in LLC refrattaria, ma ancora in fase sperimentale
- Pirtobrutinib (LOXO-305): BTKi di nuova generazione, attivo anche in TP53
- Altri agenti in sviluppo: bispecifici
- Necessario approccio personalizzato

Conclusioni

Venetoclax-Rituximab è opzione valida post-BTKi anche con TP53

La gestione del rischio a lungo termine richiede visione proattiva

Nuove terapie come CAR-T e pirtobrutinib aprono scenari futuri concreti

Grazie per l'attenzione

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