

Progetto Ematologia Romagna

Terapia di prima linea: nuove proposte di combinazione di nuovi farmaci

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Disclosures

<u>Research Support/P.I.</u>: AbbVie, AstraZeneca, Gilead, Janssen, Novartis, Sunesis

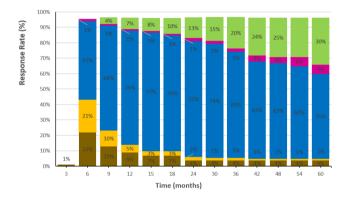
<u>Consultant</u>: AbbVie/PCYC, AstraZeneca, Adapative, ArQule/MSD, BeiGene, Celgene/Juno/BMS, Gilead, Janssen, Loxo/Lilly, Roche

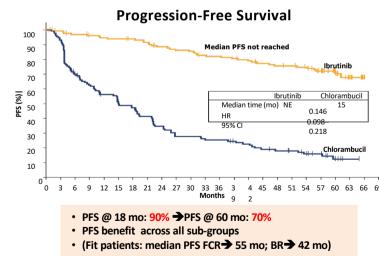
<u>Honoraria</u>: AbbVie, AstraZeneca, Adapative, ArQule/MSD, BeiGene, Celgene/Juno/BMS, Gilead, Janssen, Loxo/Lilly, Roche

<u>Scientific Advisory Board</u>: AbbVie, AstraZeneca, Adapative, ArQule/MSD, BeiGene, Celgene/Juno/BMS, Gilead, Janssen, Loxo/Lilly, Roche



Ibrutinib continuous therapy: long term follow-up





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Resonate-2: 6.5 years follow-up

Barr et al poster presentation ASCO 2021

Median follow-up of 74.9 mo (up to 7y)

Estimated 78-mo PFS rates: Ibrutinib: 61% Chlorambucil: 9%

No differences between mutated and unmutated IGHV

Increase in CR to 34%

47% of patients remain on ibrutinib

5 Giugno 2021

Burger J.A:, et al; Leukemia 2020 To be updated at ASCO 2021

IE Ahn et al. N Engl J Med 2020;383:498-500

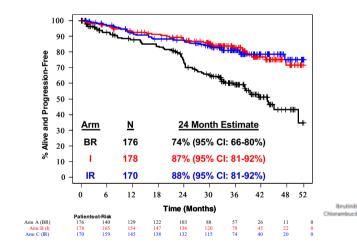
BTK inhibitors + anti-CD20 antibodies: any future?

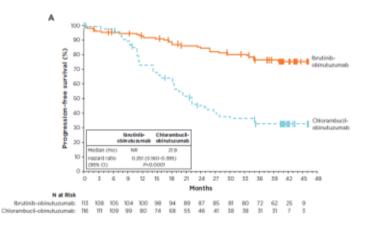
Alliance 041202: Ibrutinib +/- rituximab versus Bendamustine + rituximab

2021



ELEVATE TN (IRC): Acalabrutinib ± obinutuzumab versus chlorambucil + obinutuzumab





<u>Sharman et al poster presentation</u> <u>ASCO 2021</u> Median follow-up of 46.9 mo (or 4y) Estimated 48-mo PFS rates:

A+O: 87% A: 78% O+Clb: 25%

Increase in CR since the interim analysisA+O:21% to 27%A:7% to 11%

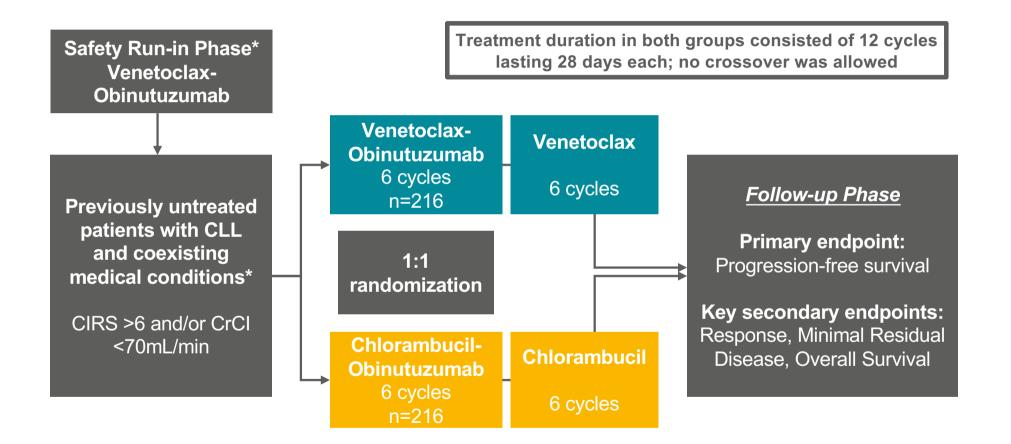
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Woyach et al., N Engl J Med 2018 379:2517-2528; Moreno C et al, 2018 Lancet Oncol; Sharman JP et al, 2020 Lancet

CLL 14: Venetoclax + obinutuzumab

Study design

2021



5 Giugno 2021

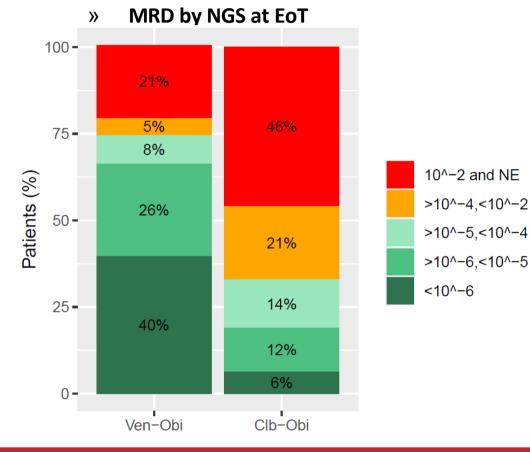
*patients with TP53 deletion or mutation were enrolled at the investigator's discretion

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Fischer et al., ASH 2019; abstract 36; Fischer et al., N Engl J Med 2019; 380:2225-36

2021

CLL 14: Venetoclax + obinutuzumab MRD results



The CLL14 trial demonstrated very high rates of uMRD *after* **12 cycles of Venetoclax-Obinutuzumab**.

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Fischer et al, N Engl J Med, 2019; Al-Sawaf et al, Lancet Oncol, 2020

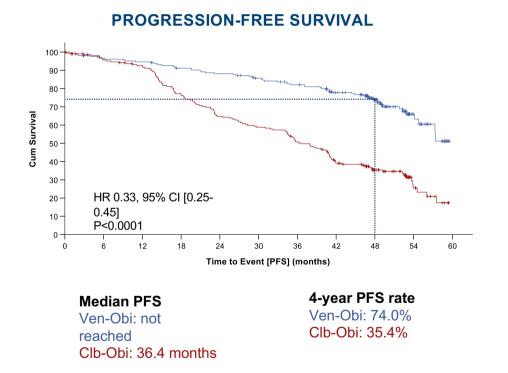
²⁰²¹ CLL 14: Venetoclax + obinutuzumab 4-year follow-up

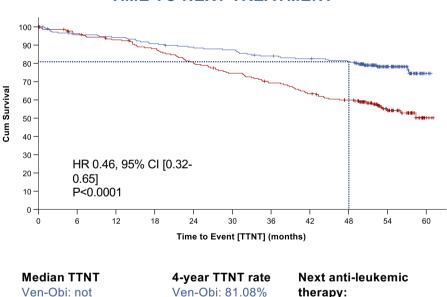
MEDIAN OBSERVATION TIME 52.4 MONTHS

reached

reached

Clb-Obi: not





Clb-Obi: 59.9%

TIME TO NEXT TREATMENT

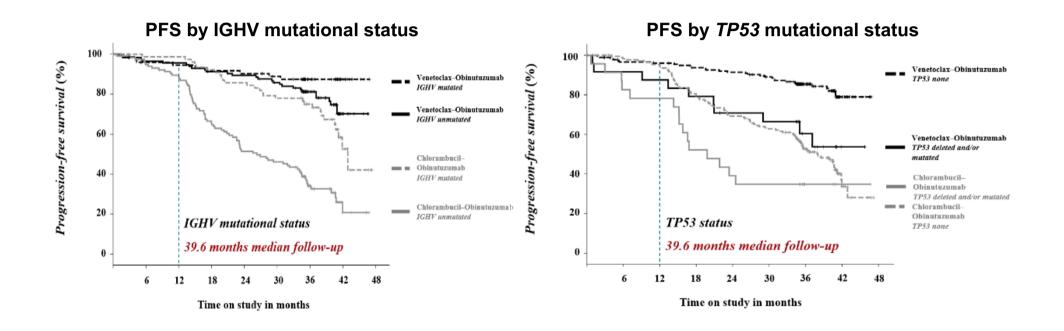
Al-Sawaf et al., ASH 2020; abstract 127 (oral)

Ven-Obi: 35 PDs - 17 NLT

Clb-Obi: 122 PDs - 70 NLT

Venetoclax+Obi: si specifica che si fa riferimento ad una indicazioni terapeutica approvata da EMA in data 09/03/2020. Tale indicazione non è ancora rimborsata dal SSN

CLL 14: Venetoclax + obinutuzumab PFS in high-risk patients



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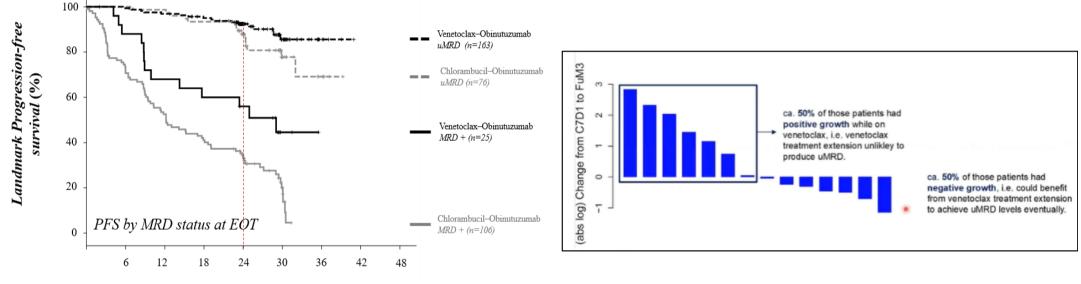
2021

Fischer et al., ASH 2019; abstract 36; Fischer et al., N Engl J Med 2019; 380:2225-36



CLL 14: Venetoclax + obinutuzumab





Time on study after last treatment in months

Al-Sawaf et al., ASH 2020; abstract 127 (oral) ; Fischer et al. ASH 2019 Abstract 36

MDACC: Ibrutinib-Venetoclax combination in frontline

80 patients enrolled with a median follow-up of 36.3 months

Baseline characteristics			
		n (%) or median [range]	
Age, years	≥65 ≥70	65 [26-83] 43 (54) 24 (30)	
Gender, M		57 (71)	
ALC, K/µL PLT, K/µL HGB, g/dL		75.6 [1.14-338] 130 [28-334] 11.6 [7.7-15.8]	
B2M, mg/L		3.5 [1.7-13.7]	
FISH	Del(17p) Del(11q) Trisomy 12 Negative Del(13q)	14 (18) 20 (25) 17 (21) 10 (12) 19 (24)	
IGHV status (n=76)	Unmutated	63 (83)	
Cytogenetics (n=78)	Complex Diploid	12 (15) 32 (41)	
Mutations (n=79)	TP53 NOTCH1 SF3B1 BIRC3	11 (14) 22 (28) 18 (23) 5 (6)	

2021

Marrow MRD response at serial time points (n=80) 8 10 11 14 14 17 90% 7 12 18 6 19 80% 16 26 70% 24 34 60% 40 50% 58 409 30% 56 48 20% 38 10% 0% 3 mo VEN+IBR 6 mo VEN+IBR 9 mo VEN+IBR 12 mo VEN+IBR 18 mo VEN + IBR 24 mo VEN + IBR Best response BM U-MRD4 % BM Low+ MRD % BM High+ MRD % Off study

- Marrow U-MRD4 % (ITT)
- At 12 months = 56%
- At 24 months = 66%
- Best response = 75%

92% of patients had either unmutated IGHV, TP53 aberration or del(11q)

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Jain et al., 2019; N Engl J Med 380: 2095-2103; Jain et al., ASH 2020; Abstract 3138

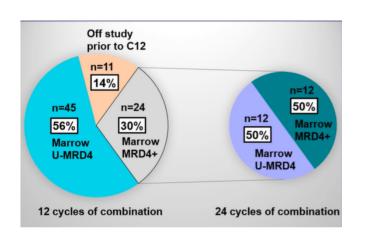


MDACC: Ibrutinib-Venetoclax combination in frontline

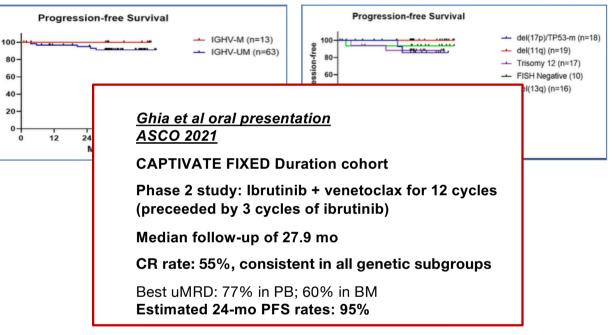
Progression-free

*

50% of marrow MRD+ at cycle 12 achieved marrow uMRD at cycle 24 with ongoing IV



- At the end of C12, 24 patients were BM MRD+
- 12/24 achieved BM uMRD at the end of C24
- Based on this data the trial has been amended to allow 12 additional cycles of IV for those who are marrow MRD+ at C24



PFS by IGHV, FISH and TP53 status

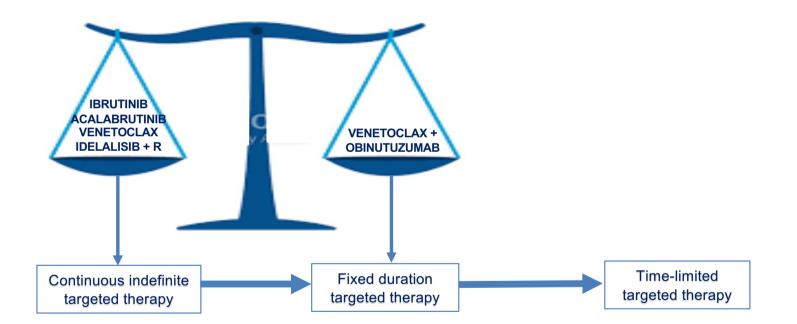
Outcomes for patients with del(17p)/TP53 mutation

- Of 13/18 patients with TP53-abberation who completed C24, BM uMRD at C12: 69%; at C24: 77%.
- 3 patients were marrow MRD+ at C24, one had Richter's transformation

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Jain et al., 2019; N Engl J Med 380: 2095-2103; Jain et al., ASH 2020; Abstract 3138





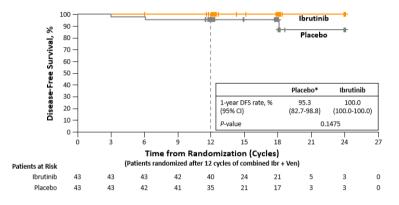
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Modified from original of S. Molica

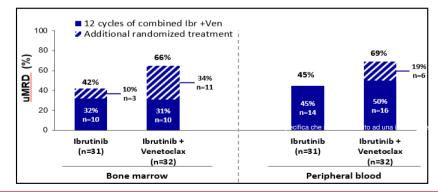


CAPTIVATE: Ibrutinib plus venetoclax *1-year disease-free survival from the MRD cohort*

Primary Endpoint: 1-year DFS after randomization in patients with confirmed uMRD (Randomized, double-blind: lbr vs Pbo)



In patients with not confirmed uMRD (Randomized: lbr vs lbr + Ven)



All Four Arms: Median follow-up on study: 31.3 months

	Confirmed uMRD		uMRD Not Confirmed	
	Placebo (n=43)	lbrutinib (n=43)	lbrutinib (n=31)	lbrutinib + Venetoclax (n=32)
30-month PFS (95% Cl)	95.3 (82.7–98.8)	100.0 (100-100)	95.2 (70.7–99.3)	96.7 (78.6–99.5)

- Prevalence of AEs was generally highest during the first 6 months of ibrutinib + venetoclax and decreased over time
- Most common gr 3/4 AEs (≥5% of pts): Neutropenia (36%), hypertension (10%), thrombocytopenia (5%), diarrhea (5%)
- 1L ibr + ven is an all-oral, once-daily, chemotherapy-free regimen with high rates of PB and BM uMRD, and a 90% reduction in high-risk TLS monitoring
- 1-yr DFS in pts randomized to placebo after ibr + ven combination was similar to that of pts continuing ibr, supporting a fixed-duration treatment that offers treatment-free remissions
- Depth of response achieved with this regimen is reflected in the 30-mo PFS rate of ~95% across all treated pts
- Safety profile of ibr + ven was consistent with known AEs for ibr and ven, and no new safety signals emerged

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Wierda et al., ASH 2020; abstract 123 (oral)

I + V + G (n=25): 14 mos Fixed	A + V + G (n=44): MRD-guided	Z + V + G (n=39): MRD-guided
Median f/u: 41.1 mos Obinutuzumab (C1-8) FD: 14 cycles Ibrutinib (C2-C14) Venetoclax (C3-C14)	Median f/u: 19 mos Obinutuzumab (C2-7) Can stop with Acalabrutinib (C1-C15) BM uMRD CR at C15	Median f/u: 14 mos Obinutuzumab (C1-8) Zanubrutinib (C1) Venetoclax (C3) PB&BM uMF
 28% uMRD CR at EOT 32% CR/CRi uMRD: 67% PB and BM (EOT) 	 31% BM uMRD CR at C16 43% CR/CRi uMRD: 84% PB, 77% BM (C16) 	 uMRD CR not reported 49% CR/CRi uMRD: 92% PB, 84% BM (best)
• 36-mos PFS and OS: 95%	 11/36 pts stopped for uMRD 	• 29 pts stopped for uMRD (~8 cycles ZVG)
 Gr 3+ decreased neutrophil (56%), decreased platelets (40%) *Study also has R/R cohort (n=25) 	 Gr 3+ neutropenia (34%), thrombocytopenia (23%) 11% received G-CSF 	 Gr 3+ neutropenia (15%), thrombocytoper (5%) 23% received G-CSF ZG lead-in reduced TLS risk



Personalized treatment in CLL







IRCCS Ospedale San Raffaele Division of Experimental Oncology



B Cell Neoplasia Unit

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TRANSCAN-2

ERIC

TRANSCAN

