

# DEBATES AND DIDACTICS in Hematology and Oncology



JULY 24 - 27, 2025 · SEA ISLAND, GEORGIA



## Disclosure Information

 Consultant: AbbVie, AstraZeneca, Autolus, Beigene, Ltd., Bristol Myers Squibb, Eli Lilly and Company, Janssen Oncology, Johnson and Johnson, Loxo Oncology, Inc. Merck, Pfizer, Pharmacyclics

 Research Support: Alliance, Caribou Bosciences, Inc., Nurix Therapeutics, Inc., Regeneron

Scientific Advisory Board: Somitomo

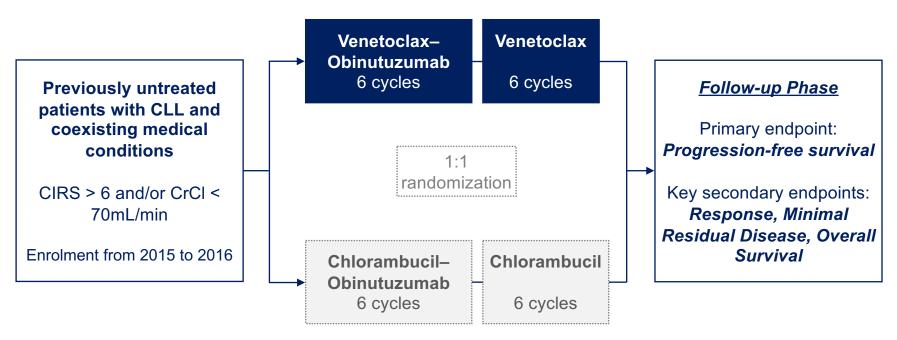
# MRD is a Useful Tool in the Management of Patients with CLL Of Course!

It is always better to have undetectable MRD than detectable MRD

- Effect size of uMRD depends on:
  - Disease characteristics (unmutated IGHV patients progress sooner than mutated)
  - Depth of uMRD (10X4 vs 10X5 vs 10x6)
  - Even in high-risk groups, it is still better to be uMRD than detectable MRD
  - It generally doesn't matter how you get there

## **CLL14 TRIAL: VEN/OBIN VS CHLOR/OBIN**



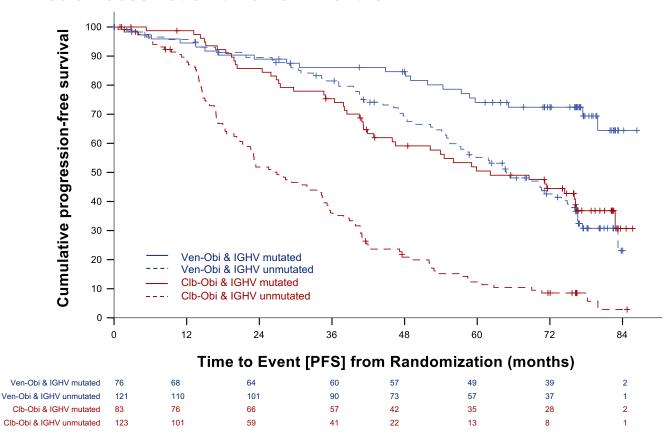


**Current median observation time: 76.4 months** 

Al-Sawaf et al EHA 2023

## PROGRESSION-FREE SURVIVAL – IGHV status

Median observation time 76.4 months

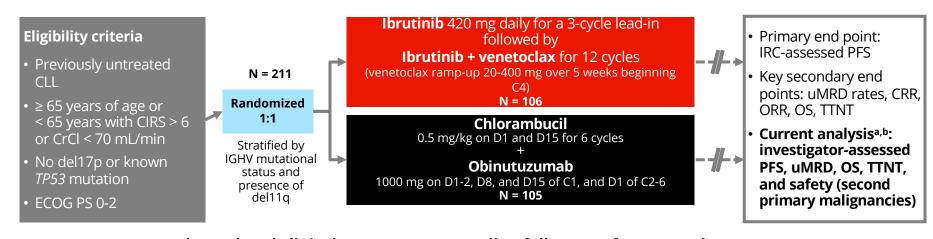


#### **Median PFS**

Ven-Obi & IGHVmut: NR Ven-Obi & IGHVunmut: 64.8 m HR 0.38, 95%CI [0.23-0.61], p<0.001

Clb-Obi & IGHVmut: 62.2 m Clb-Obi & IGHVunmut: 26.9 m HR 0.33, 95% CI [0.23-0.47], p<0.001

# GLOW: Phase 3 Study (NCT03462719) Evaluating Fixed-Duration Ibr+Ven in Previously Untreated CLL

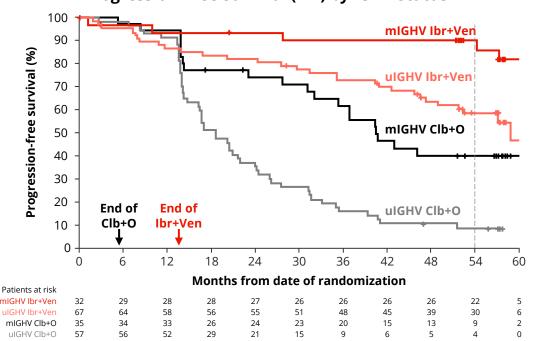


- Here we present the updated clinical outcomes at a median follow-up of 57.3 months (range, 1.7-65.2)
- Baseline characteristics (presented previously) were generally balanced between arms and reflective of an elderly and/or comorbid population<sup>1</sup>
- IGHV status at baseline:
  - Ibr+Ven arm: mIGHV 30.2%, uIGHV 63.2%
  - Clb+O arm: mIGHV 33.3%, uIGHV 54.3%

<sup>a</sup>All *p* values are nominal. <sup>b</sup>uMRD in PB by NGS via Clonoseq assay.
C, cycle (28 days); CIRS, Cumulative Illness Rating Scale score; CrCl, creatinine clearance; CRR, complete response rate; D, day; ECOG PS, Eastern Cooperative Oncology Group performance status; IRC, independent review committee; mlGHV, mutated IGHV; NGS, next-generation sequencing; ORR, overall response rate; PB, peripheral blood; ulGHV, unmutated IGHV.
1. Niemann CU. et al. *Lancet Oncol.* 2023:24:1423-1433.

# **GLOW: At 57 Months of Follow-up, Ibr+Ven Improved PFS Versus Clb+O Regardless of IGHV Status**

### Progression-Free Survival (ITT) by IGHV Status



Estimated 54-month PFS rates:

#### - Ibr+Ven:

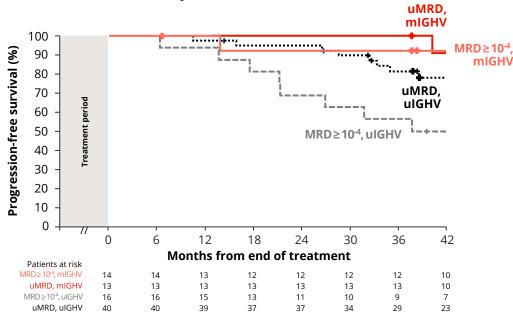
- 90% for patients with mIGHV
- 59% for patients with uIGHV

#### - Clb+O:

- 40% for patients with mIGHV
- 8% for patients with uIGHV

# **GLOW: PFS by MRD and IGHV Status for Ibr+Ven**





- With Ibr+Ven, achieving uMRD at EOT+3 is more critical for long-term PFS benefit in uIGHV versus mIGHV
- Estimated PFS rates at 42 months post treatment:

#### - mIGHV CLL:

- 91% for patients with uMRD at EOT+3
- 92% for patients with MRD ≥ 10<sup>-4</sup> at EOT+3

#### - uIGHV CII:

- 78% for patients with uMRD at EOT+3
- 50% for patients with MRD ≥ 10<sup>-4</sup> at EOT+3

<sup>&</sup>lt;sup>a</sup>Curves generated from EOT (C15 for lb+Ven, C6 for Clb+O). Investigator-assessed progression-free survival was analyzed. All patients who had MRD outcome at EOT+3 were included in this analysis; uMRD was defined as < 1 CLL cell per 10,000 leukocytes (< 10⁴). Results based on updated IGHV reclassifications.

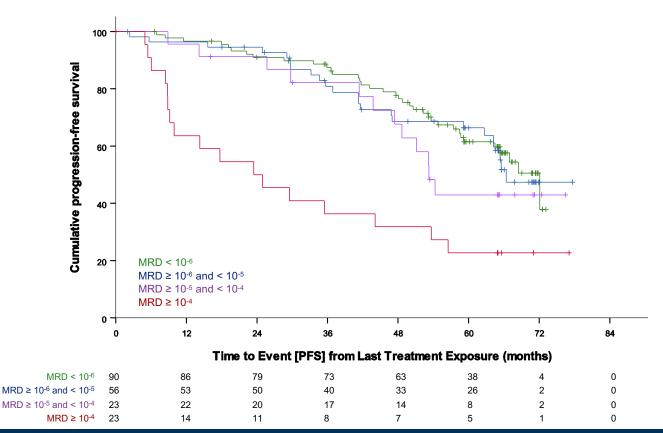
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## PFS AFTER VEN-OBI ACCORDING TO MRD STATUS

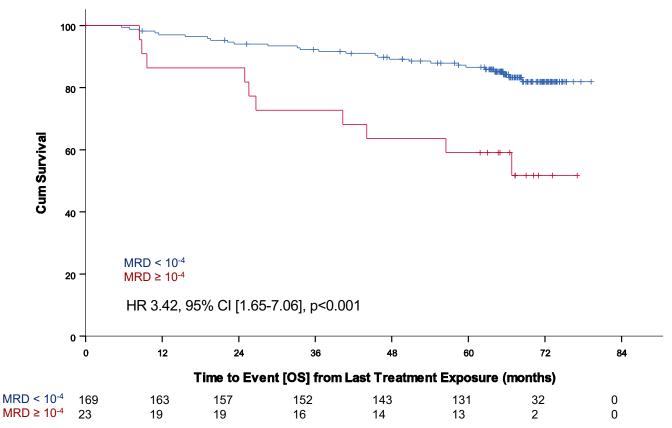
End-of-treatment MRD status in peripheral blood, by NGS



Depth of remission correlates with **long-term PFS**, indicating the prognostic value of the end-of-treatment MRD status.

## OS AFTER VEN-OBI ACCORDING TO MRD STATUS

End of treatment MRD status in peripheral blood, by NGS



Patients with MRD ≥10<sup>-4</sup> after Ven-Obi have **a shorter OS** than patients with MRD <10<sup>-4</sup>, highlighting the need for dedicated MRD-guided approaches.

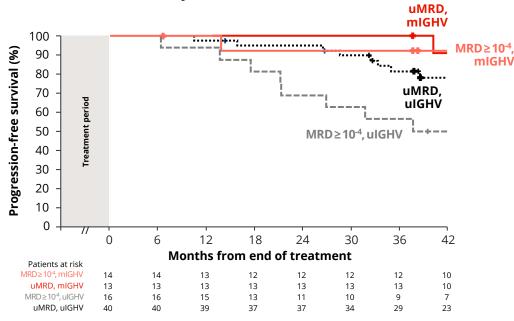
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#### - mIGHV CLL:

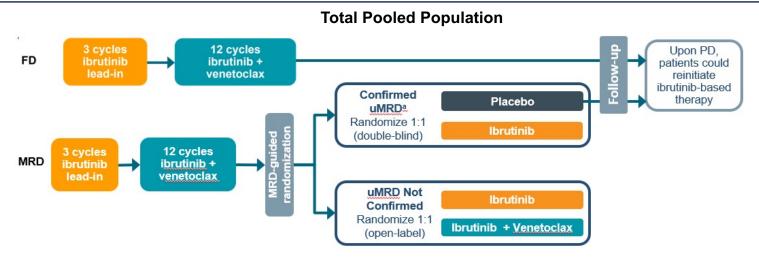
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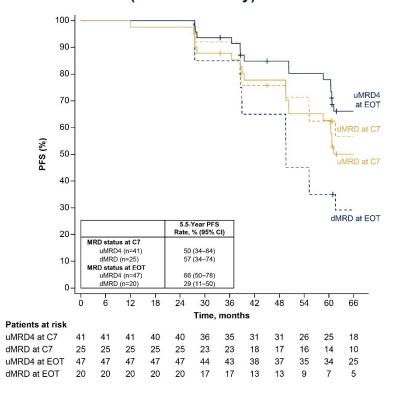
## **CAPTIVATE Study Design: FD Cohort and MRD Cohort Placebo Arm**



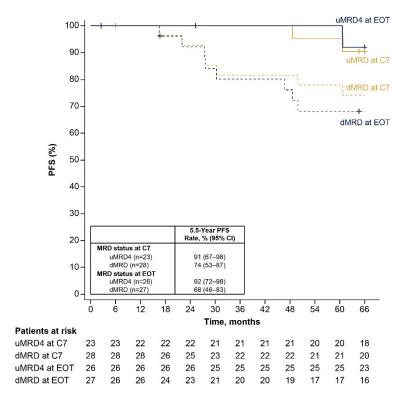
- Patients aged ≤70 years with previously untreated CLL/SLL received 3 cycles of ibrutinib, then 12 cycles of ibrutinib + venetoclax (ibrutinib, 420 mg/day orally; venetoclax, 5-week ramp up to 400 mg/day orally)
  - Patients in the FD cohort received no further treatment (n=159)
  - Patients in the MRD cohort placebo arm with confirmed uMRD4 (n=43) received 1 additional cycle of ibrutinib + venetoclax during the MRD-guided randomization, then placebo treatment
- In patients with confirmed PD, on-study retreatment included single-agent ibrutinib
  - FD cohort patients with PD occurring >2 years after EOT could be retreated with FD ibrutinib + venetoclax

# MRD Status at EOT Is Predictive of Long-Term PFS Regardless of IGHV Status (No del(17p/TP53)

# PFS by MRD Status in Patients With ulGHV (FD Cohort only)

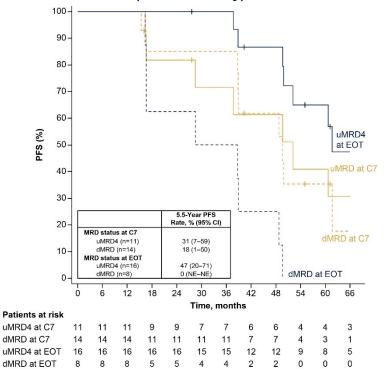


# PFS by MRD Status in Patients With mIGHV (FD Cohort only)

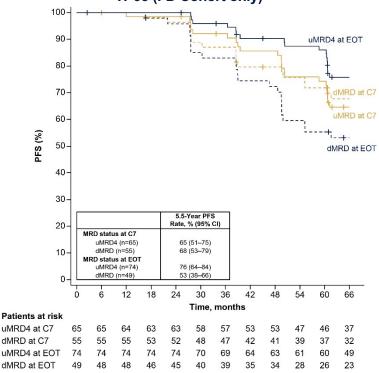


# MRD Status at EOT Is Predictive of Long-Term PFS Regardless of del(17p)/TP53 Status (FD Cohort Patients)





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



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# Study Design - GAIA/CLL13



## Key patient characteristics

Randomized patients (=ITT population): n= 926

Median age: **61 years** (range: 27-84)

Median CIRS score: **2** (range: 0-7)
Unmutated IGHV: **56%** of all patients
Complex karyotype: **17%** of all patients

Follow-up analysis (data cut-off: 01/2023)

Median observation time **50.7 months** (IQR: 44.6-57.9)

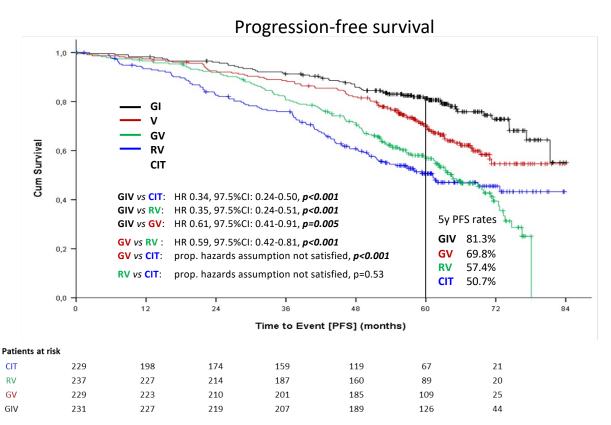
Median observation time after end of treatment

40.7 months (IQR: 34.5-47.9)

Furstenau et al ASH 2023

# Efficacy – PFS

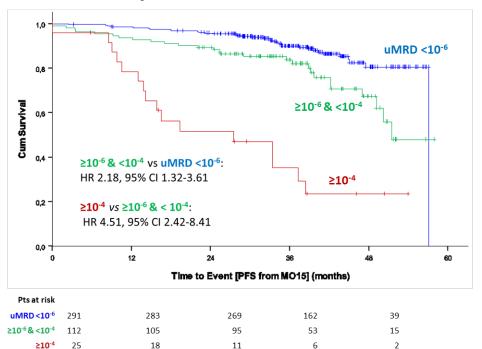
Median observation time: 63.8 months

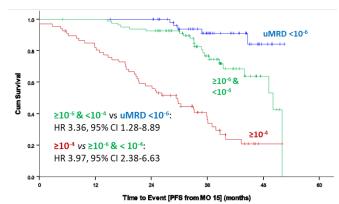


# Correlation PB MRD/PFS

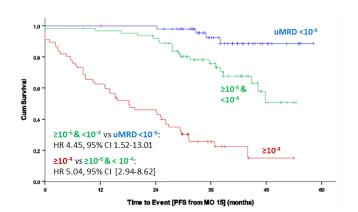
PFS by MRD level at MO15, RV

## PFS by MRD level at MO15, GV/GIV





PFS by MRD level at MO15, CIT



# MRD is a Useful Tool in the Management of Patients with CLL: Of Course!

- MRD is always important with fixed duration therapy
- So what is the issue?
  - Not actionable at present in standard practice
  - There are trials comparing fixed duration therapy to MRD guided therapy but we don't have data yet
  - So how does it help us to have the data now??
  - Monitoring the patient (frequency of visits) and to give the patient some idea of what to expect