First-Line Ibrutinib Plus Venetoclax Versus **Chlorambucil Plus Obinutuzumab in Elderly or Comorbid Patients With Chronic Lymphocytic Leukemia: GLOW Study 67-Month** Follow-up and Adverse **Event-Free Progression-Free** Survival Analysis

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Key Takeaway



Ibr+Ven continues to deliver superior clinical responses versus Clb+O at an extended follow-up of 67 months in the phase 3 GLOW study in older or comorbid patients with previously untreated CLL

Conclusions



At 67-month median follow-up, lbr+Ven continues to show superior PFS, reduced risk of requiring 2L treatment, and sustained OS advantage versus Clb+O in patients with previously untreated CLL



Fixed-duration lbr+Ven achieves longer grade 3/4 TEAE-free PFS by more than 21 months compared with Clb+O, without ongoing toxicity associated with continuous treatment

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Introduction

- The GLOW primary analysis (27.7-month median follow-up) showed superior progression-free survival (PFS) and deeper, more durable responses with Ibrutinib+Venetoclax (Ibr+Ven) versus Chlorambucil+Obinutuzumab (Clb+O) in patients with previously untreated chronic lymphocytic leukemia (CLL)¹
- This analysis of the GLOW study presents:
- PFS, overall survival (OS), and time to next treatment (TTNT), including subgroup analysis by IGHV and minimal residual disease (MRD) status, at 67-month median follow-up
- Assessment of grade 3/4 treatment-emergent adverse event (TEAE)-free PFS

Results

- MRD status at EOT+3 (**Figure 1C**)
- (Figure 1D)



Overall survival (Figure 2 and Supplementary Material)



References

1. Kater AP, et al. NEJM Evidence; 2022;1(7):EVIDoa2200006. 2. Norton JD. Drug Inf J. 2011;45:741-747.

uIGHV Clb+O:

59.9% (n = 57

Methods





Venetoclax

Idelalisi

Other targeted agents

Second primary malignancies (Supplementary Material)

14 patients (13.2%) who received lbr+Ven and 18 (17.1%) who received Clb+O had second primary malignancies

3 (10.7)

1(3.6)

6 (21.4)

12 (15.8)

1 (1.3)

13 (17.1)



Please see our ASH 2024 poster on the comparison of OS estimates between patients receiving fixed-duration Ibrutinib+Venetoclax to an age-matched general European population (Poster 3254)

B-cell Malignancies

