

2017 - Venetoclax–obinutuzumab for previously untreated chronic lymphocytic leukemia: **6**-year results of the randomized CLL14 study

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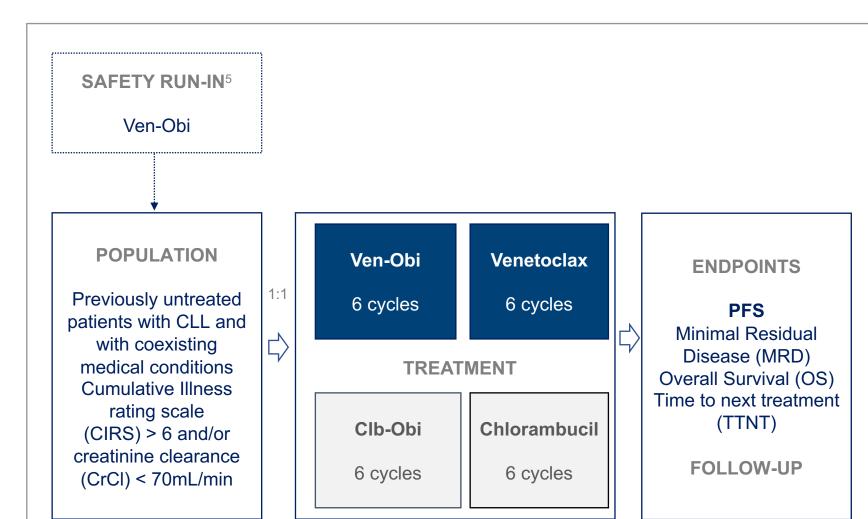
BACKGROUND

The CLL14 trial (NCT02242942) showed significant improvement in progression-free survival (PFS) with fixed-duration venetoclaxobinutuzumab (Ven-Obi) compared with chlorambucil (Clb)-Obi chemoimmunotherapy in patients with previously untreated chronic lymphocytic leukemia (CLL) and coexisting conditions.¹

High rates of undetectable minimal residual disease (uMRD) suggested deep remissions; thus, long-term efficacy data including patients with high-risk disease are of particular interest. We therefore continue to follow-up with these patients. ^{2, 3, 4}

Here we report updated efficacy and safety data from the ongoing follow-up of the CLL14 open-label trial, with all patients now having been off study treatment for at least 5 years.

METHODS

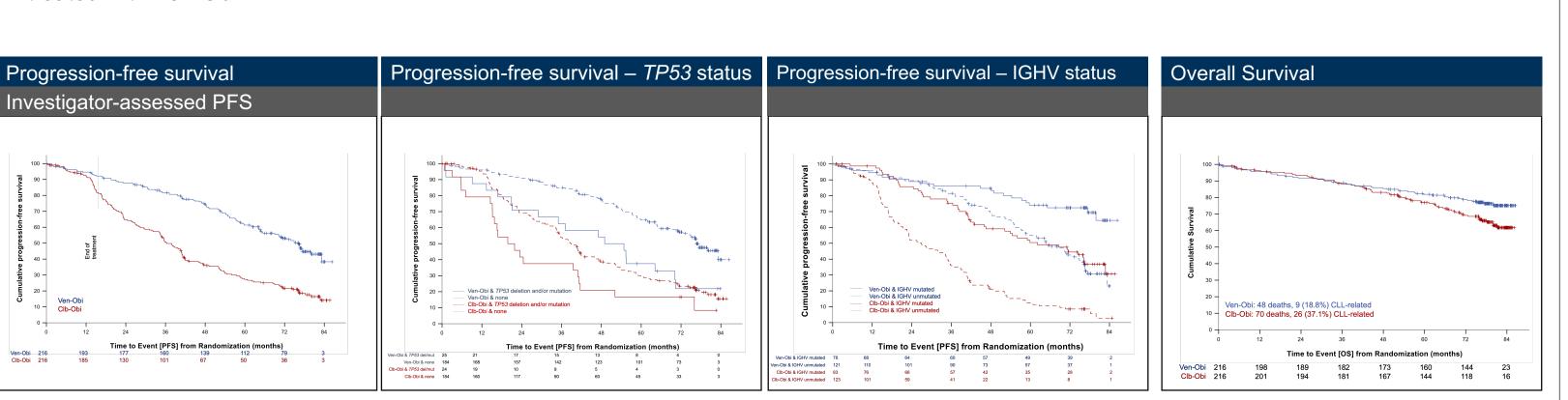


- ✓ Study enrollment was performed from 2015–2016.
- ✓ All patients are off study treatment, follow-up is ongoing.
- ✓ During follow-up, MRD response was measured in the peripheral blood by next generation sequencing (NGS) every 3-6 months up to month 18 and then every 6 months until 9 years after the last patient was enrolled
- **Median follow-up** for this analysis was **76.4 months**.

6-YEAR PFS AND OS

TTNT

- PFS continued to be superior for Ven-Obi vs Clb-Obi, (median 76.2 vs 36.4 months, respectively; hazard ratio (HR) 0.40 [95% confidence interval {CI} 0.31–0.52], p<0.0001) and was observed across biological risk groups.
- The 6-year-OS rate was 78.7% in the Ven-Obi and 69.2% in the Clb-Obi arm (HR 0.69 [95% CI 0.48–1.01], p=0.052).
- A multivariable analysis indicated TP53 deletion/mutation (HR 2.26 [95% CI 1.24–4.12]), unmutated immunoglobulin heavy chain (IGHV; HR 2.26 [95% CI 1.27–4.02]) and maximum lymph node size ≥5 cm (HR 1.92 [95% CI 1.19–3.09]) as independent prognostic factors for PFS in patients treated with Ven-Obi.



SAFETY No new safety signals. The secondary primary malignancy (SPM) incidence rate per 1000 patient-months was 2.3% in the Ven-Obi arm and 1.4% in the Clb-Obi arm.

CONCLUSIONS

53.1% of patients treated with fixed-duration Ven-Obi remain without PFS event five years after treatment cessation.

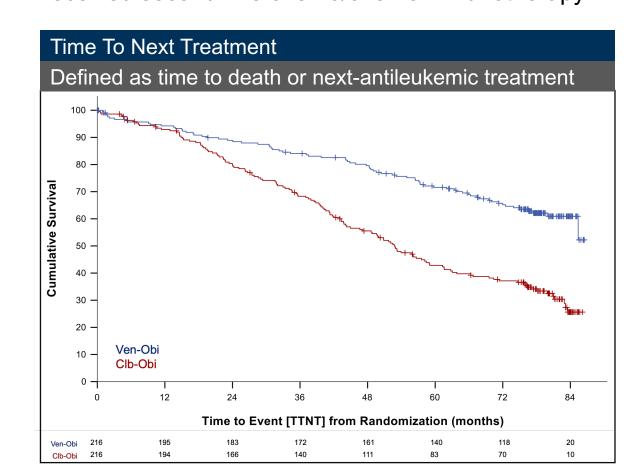
The benefit was observed across all subgroups of patients treated with Ven-Obi, including TP53del/mut and IGHVunmut.

Over 60% of patients treated with Ven-Obi have not required a second-line treatment.

End-of-treatment MRD status after Ven-Obi significantly correlates with PFS and OS.

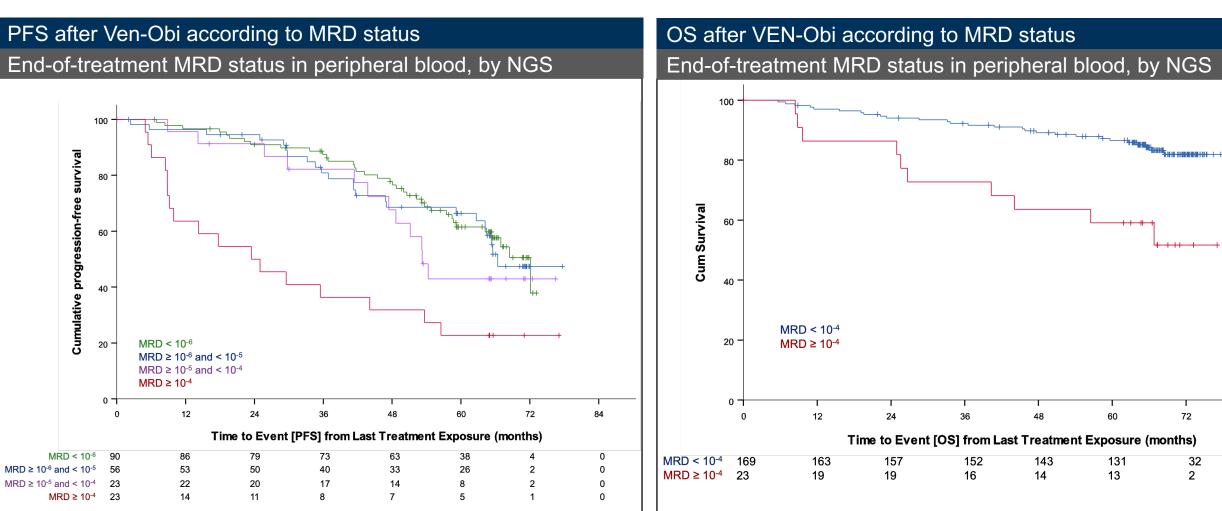
No new safety signals and no significant difference in the incidence rate of secondary malignancies observed.

- TTNT was longer with Ven-Obi vs Clb-Obi (median not reached vs 52.9 months, respectively; HR 0.44 [95% CI 0.33-0.58], p<0.0001).
- Most patients received targeted agents as second-line therapy: the majority received Bruton tyrosine kinase inhibitors (BTKi; Ven-Obi: 59%; Clb-Obi: 53.4%); 17.9% (Ven-Obi) and 14.6% (Clb-Obi) received second-line Ven; 23.1% (Ven-Obi) and 30.1% (Clb-Obi) received second-line chemo/chemoimmunotherapy.



MRD ASSESSMENT

- Depth of remission of patients after Ven-Obi beyond 10⁻⁴ correlates with long-term PFS indicating the prognostic value of the end-of-treatment MRD status.
- Patients with MRD ≥10⁻⁴ after Ven-Obi have a shorter OS than patients with MRD <10⁻⁴
- 5 years after treatment, 17 (7.9%) and 4 (1.9%) patients had sustained MRD <10⁻⁴ in the Ven-Obi and Clb-Obi arms, respectively.



REFERENCES

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ACKNOWLEDGMENTS

CLL14 is a collaborative effort of the German CLL Study Group, F. Hoffmann-La Roche Ltd and AbbVie Inc. Data first presented at the European Hematology Association 2023. Venetoclax is being developed in collaboration between Genentech Inc., and AbbVie Inc. F. Hoffmann-La Roche Ltd and AbbVie Inc. provided financial support for the study. Partly third-party editorial assistance under the direction of the authors, was provided by Ashfield MedComms, an inizio company, and funded by F. Hoffmann-La Roche Ltd. We particulary thank the patients and their families, the nurses and doctors for their invaluable contributions.

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