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Final Analysis of the Randomized Phase 2 ROSEWOOD Study of Zanubrutinib + Obinutuzumab vs Obinutuzumab Monotherapy in Patients With Relapsed/Refractory Follicular Lymphoma

Pier Luigi Zinzani,¹ Jiří Mayer,² Christopher R. Flowers,³ Fontanet Bijou,⁴ Ana C. De Oliveira,⁵ Yuqin Song,⁶ Qingyuan Zhang,⁷ Marco Brociner,⁸ Krime Bouabdallah,⁹ Peter S. Ganly,¹⁰ Huilai Zhang,¹¹ Sam Yuen,¹² Marek Trněný,¹³ Rebecca Auer,¹⁴ Sha Huang,¹⁵ Jiayi Shen,¹⁶ Jamie Hirata,¹⁶ Judith Trotman¹⁷

¹Institute of Hematology "Seràgnoli," University of Bologna, Bologna, Italy; ²Masaryk University and University Hospital, Brno, Czech Republic; ³The University of Texas MD Anderson Cancer Center, Houston, TX, USA; ⁴Institut Bergonié, Bordeaux, France; ⁵Institut Català d'Oncologia (ICO) - Hospital Duran i Reynals, Barcelona, Spain; ⁶Peking University Cancer Hospital and Institute, Beijing, China; ⁷Harbin Medical University Cancer Hospital, Harbin, China; ⁸Hematology, University Hospital "Ospedale di Circolo e Fondazione Macchi" - ASST Sette Laghi, University of Insubria, Varese, Italy; ⁹Hôpital Haut-Lévêque, CHU Bordeaux, Pessac, France; ¹⁰Department of Haematology, Christchurch Hospital, Christchurch, New Zealand; ¹¹Tianjin Medical University Cancer Institute & Hospital, Tianjin, China; ¹²Calvary Mater Newcastle, Waratah, NSW, Australia; ¹³Charles University, General Hospital, Prague, Czech Republic; ¹⁴St Bartholomew's Hospital, Barts Health NHS Trust, London, UK; ¹⁵BeOne Medicines, Ltd, Shanghai, China; ¹⁶BeOne Medicines, Ltd, San Carlos, CA, USA; ¹⁷Department of Hematology, Concord Repatriation General Hospital, Sydney, NSW, Australia

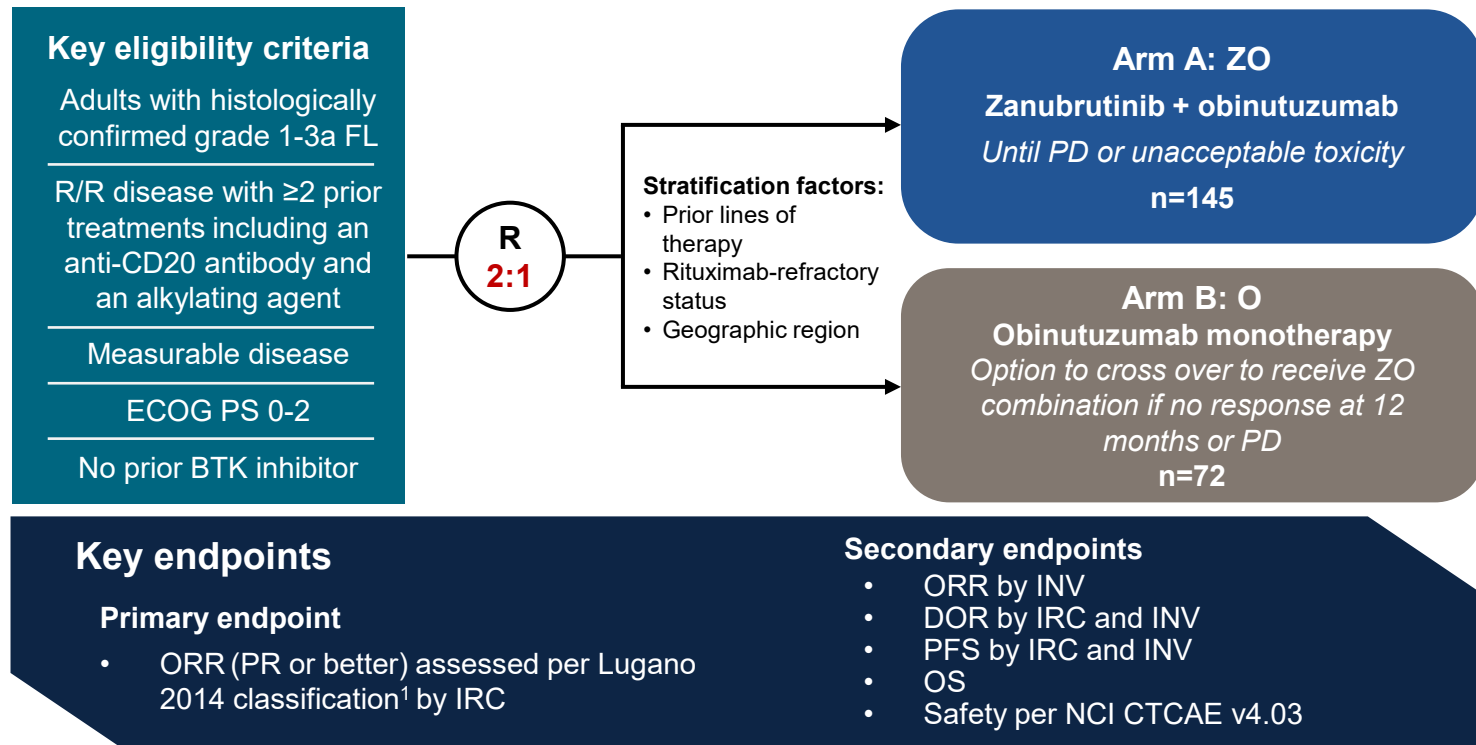
Introduction

- Treatment advances have improved outcomes in FL; however, many patients experience multiple relapses, highlighting a need for new therapies¹
- Zanubrutinib, a potent and selective, next-generation BTK inhibitor designed for complete and sustained BTK occupancy, is approved in multiple countries for various B-cell malignancies²⁻⁴
- ROSEWOOD (NCT03332017) is a phase 2 study of zanubrutinib and obinutuzumab (ZO) combination therapy vs obinutuzumab monotherapy (O) in patients with R/R FL who had received ≥ 2 prior lines of therapy⁵
- A previous analysis (median follow-up of 20.2 months) showed a significantly improved ORR per independent review committee (IRC) with ZO vs O⁵
- Here, we report the final analysis of ROSEWOOD with a median follow-up of 34.6 months

BTK, Bruton tyrosine kinase; FL, follicular lymphoma; IRC, independent review committee; O, obinutuzumab monotherapy; ORR, overall response rate; R/R, relapsed/refractory; ZO, zanubrutinib + obinutuzumab.

1. Ghione P, et al. *Haematologica*. 2023;108(3):822-832; 2. Guo Y, et al. *J Med Chem*. 2019;62(17):7923-7940; 3. Brukinsa (zanubrutinib). Prescribing information. BeOne Medicines, Ltd; 2023; 4. Brukinsa (zanubrutinib). Summary of product characteristics. BeOne Medicines, Ltd; 2024; 5. Zinzani PL, et al. *J Clin Oncol*. 2023;41(33):5107-5117.

ROSEWOOD: A Global, Randomized, Open-Label, Phase 2 Study



BTK, Bruton tyrosine kinase; CD, cluster of differentiation; DOR, duration of response; ECOG PS, Eastern Cooperative Oncology Group performance status; FL, follicular lymphoma; INV, investigator; IRC, independent review committee; NCI CTCAE, National Cancer Institute Common Terminology Criteria for Adverse Events; O, obinutuzumab; ORR, overall response rate; OS, overall survival; PD, progressive disease; PFS, progression-free survival; PR, partial response; R, randomized; R/R, relapsed/refractory; ZO, zanubrutinib + obinutuzumab.

1. Cheson BD, et al. *J Clin Oncol.* 2014;32(27):3059-3068.

Baseline Characteristics

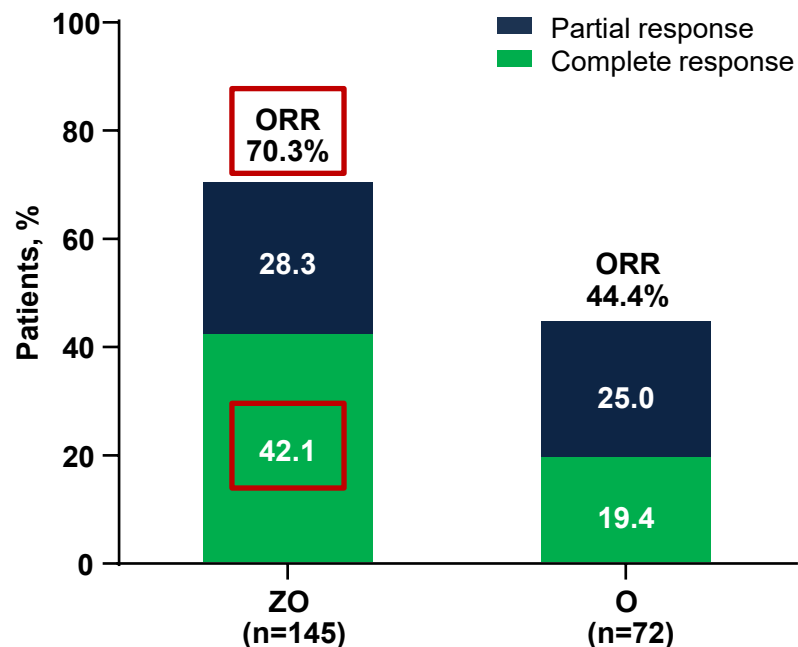
- 217 patients from 127 sites in 17 countries/regions were randomized between November 2017 and June 2021
 - 214 received treatment with ZO (n=143) or O (n=71)
- As of December 31, 2024, median study follow-up was 34.6 months (range, 0.1-69.7 months)

| Characteristic | ZO n=145 | O n=72 |
|--|--------------|--------------|
| Age, median (range), years | 63.0 (31-84) | 65.5 (32-88) |
| Male, n (%) | 75 (51.7) | 33 (45.8) |
| Race, n (%) | | |
| White | 92 (63.4) | 47 (65.3) |
| Asian | 30 (20.7) | 17 (23.6) |
| Not reported | 23 (15.9) | 8 (11.1) |
| ECOG PS ≥ 1, n (%) | 59 (40.6) | 41 (57.0) |
| High FLIPI score (≥ 3), n (%) | 77 (53.1) | 37 (51.4) |
| Ann Arbor stage III-IV, n (%) | 119 (82.1) | 60 (83.3) |
| Bulky disease (≥ 7 cm), n (%) | 23 (15.9) | 12 (16.7) |
| Bone marrow involvement at screening, n (%) | 39 (26.9) | 26 (36.1) |
| High tumor burden per GELF criteria, n (%) | 83 (57.2) | 40 (55.6) |
| High LDH level ($>ULN$), n (%) | 49 (33.8) | 29 (40.3) |

| Characteristic | ZO n=145 | O n=72 |
|---|-------------|-----------|
| No. of lines of prior therapy, median (range) | 3 (2-11) | 3 (2-9) |
| 2-3, n (%) | 104 (71.7) | 54 (75.0) |
| >3 , n (%) | 41 (28.3) | 18 (25.0) |
| Refractory to rituximab, n (%) | 78 (53.8) | 36 (50.0) |
| Refractory to most recent line of therapy, n (%) | 47 (32.4) | 29 (40.3) |
| POD24, n (%) | 51 (35.2) | 30 (41.7) |
| Prior therapy, n (%) | | |
| Anti-CD20 mAb | 145 (100) | 72 (100) |
| Prior immunochemotherapy | 143 (98.6) | 71 (98.6) |
| Cyclophosphamide | 136 (93.8) | 68 (94.4) |
| Anthracyclines | 118 (81.4) | 57 (79.2) |
| Bendamustine | 79 (54.5) | 40 (55.6) |
| Prior stem cell transplant | 32 (22.1) | 13 (18.1) |

ECOG PS, Eastern Cooperative Oncology Group performance status; FLIPI, Follicular Lymphoma International Prognostic Index; GELF, Groupe d'Etude des Lymphomes Folliculaires; LDH, lactate dehydrogenase; mAb, monoclonal antibody; O, obinutuzumab; POD24, progression of disease ≤ 24 months after starting frontline therapy; ULN, upper limit of normal; ZO, zanubrutinib + obinutuzumab.

ORR per IRC With ZO Was Higher Compared With O



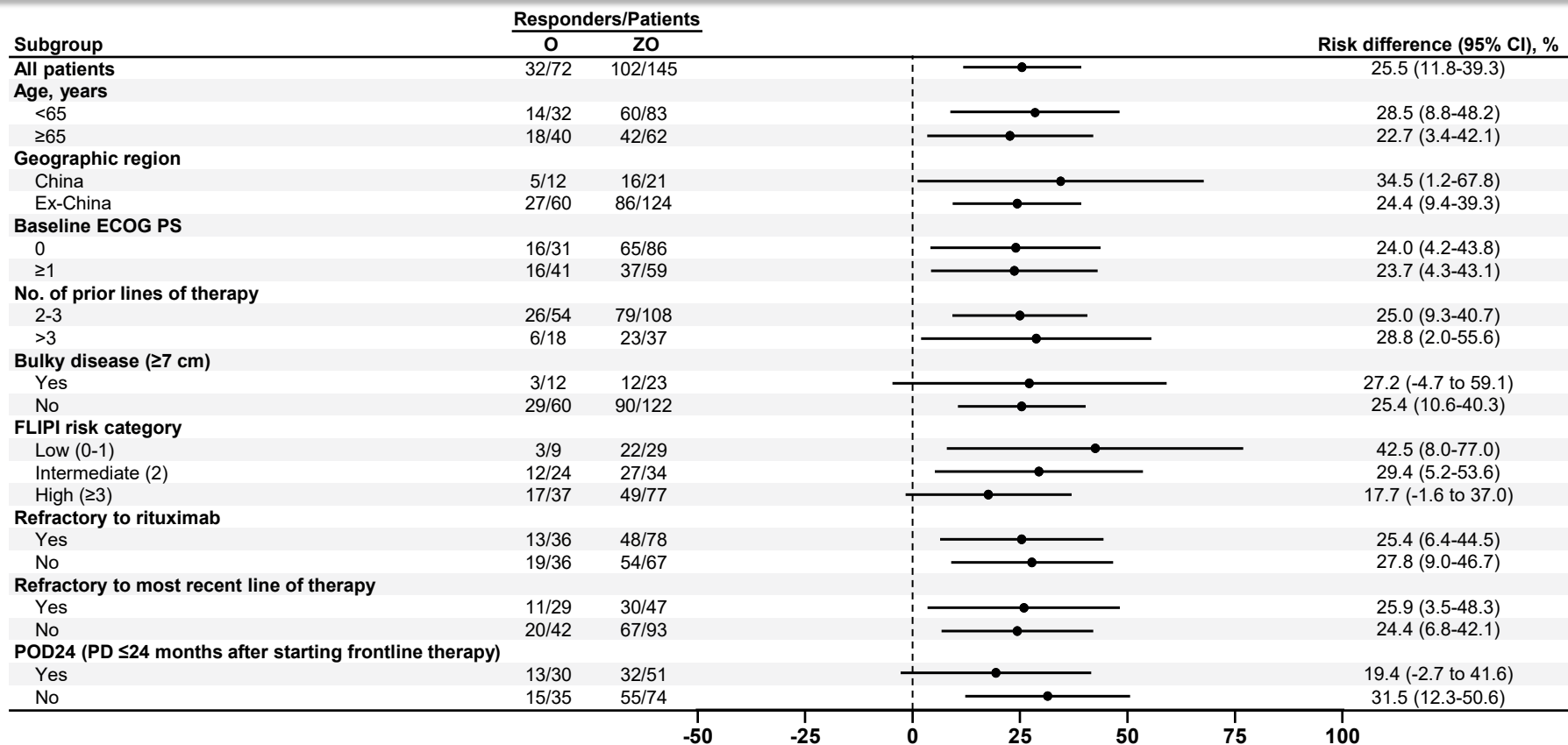
- ORRs per INV were similar to ORRs per IRC (ZO, 68.3%; O, 43.1%)

| | ZO (n=145) | O (n=72) |
|---|---------------------|--------------------|
| Overall response rate, n (%) | 102 (70.3) | 32 (44.4) |
| 95% CI | 62.2-77.6 | 32.7-56.6 |
| Risk difference (95% CI), % | 25.5 (11.8-39.3) | |
| 2-sided <i>P</i> value ^a | .0003 | |
| Complete response rate, n (%) | 61 (42.1) | 14 (19.4) |
| 95% CI | 33.9-50.5 | 11.1-30.5 |
| 2-sided <i>P</i> value ^a | .0009 | |
| Other responses, n (%) | | |
| Stable disease | 21 (14.5) | 14 (19.4) |
| Indeterminate due to zanubrutinib hold | 1 (0.7) | 0 |
| Non-progressive disease ^b | 6 (4.1) | 9 (12.5) |
| Progressive disease | 13 (9.0) | 16 (22.2) |
| Discontinued prior to first assessment/NE | 2 (1.4) | 1 (1.4) |

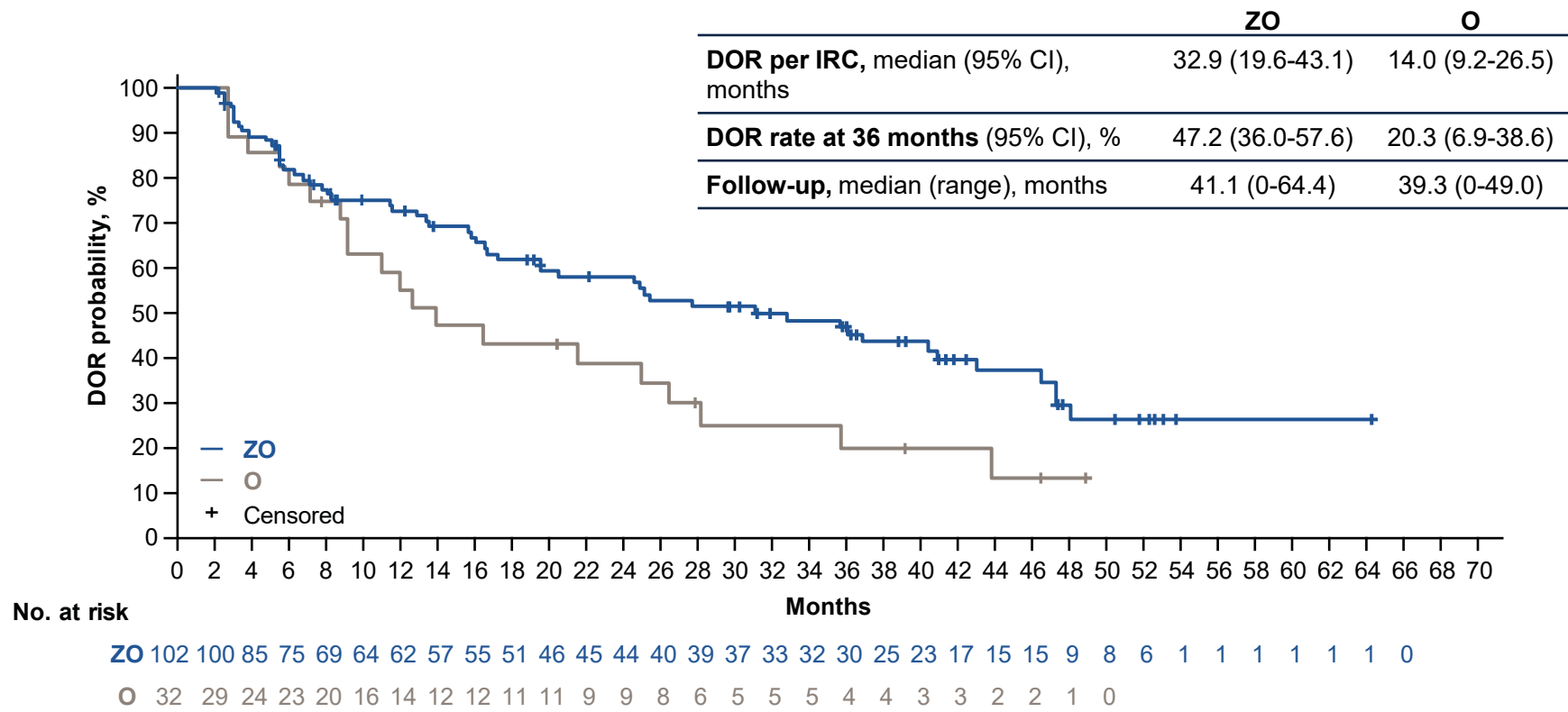
^a*P* value is descriptive. ^bDefined as PET assessment missing or not evaluable, and CT assessment showed no progressive disease.

CT, computed tomography; INV, investigator; IRC, independent review committee; O, obinutuzumab; ORR, overall response rate; PET, positron emission tomography; ZO, zanubrutinib + obinutuzumab.

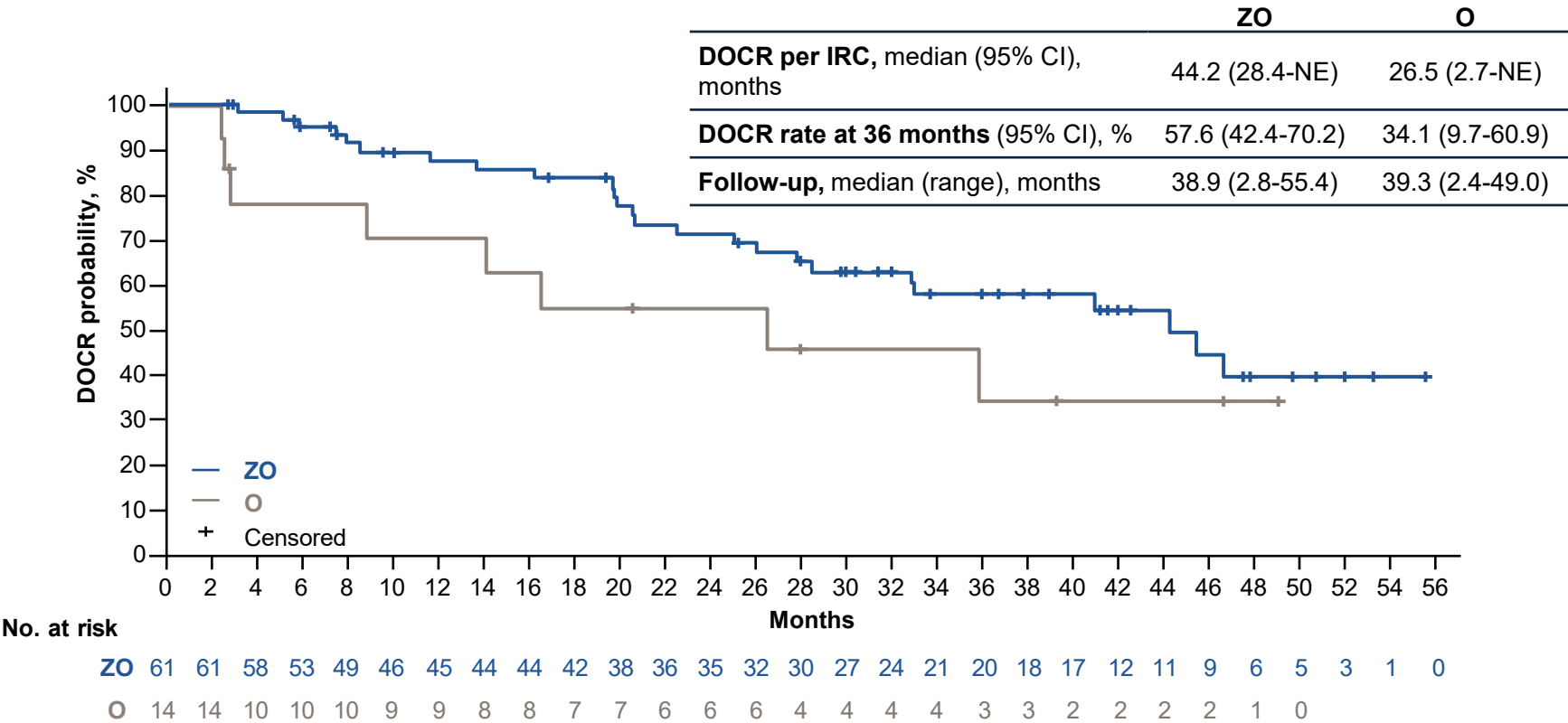
ORR Benefit With ZO Over O Consistent Across Subgroups



Duration of Response Was Longer in the ZO Arm

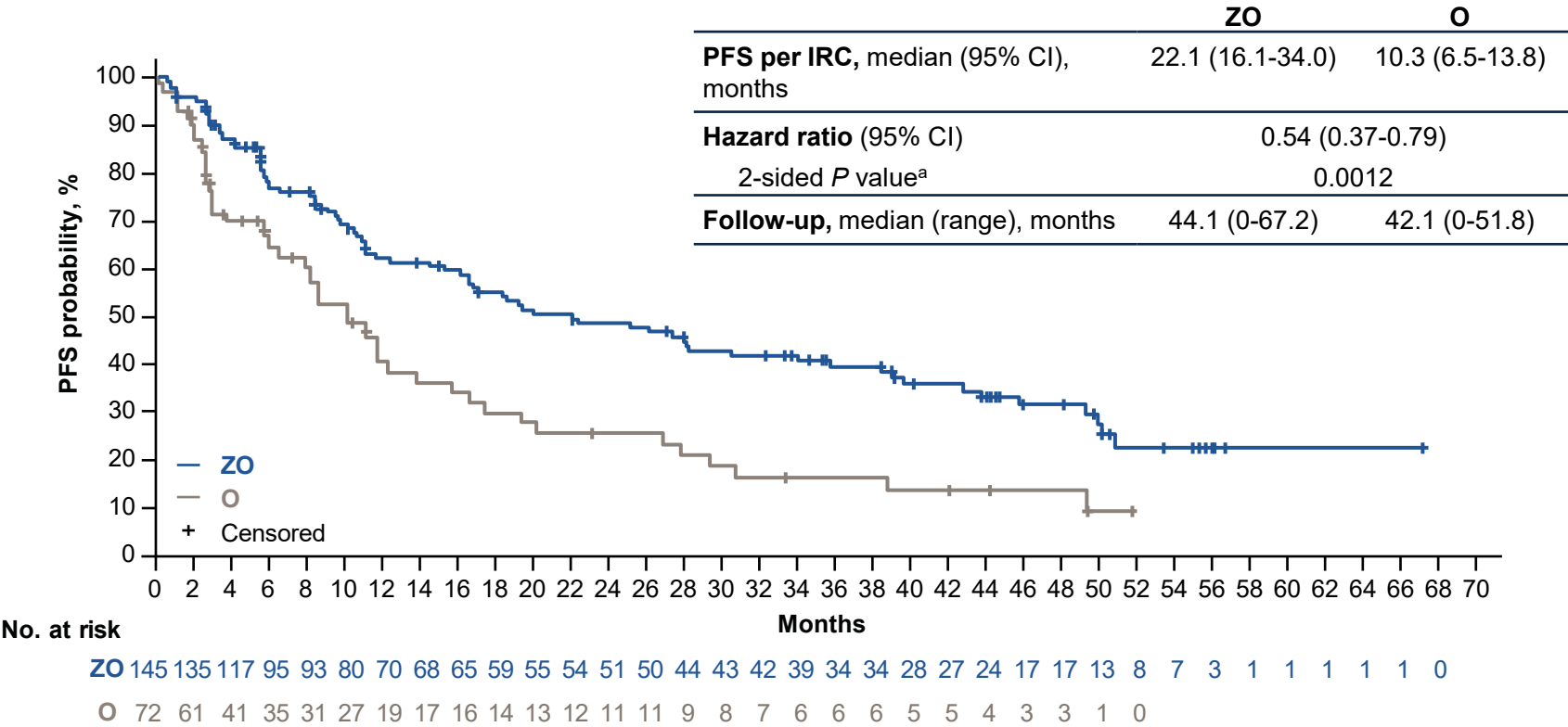


Complete Responses Were Durable



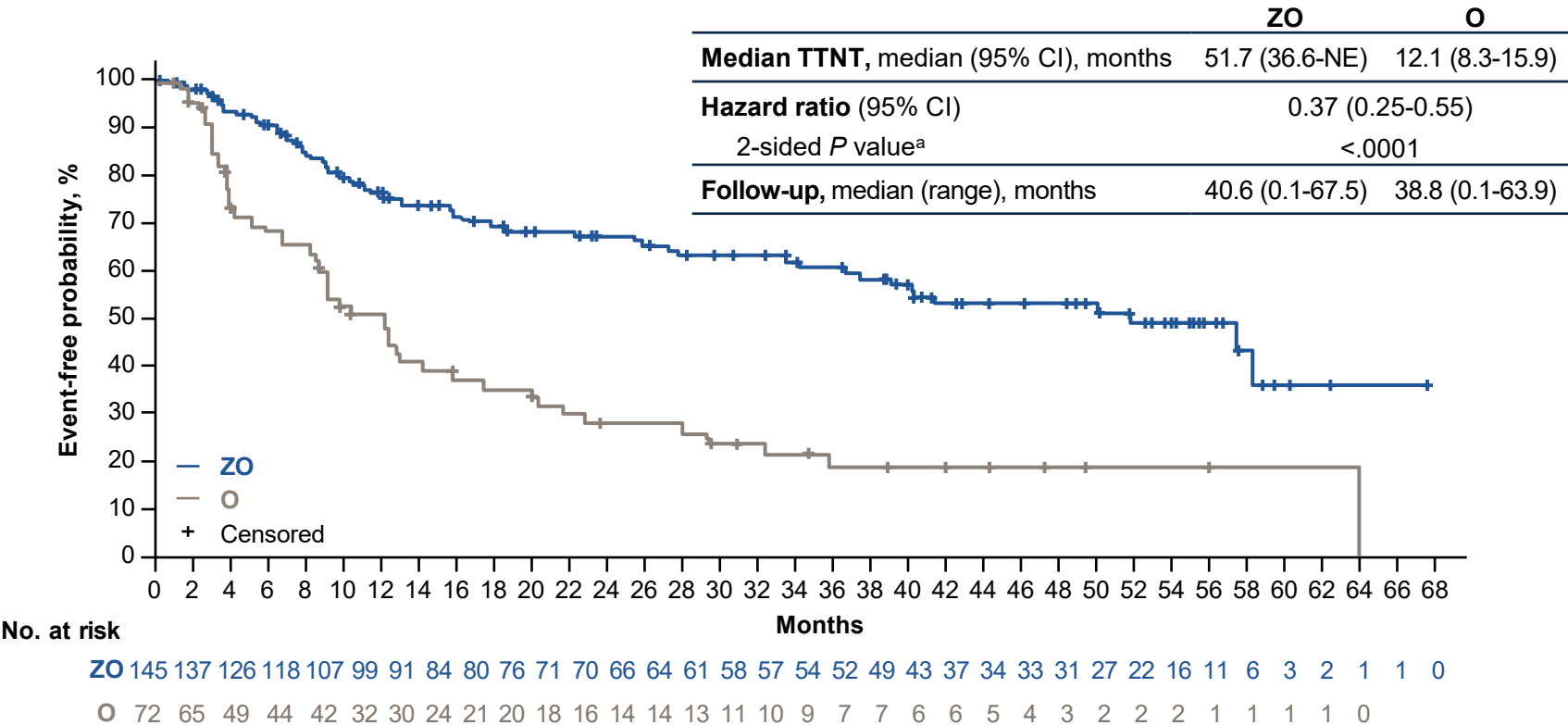
DOCR, duration of complete response; IRC, independent review committee; O, obinutuzumab; NE, not estimable; ZO, zanubrutinib + obinutuzumab.

PFS per IRC Was Longer in the ZO Arm



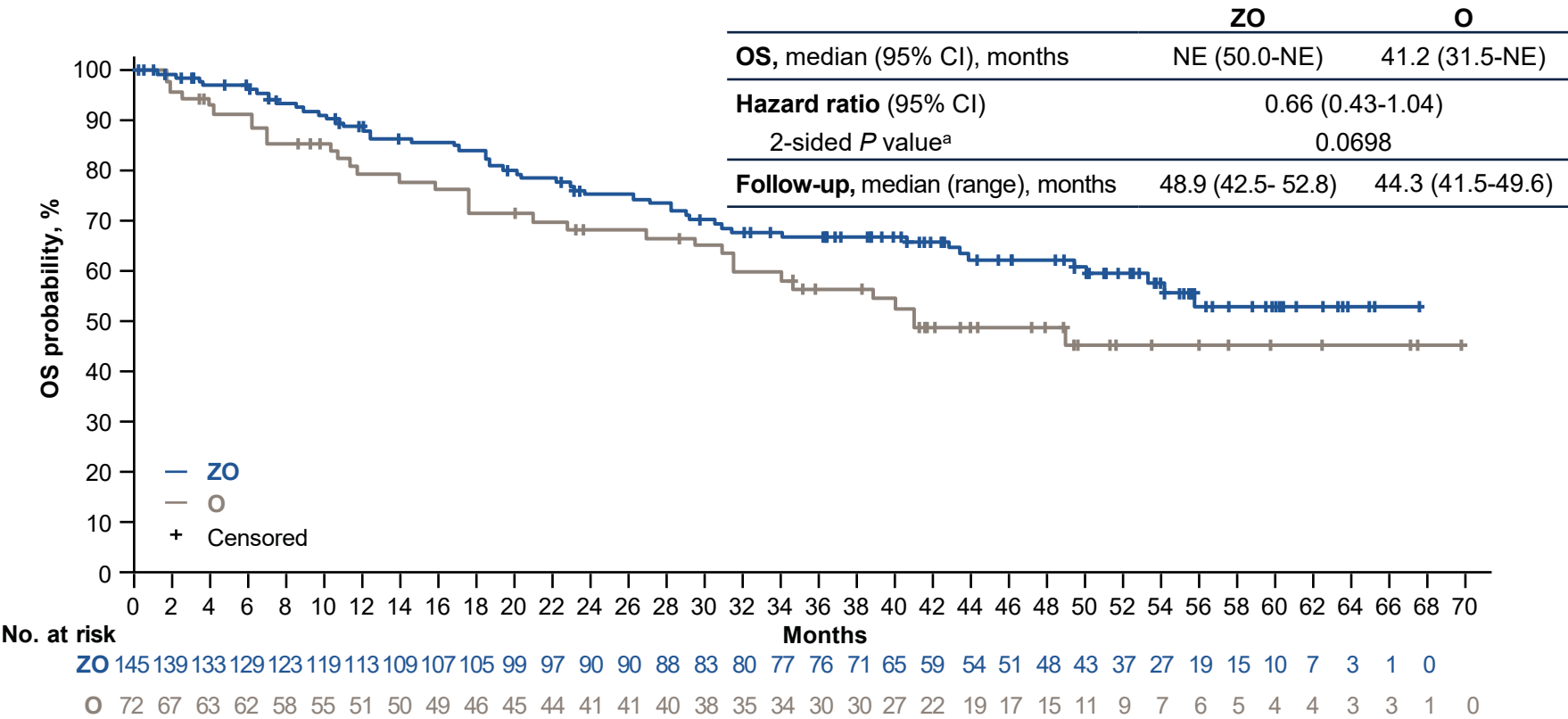
^a*P* value is descriptive.
IRC, independent review committee; O, obinutuzumab; PFS, progression-free survival; ZO, zanubrutinib + obinutuzumab.

Time to New Anticancer Therapy Was Longer in the ZO Arm vs the O Arm



^a*P* value is descriptive.
TTNT, time to new anticancer therapy or crossover; NE, not estimable; O, obinutuzumab; ZO, zanubrutinib + obinutuzumab.

Overall Survival



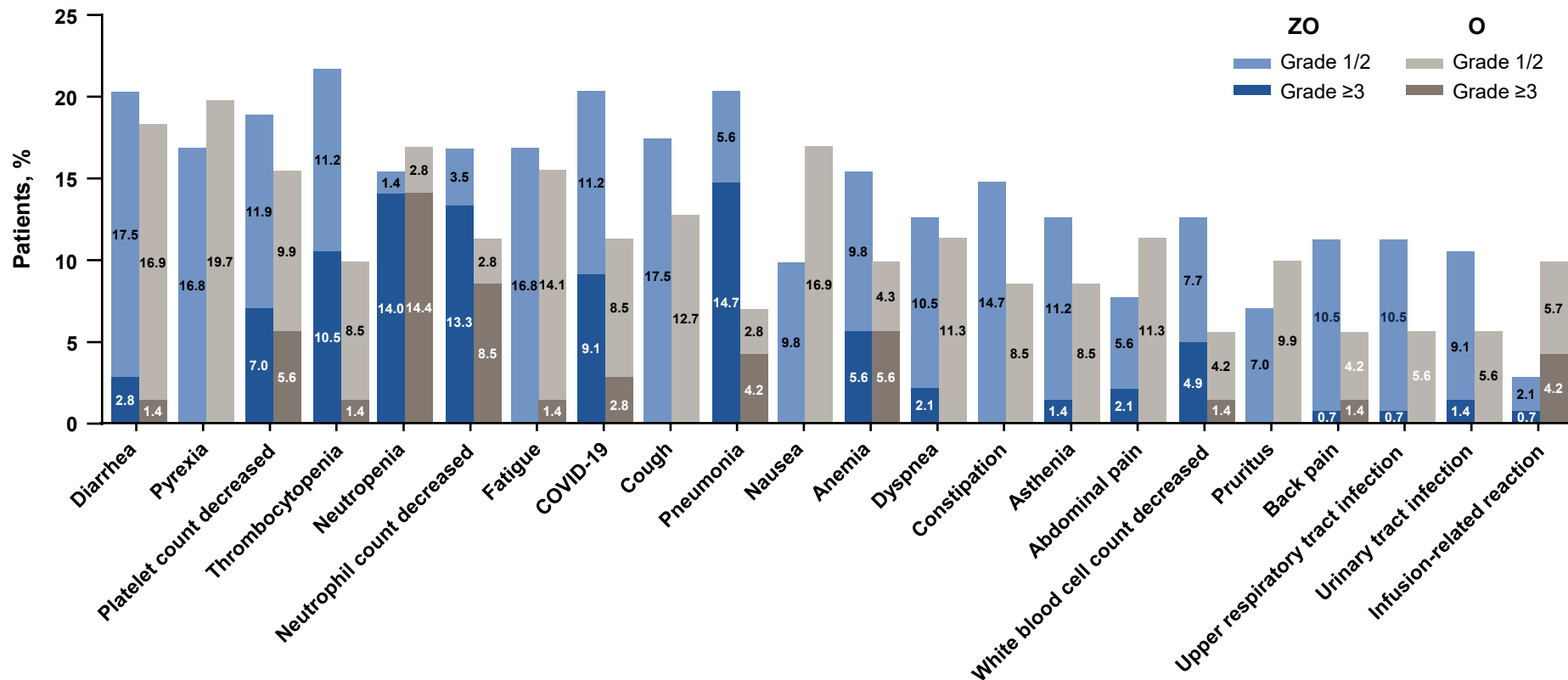
^a*P* value is descriptive.
NE, not estimable; O, obinutuzumab; OS, overall survival; ZO, zanubrutinib + obinutuzumab.

Safety Summary

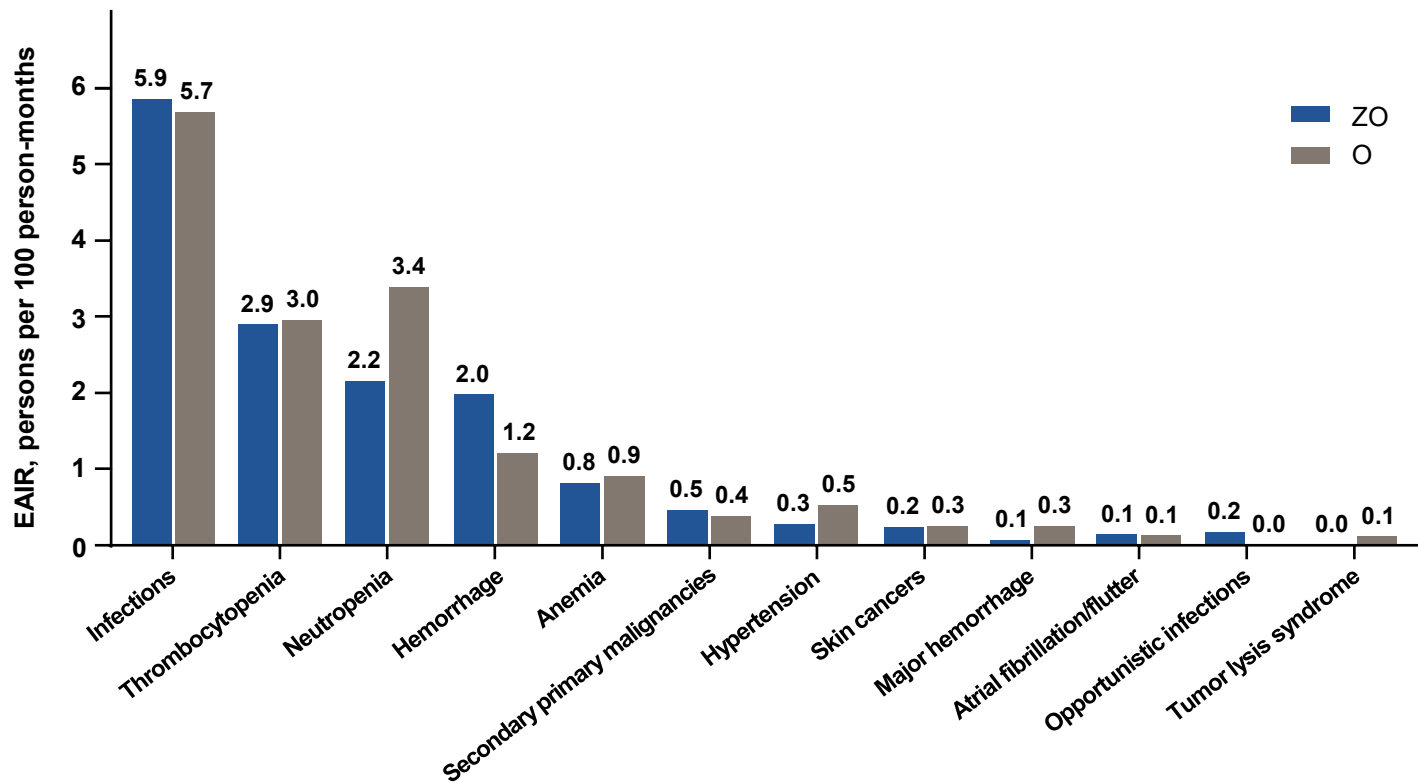
- With a longer median duration of exposure (ZO, 12.4 months; O, 6.5 months), the incidence of TEAEs and treatment-related TEAEs was generally higher in the ZO arm vs the O arm

| n (%) | ZO n=143 | O n=71 |
|--|-------------|-----------|
| Any TEAE | 137 (95.8) | 65 (91.5) |
| Any treatment-related TEAE | 110 (76.9) | 49 (69.0) |
| Grade ≥3 | 103 (72.0) | 34 (47.9) |
| Treatment-related grade ≥3 | 62 (43.4) | 19 (26.8) |
| Serious | 75 (52.4) | 22 (31.0) |
| Treatment-related serious | 29 (20.3) | 8 (11.3) |
| Leading to death | 15 (10.5) | 7 (9.9) |
| Treatment-related leading to death | 2 (1.4) | 1 (1.4) |
| Leading to treatment discontinuation | 31 (21.7) | 9 (12.7) |
| Treatment-related leading to treatment discontinuation | 14 (9.8) | 3 (4.2) |

TEAEs Were Generally Consistent With the Known Safety Profiles of Zanubrutinib and Obinutuzumab



Exposure-Adjusted Incidence Rates (EAIRs)^a for TEAEs of Special Interest Were Comparable Between Arms



^aEAIR is calculated as the number of patients experiencing the event divided by the total exposure time from the first dose date to the first event date, or from the first dose date to the treatment-emergent period end date if there was no event.
EAIR, exposure-adjusted incidence rate; O, obinutuzumab; TEAE, treatment-emergent adverse event; ZO, zanubrutinib + obinutuzumab.

Final Analysis of ROSEWOOD: Conclusions

- The favorable risk-benefit profile of ZO in heavily pretreated patients with R/R FL was sustained
- Compared with O monotherapy, combination treatment with ZO demonstrated substantially
 - higher ORR and CR rate
 - longer DOR and PFS
- ZO had a manageable, consistent safety profile, with no new safety signals
- With a long median follow-up (34.6 months), these data support the potential benefit of ZO as a novel combination therapy for patients with R/R FL
- To further evaluate ZO in patients with R/R FL with ≥ 1 prior line of therapy, the phase 3 MAHOGANY study (NCT05100862) comparing ZO vs lenalidomide + rituximab is ongoing

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Corresponding author: Pier Luigi Zinzani, pierluigi.zinzani@unibo.it