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20TH ANNUAL MIAMI CANCER MEETING

# MCM

## Tampa Bay Edition

JANUARY 19-21, 2024

THE WESTIN TAMPA WATERSIDE

Tampa, Florida

Fostering Multidisciplinary Care in the Era of Complex Cancer Treatments



MECC | GLOBAL MEETINGS

## Day 3 – Sunday 1/21/24 Session XI: Lymphoma Session B-Cell NHL (Low Grades)

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# Treatment Dilemmas in 1st Line Advanced FL



**Should I  
still Watch  
and Wait?**

**What is the  
optimal  
chemotherapy  
backbone?**

**Does the CD20  
mAB matter?**

**Maintenance or  
not?**

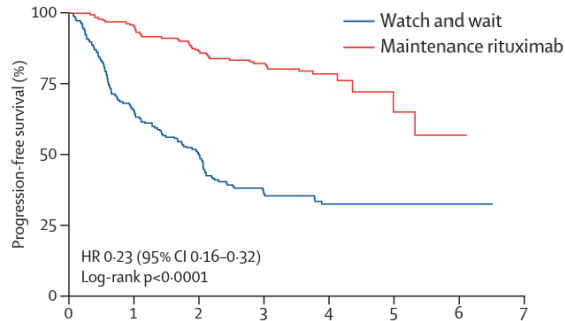
**What about  
“chemo-free”?**

# Low Tumor Burden FL: Should I Still W&W?

## Ardeszna Study<sup>1</sup>



PFS



Number at risk	0	1	2	3	4	5	6	7
Watch and wait	187	121	92	54	28	6	1	0
Maintenance rituximab	192	183	165	138	56	9	1	0

**Improved PFS and TTNT:  
Rituximab compared to Watch and Wait**

## Arguments for W&W

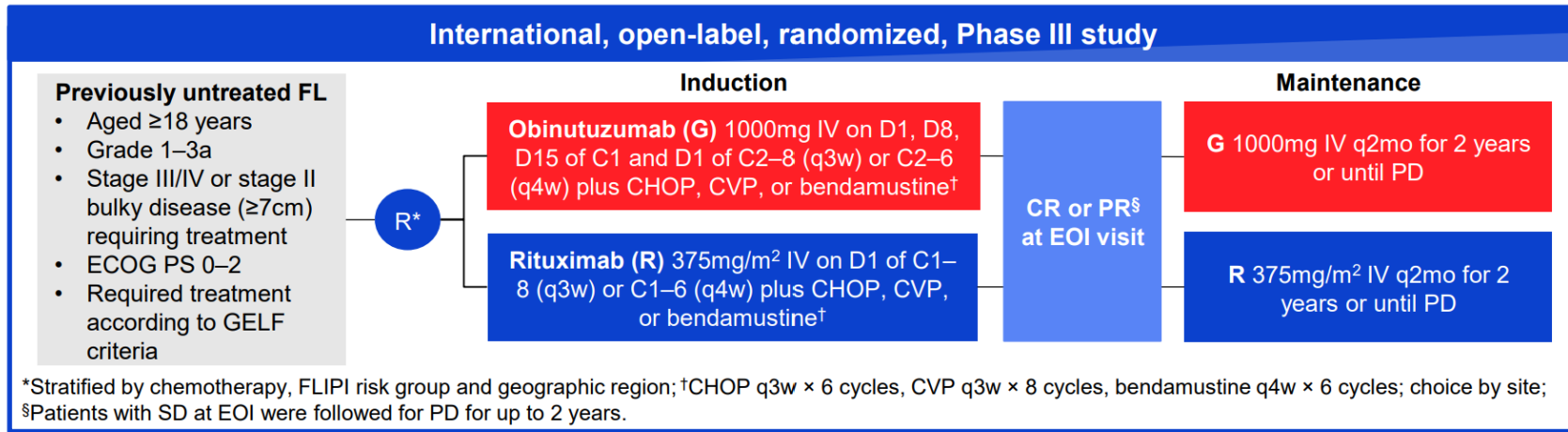
- Treatment does not impact OS
- 15-20% not received treatment after 10 years
- 12% spontaneous disease reduction

BUT:

- Median time to needing treatment: 2.5 years
- Psychological impact/QoL

# Which Anti-CD20? Rituximab (R) vs Obinutuzumab (G): Final Analysis of the GALLIUM Study

## GALLIUM study design:



## Endpoints

### Primary endpoint

- PFS (INV-assessed in FL)

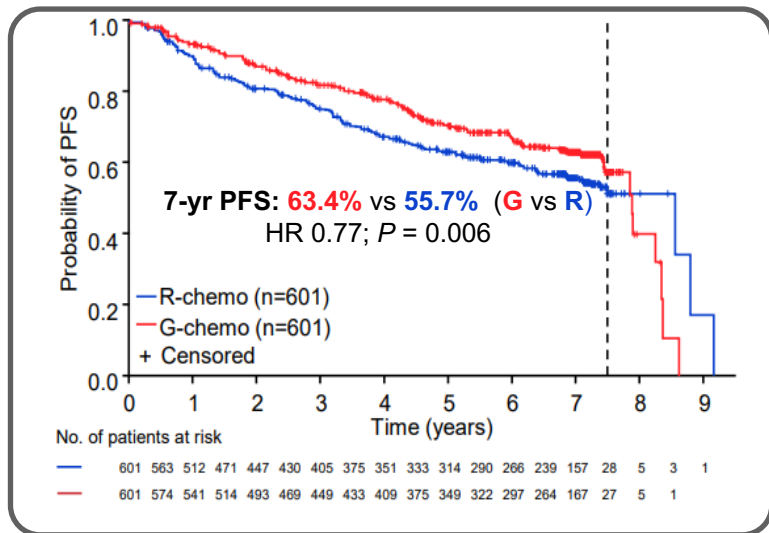
### Secondary and other endpoints

- PFS (IRC-assessed)
- OS, EFS, DFS, DoR, TTNLT
- CR/ORR at EOI (+/- FDG-PET)
- Safety

N =1202 previously untreated advanced FL patients

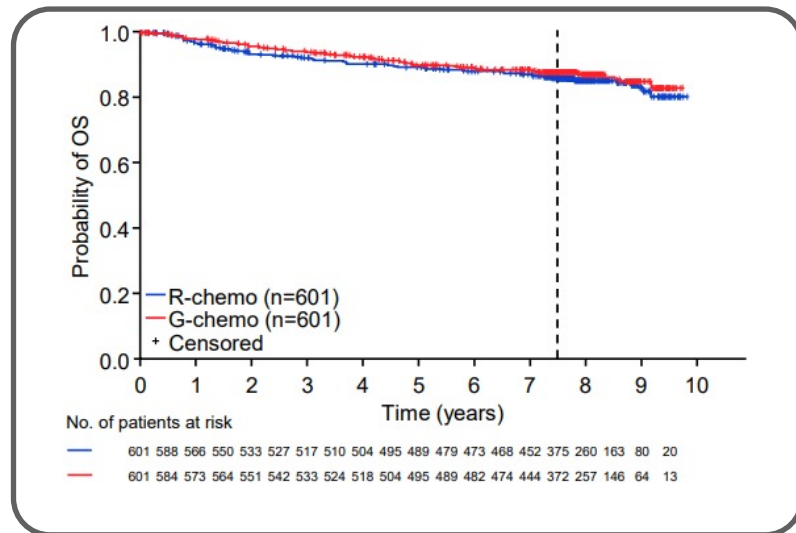
# Final Analysis of the GALLIUM Study: PFS and OS

PFS: **G-chemo** vs **R-chemo**



PFS benefit maintained with  
**G-chemo** vs **R-chemo**

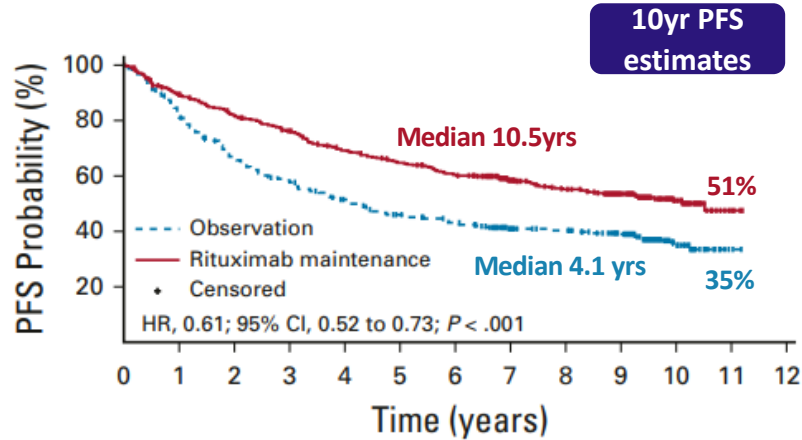
OS: **G-chemo** vs **R-chemo**



Overall survival similar between  
**G-chemo** vs **R-chemo**

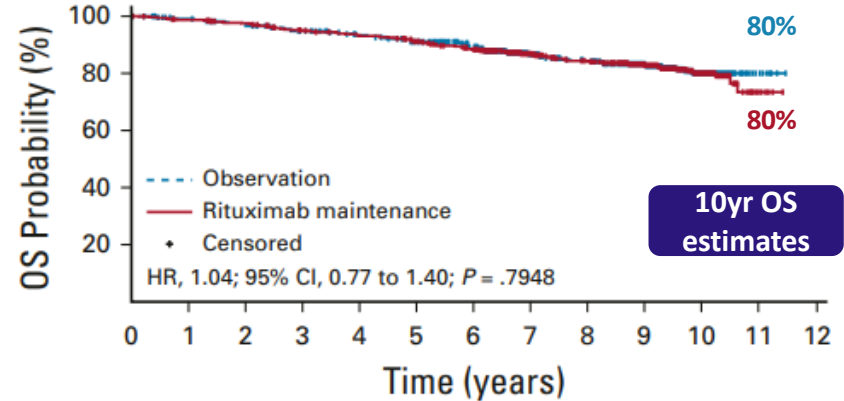
# Value in Adding Maintenance After 1<sup>st</sup> Line Rituximab-Chemotherapy?

## Yes, it increases PFS: PRIMA study update



No. at risk:

--- Observation	513	415	336	290	251	217	200	155	147	122	41	1	0
— Rituximab maintenance	505	445	406	372	333	309	284	231	208	170	67	4	0



No. at risk:

--- Observation	513	501	485	472	460	440	412	319	297	256	91	8	0
— Rituximab maintenance	505	492	480	464	449	432	407	341	313	261	107	8	0

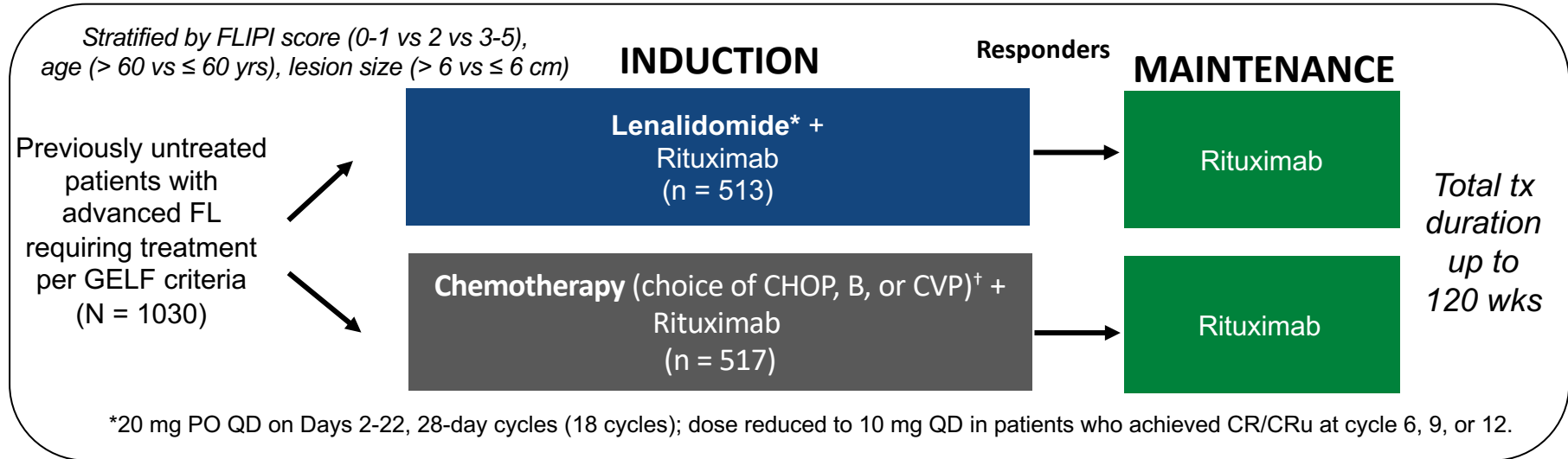
### Comments:

- In PRIMA, no BR as induction
- No PET to assess EOI response
- Value in BR/OB-treated patients unclear

# Can We Improve Upon First Line: Chemo-Free Combination?

## RELEVANCE trial – R<sup>2</sup> (Rituximab + Lenalidomide) vs R-Chemo

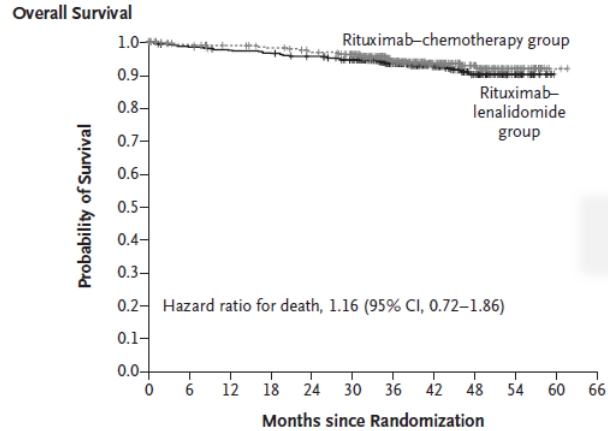
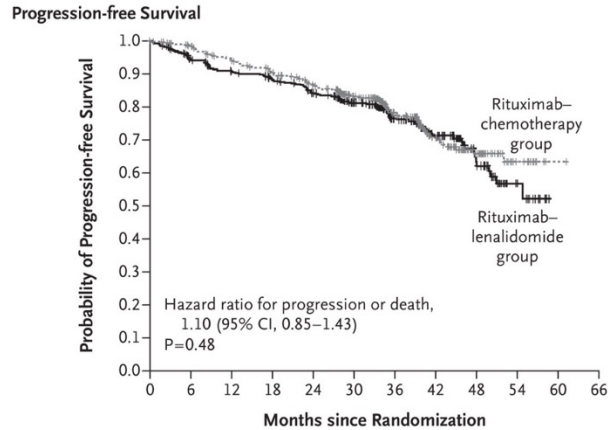
- International, randomized phase III study



- Co-primary endpoints (superiority): CR/CRu at 120 wks, PFS

# Can We Improve Upon First Line: Chemo-Free Combination?

## RELEVANCE trial – R<sup>2</sup> (Rituximab + Lenalidomide) vs R-Chemo



R<sup>2</sup> comparable to R-chemo

### Safety

Higher grade 3-4 neutropenias in R-chemo (50% vs 32%)

Higher grade 3-4 cutaneous rxns in R<sup>2</sup> (7% vs 1%)

### Outcomes

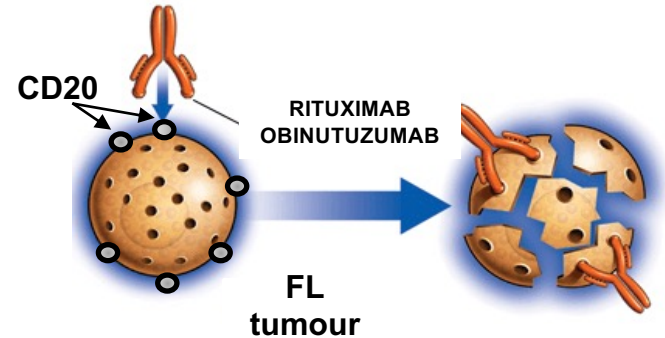
	R-chemo N = 517	R <sup>2</sup> N = 513
3yr PFS % (95% CI)	78 (74-82)	77 (72-80)
CR rates (%)	33	28
3yr OS %	94	94



# Summary of Frontline Treatment in Advanced Stage FL in 2024

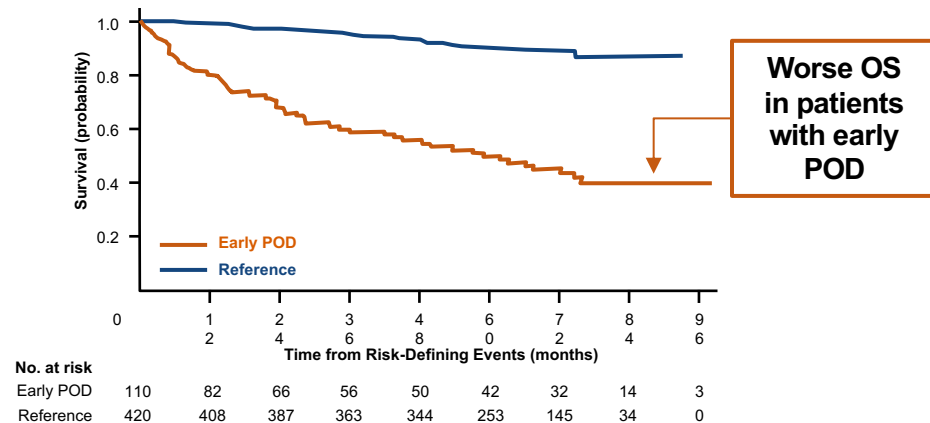
## Anti-CD20 + chemotherapy remains the standard first line therapy

- BR, R-CHOP, R-CVP – choice is patient-specific
- Rituximab maintenance improves PFS, but no difference in OS
- Obinutuzumab-chemo improves PFS, but no difference in OS compared to R-chemo
- R2 – not superior to R-chemo, but appears comparable, potential option if the goal is to avoid chemotherapy
- Consider a clinical trial as there are several novel therapies moving into frontline vs. R-chemo



# R/R FL: POD24 is associated with inferior survival

- Biopsy recommended to detect histologic transformation of FL, which is reported to occur at a rate of 2% per year<sup>1</sup>
  - If concerned for clinical transformation and biopsy is not pursued, would treat as DLBCL<sup>2</sup>
- Early progression of disease ( $\leq 2$  years) after frontline chemoimmunotherapy (POD24) occurs in approximately 20% of patients
  - Associated with a poor prognosis<sup>3</sup>
  - Represents a population that should be targeted for trials.



# R<sup>2</sup> vs R in R/R FL and MZL Phase III AUGMENT Study

N=358

- R/R MZL and FL (grades 1-3a)
- ≥1 prior chemotherapy, immunotherapy, or chemoimmunotherapy and ≥2 previous doses of rituximab
- Not rituximab-refractory

≤12 cycles or until PD, relapse, intolerance, or withdrawal of consent

## R-lenalidomide (R<sup>2</sup>)

Rituximab: 375 mg/m<sup>2</sup> d1, 8, 15, 22 of cycle 1; d1 of cycles 2-5  
Lenalidomide: 20 mg/d,\* d1-21/28 (12 cycles)

\*10 mg if CrCl between 30 and 59 mL/min.

## R-placebo

Rituximab: 375 mg/m<sup>2</sup> d1, 8, 15, 22 of cycle 1; d1 of cycles 2-5  
Placebo: matched capsules (12 cycles)

1:1

5-year follow-up for OS, SPMs, subsequent treatment, and response to next therapies

## Primary endpoint

PFS by IRC (2007 IWG criteria without PET)

- Prophylactic anticoagulation/antiplatelet Rx recommended for at-risk patients

## Stratification

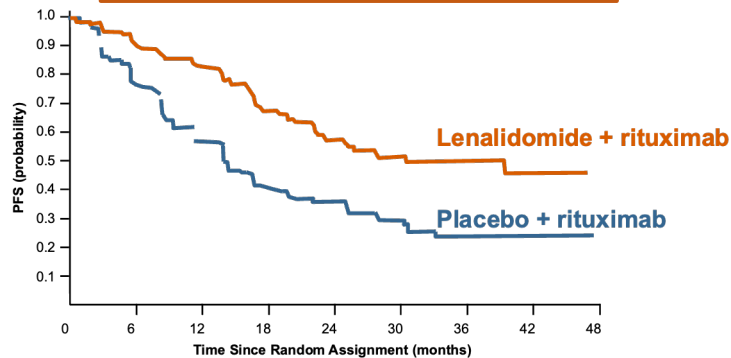
- Prior rituximab (yes vs no)
- Time since last therapy (≤ 2 vs > 2 y)
- Histology (FL vs MZL)

# R<sup>2</sup> vs R in R/R FL and MZL

## Phase III AUGMENT Study: PFS, OS

### Progression-free Survival

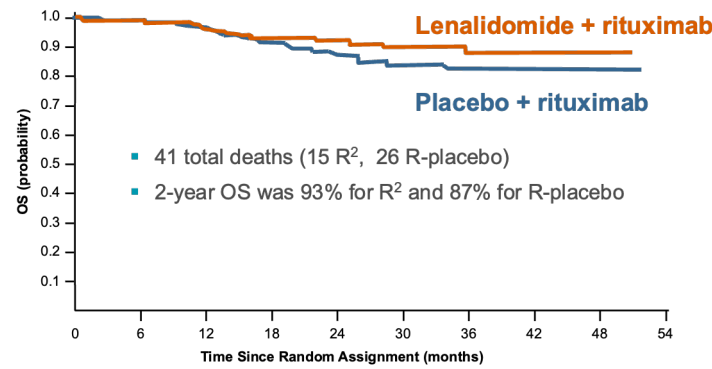
HR, 0.46 (95% CI, 0.34 to 0.62)  
P < 0.0001



No. at risk	0	6	12	18	24	30	36	42	48
Lenalidomide + rituximab	178	148	124	91	59	39	20	7	0
Placebo + rituximab	180	132	92	58	40	26	10	4	0

### Overall Survival

HR, 0.61 (95% CI, 0.33 to 1.13)



No. at risk	0	6	12	18	24	30	36	42	48	54
Lenalidomide + rituximab	178	167	155	143	122	80	44	15	1	0
Placebo + rituximab	180	176	167	145	116	79	40	14	3	0

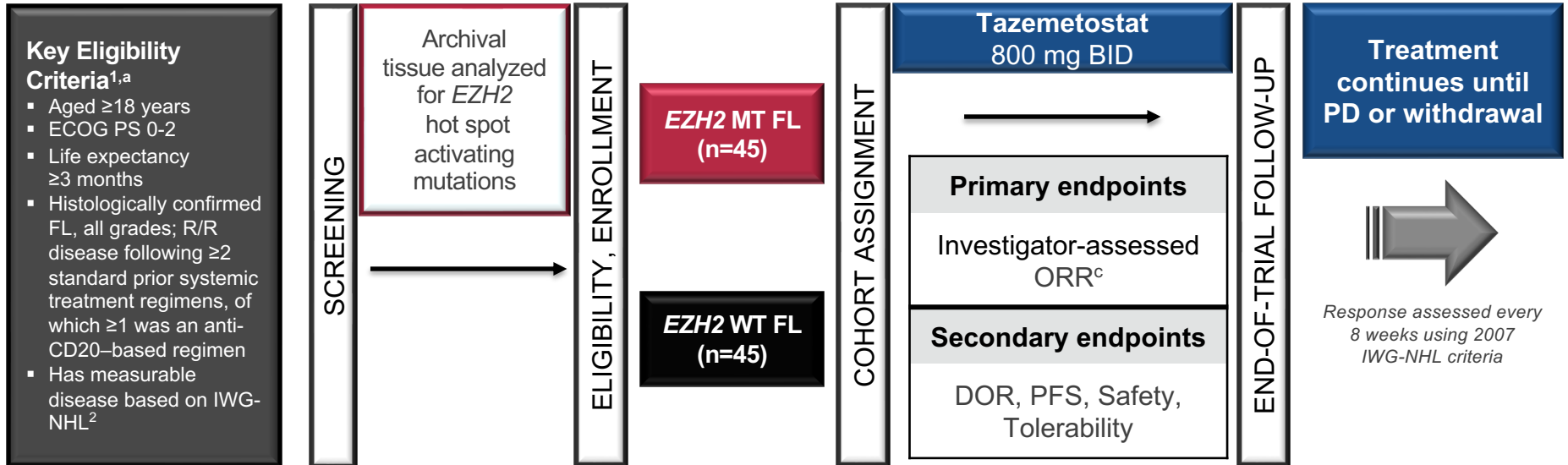
- 41 total deaths (15 R<sup>2</sup>, 26 R-placebo)
- 2-year OS was 93% for R<sup>2</sup> and 87% for R-placebo

Median PFS	R <sup>2</sup> (n=178)	R-Placebo (n=180)	HR	P Value
By IRC, mo (95% CI)	39.4 (22.9-NE)	14.1 (11.4-16.7)	0.46 (0.34-0.62)	<0.0001
By INV, mo (95% CI)	25.3 (21.2-NE)	14.3 (12.4-17.7)	0.51 (0.38-0.69)	<0.0001

Median follow-up: 28.3 months

# Tazemetostat for R/R FL

## Phase 2, Open-Label, Multicenter Study



<sup>a</sup>For a full list of study eligibility criteria, please see [Clinicaltrials.gov/ct2/show/NCT01897571](https://clinicaltrials.gov/ct2/show/NCT01897571). <sup>b</sup>Actual enrollment: n=54. <sup>c</sup>ORR defined as the number of participants with a best objective response of CR or PR.

# Tazemetostat for R/R FL

## Phase 2, Open-Label, Multicenter Study

### Response in the MT *EZH2* Cohort

Response in MT <i>EZH2</i> (n=45)	IRC	INV
<b>ORR, n (%)</b> [95% CI <sup>a</sup> ]	31 (69) [53, 82]	35 (78) [63, 89]
<b>CR, n (%)</b>	6 (13)	4 (9)
<b>PR, n (%)</b>	25 (56)	31 (69)
<b>SD, n (%)</b>	13 (29)	10 (22)
<b>PD, n (%)</b>	1 (2)	0

- 44 of 45<sup>b</sup> (98%) patients with evidence of tumor reduction, by IRC
- mPFS, 13.8 mos (95% CI, 10.7-22.0)

<sup>a</sup>By Brookmeyer and Crowley method. <sup>b</sup>4 subjects with missing post-baseline values and 1 subject with poor image. <sup>c</sup>Best overall response based on Cheson (2007) criteria for lymphomas.

### Response in the WT *EZH2* Cohort

Response in WT <i>EZH2</i> (n=54)	IRC	INV
<b>ORR, n (%)</b> [95% CI <sup>a</sup> ]	19 (35) [23, 49]	18 (33) [21, 48]
<b>CR, n (%)</b>	2 (4)	3 (6)
<b>PR, n (%)</b>	17 (31)	15 (28)
<b>SD, n (%)</b>	18 (33)	16 (30)
<b>PD, n (%)</b>	12 (22)	16 (30)
<b>NE/missing/unknown,<sup>b</sup> n (%)</b>	5 (9)	4 (7)

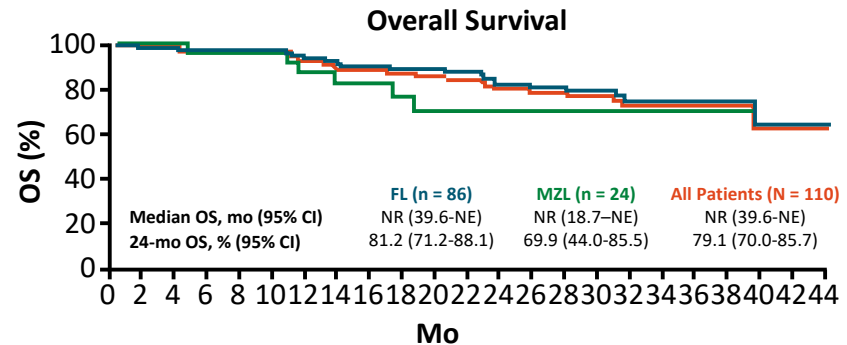
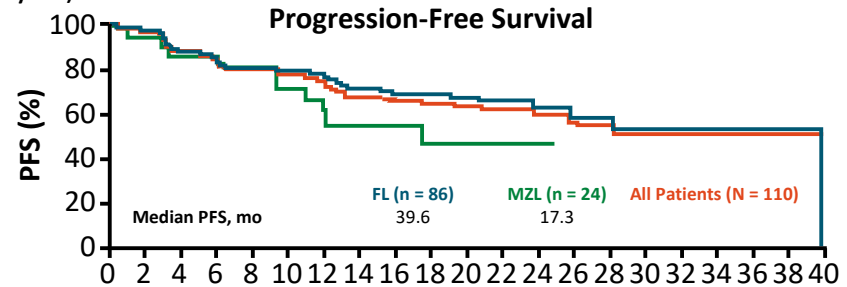
- 37 of 49<sup>c</sup> (69%) patients with evidence of tumor reduction, by IRC
- mPFS, 11.1 mos (95%CI, 3.7-14.6)

# ZUMA-5: Axicabtagene Ciloleucel for Relapsed/Refractory Indolent NHL (FL or MZL)

- Single-arm phase II study of axicabtagene ciloleucel for patients with R/R indolent B-cell NHL (FL or MZL) with  $\geq 2$  prior therapies (N = 110 eligible for efficacy analysis)

Outcome	FL (n = 86)	MZL (n = 24)	All (N = 110)
ORR, n (%)	81 (94)	20 (83)	--
▪ CR	68 (79)	15 (63)	--
▪ PR	13 (15)	5 (21)	--
▪ SD	3 (3)	0	--
▪ PD	0	1 (4)	--
▪ ND	2 (2)	3 (13)	--
Median DoR, mo (95% CI)	38.6 (24.7-NE)	NR (8.2-NE)	38.6 (24.7-NE)
24-mo DoR, % (95% CI)	66.1 (53.9-75.8)	NR (NE-NE)	63.5 (52.4-72.7)

- CRS grade  $\geq 3$ , 7% (6% FL); neurotoxicity grade  $\geq 3$ , 19% (15% FL); tocilizumab, 49%; corticosteroids, 36%

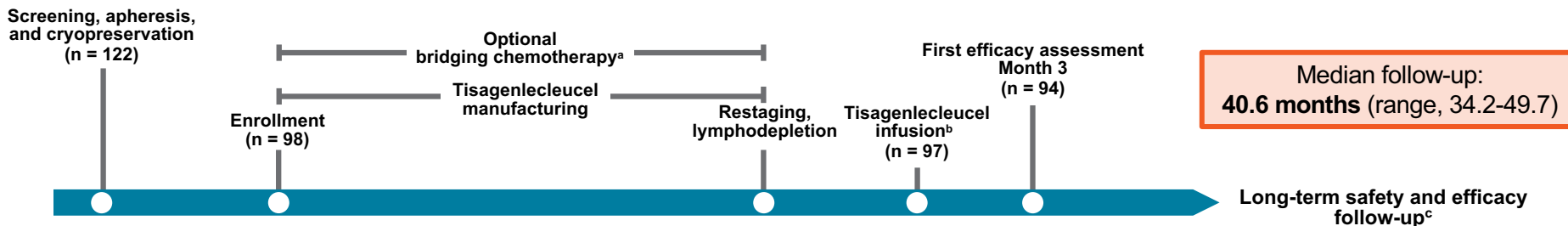


# ZUMA-5 CRS and Neurologic Events

Parameter	CRS <sup>a</sup>			Neurologic Events <sup>a</sup>		
	FL (n=124)	MZL (n=22)	All Patients (N=146)	FL (n=124)	MZL (n=22)	All Patients (N=146)
Any grade	97 (78)	22 (100)	119 (82)	70 (56)	17 (77)	87 (60)
Grade ≥3	8 (6)	2 (9)	10 (7)	19 (15)	9 (41)	28 (19)
Most common CRS symptoms of any grade, n/n (%)						
Pyrexia	94/97 (97)	20/22 (91)	114/119 (96)	–	–	–
Hypotension	39/97 (40)	10/22 (45)	49/119 (41)	–	–	–
Most common neurologic events of any grade, n/n (%)						
Tremor	–	–	–	36/70 (51)	9/17 (53)	45/87 (52)
Confusional state	–	–	–	28/70 (40)	7/17 (41)	35/87 (40)
Tocilizumab use, n (%)	56 (45)	15 (68)	71 (49)	7 (6)	2 (9)	9 (6)
Corticosteroid use, n (%)	19 (15)	6 (27)	25 (17)	38 (31)	14 (64)	52 (36)
Median time to onset (range), days	4 (1–15)	4 (1–9)	4 (1–15)	7 (1–177)	7 (3–19)	7 (1–177)
Median duration of events (range), days	6 (1–27)	6 (2–14)	6 (1–27)	14 (1–452)	10 (2–81)	14 (1–452)
Patients with resolved events, n/n (%)	96/97 (99) <sup>b</sup>	22/22 (100)	118/119 (99) <sup>b</sup>	67/70 (96)	14/17 (82)	81/87 (93)



# ELARA Study Design



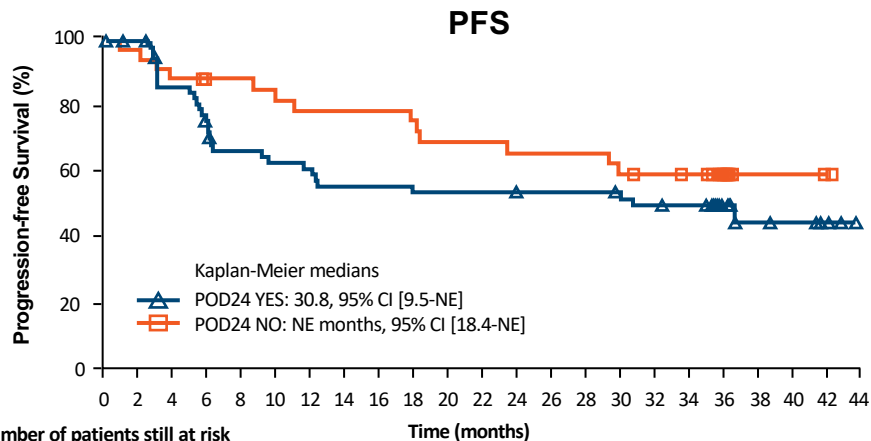
Key eligibility criteria	Study treatment	End points
<ul style="list-style-type: none"> <li>• ≥18 years of age</li> <li>• FL grade 1, 2, or 3A</li> <li>• Relapsed/refractory disease<sup>d</sup></li> <li>• No evidence of histological transformation/FL3B</li> <li>• No prior anti-CD19 therapy or allogeneic HSCT</li> </ul>	Tisagenlecleucel dose range (single IV infusion) was 0.6-6 × 10 <sup>8</sup> CAR-positive viable T cells	<p><b>Primary:</b> CRR by IRC</p> <p><b>Secondary:</b> ORR, DOR, PFS, OS, safety, cellular kinetics</p>

- Bridging therapy was allowed and was followed by disease re-evaluation before tisagenlecleucel infusion

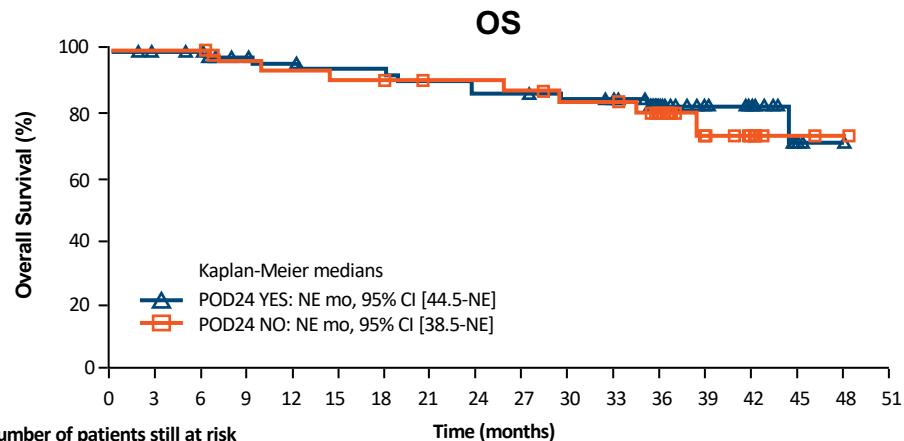
CAR, chimeric antigen receptor; CD, cluster of differentiation; CRR, complete response rate; DOR, duration of response; FL, follicular lymphoma; FL3B, FL grade 3B; HSCT, hematopoietic stem cell transplant; IRC, independent review committee; IV, intravenous; ORR, overall response rate; OS, overall survival; PFS, progression-free survival.

<sup>a</sup>Disease was reassessed prior to infusion for all patients requiring bridging therapy. <sup>b</sup>Infusion was conducted on an in- or outpatient basis at investigator discretion. <sup>c</sup>Every 3 months until Month 12, and every 6 months until end of study. <sup>d</sup>Refractory to ≥2nd line of systemic therapy (including an anti-CD20 antibody and alkylating agent) or relapsed within 6 months after ≥2nd line of therapy or after an autologous HSCT.

# 36-Month PFS and OS Rates Were Consistent Among Patients With and Without POD24



	0	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44
POD24 Yes	61	59	49	40	36	34	33	30	30	29	29	29	28	28	28	27	25	24	14	7	6	3	0
POD24 No	33	32	29	27	27	25	24	24	24	23	21	21	20	20	20	18	17	16	8	3	3	1	0



	0	3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	51
POD24 Yes	61	59	58	53	51	49	49	47	45	45	43	42	30	19	15	3	1	0
POD24 No	33	33	33	31	30	29	29	27	27	26	24	24	17	9	5	2	1	0

- 36-month PFS rate was 50% (95% CI, 35.8-61.9) in the POD24 subgroup and 59% (95% CI, 39.5-73.5) in patients without POD24

- 36-month OS rate was 83% (95% CI, 69.1-90.5) in the POD24 subgroup and 80% (95% CI, 60.9-90.6) in patients without POD24

# Mosunetuzumab Monotherapy in 3L+ FL

## Study design

Pivotal, single-arm, Phase II expansion study in patients with R/R FL and  $\geq 2$  prior therapies (NCT02500407)

### Key inclusion criteria

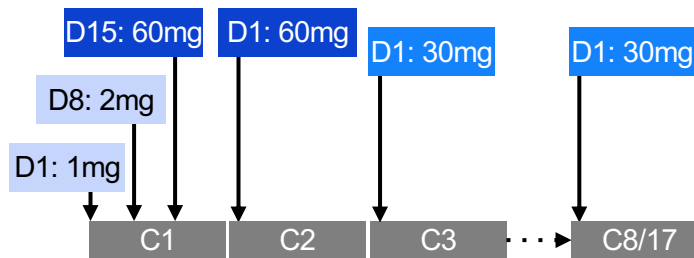
- FL Grade 1–3a
- ECOG PS 0–1
- $\geq 2$  prior therapies including an anti-CD20 antibody and an alkylator

### Data analysis

- Study met its primary endpoint: 60% CR rate versus 14% historic control ( $p < 0.0001$ )<sup>1,2</sup>
- Updated efficacy and safety analysis with a median follow-up of 37.4 months

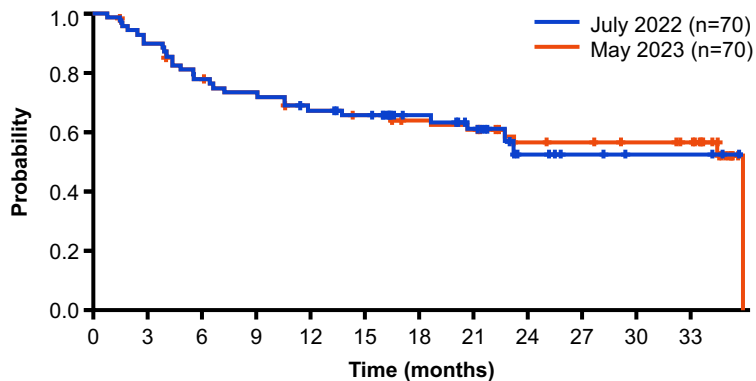
### Mosunetuzumab administration

- IV mosunetuzumab administered in 21-day cycles with step-up dosing in C1
- Fixed-duration treatment: 8 cycles if CR after C8; 17 cycles if PR/SD after C8
- Retreatment with mosunetuzumab permitted at relapse for patients who achieved CR
- No mandatory hospitalization



# Durability of responses

DOR (July 2022 vs May 2023 data cut-off)



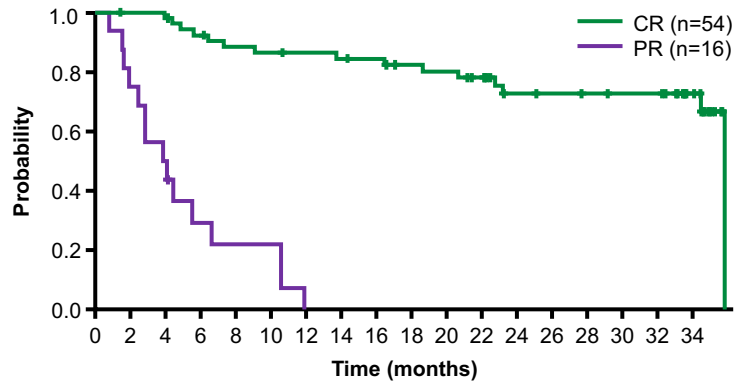
Patients at risk

	0	3	6	9	12	15	18	21	24	27	30	33
July 2022	70	62	52	48	42	38	30	25	9	5	3	3
May 2023	70	62	52	48	43	41	38	36	26	25	23	21

n=70

Median DOR, months (95% CI)	35.9 (20.7–NE)
30-month DOR rate, % (95% CI)	56.6% (44.2–68.9)

DOR for CR vs PR (May 2023 data cut-off)



Patients at risk

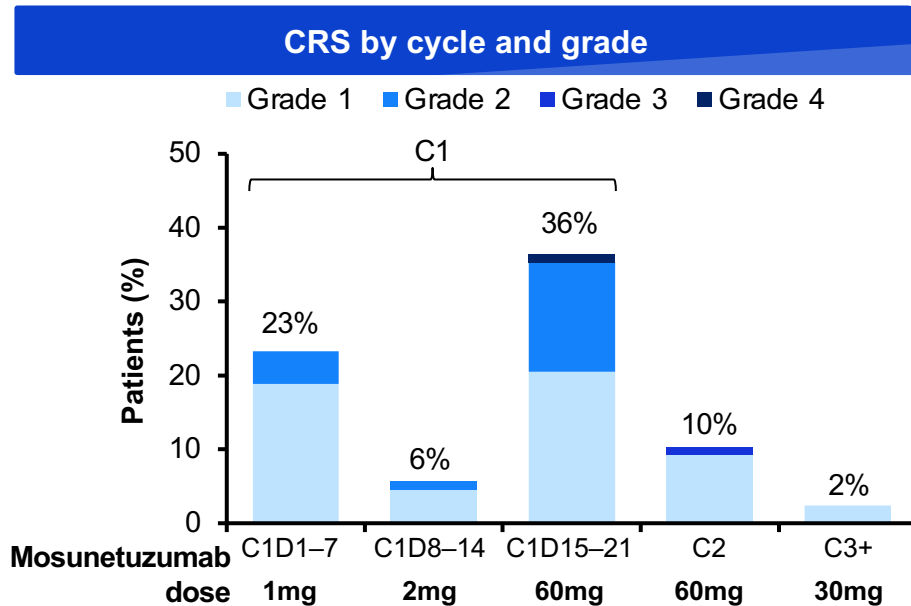
	0	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34
CR	54	53	52	48	45	44	43	42	41	38	37	34	26	25	24	23	23	15
PR	16	12	8	4	3	3	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE

Median DOR in patients with CR, months (95% CI); n=54	35.9 (NE–NE)
Median DOR in patients with PR, months (95% CI); n=16	4.0 (2.5–6.7)

**72.7% of the patients with a CR were estimated to remain alive and progression free 30 months after their first response**

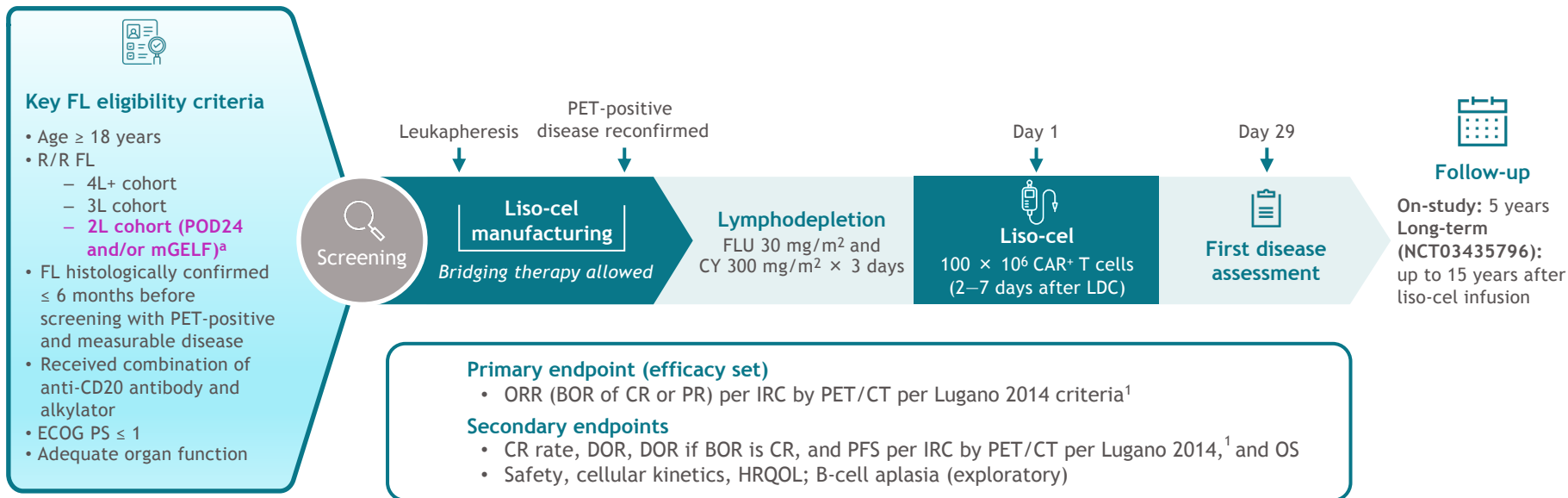
# CRS summary

CRS by ASTCT criteria <sup>1</sup>	N=90
CRS (any grade), n	40 (44%)
Grade 1	23 (26%)
Grade 2	15 (17%)
Grade 3	1 (1%)
Grade 4	1 (1%)
Median time to CRS onset, hours (range)	
C1D1	5 (1–24)
C1D15	27 (0–391)
Median CRS duration, days (range)	3 (1–29)
Corticosteroids for CRS management, n	10 (11%)*
Tocilizumab for CRS management, n	7 (8%)*
Events resolved	100%



**CRS was predominantly low grade and occurred during C1**  
**All CRS events resolved; no new events were reported in this extended follow-up**

# TRANSCEND FL: phase 2, open-label, multicenter Lisocabtagene maraleucel in R/R FL



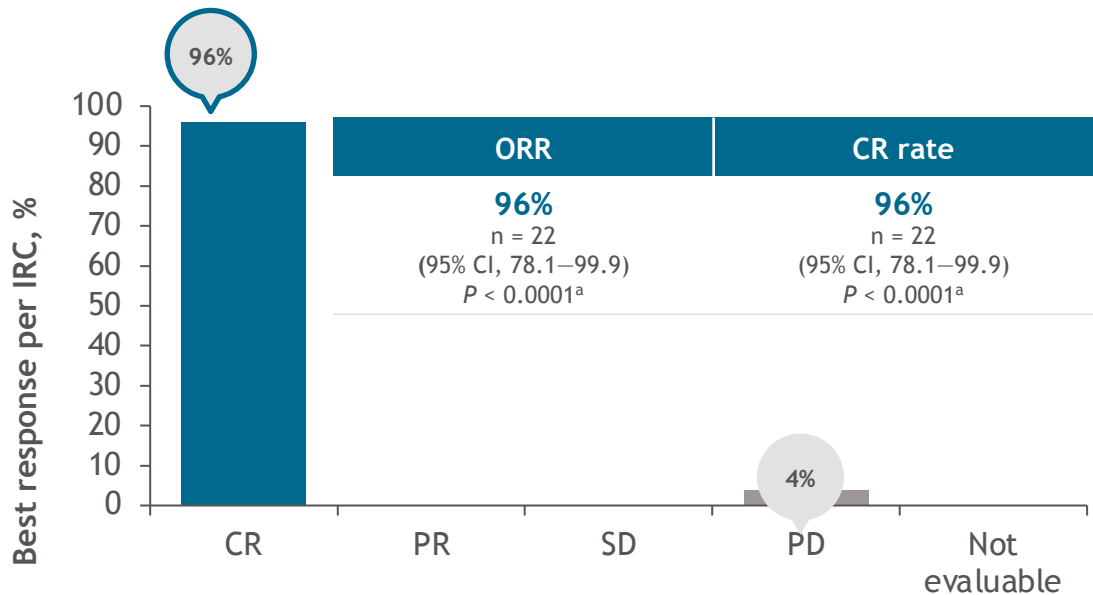
- Study endpoints of ORR and CR rate were tested hierarchically with null hypotheses in the following order at 1-sided  $\alpha = 0.025$  significance:
  - Sequence 1: 3L+ FL (ORR  $\leq$  60%), 4L+ FL (ORR  $\leq$  50%), 3L+ FL (CR rate  $\leq$  30%), and 4L+ FL (CR rate  $\leq$  20%); sequence 2: 2L FL (ORR  $\leq$  50%) and 2L FL (CR rate  $\leq$  19%)

ClinicalTrials.gov identifier: NCT04245839.

<sup>a</sup>POD24 was defined as progression within 24 months of diagnosis after treatment with an anti-CD20 antibody and an alkylating agent within the first 6 months of initial FL diagnosis. Patients who did not meet criteria of POD24 had to meet at least 1 criterion of the mGELF criteria (symptoms attributable to FL; threatened end-organ function, or cytopenia secondary to lymphoma or bulky disease [single mass  $>$  7 cm, or 3 or more masses  $>$  3 cm]; splenomegaly; or steady progression over at least 6 months). 3L, third line; 4L+, fourth line or later; BOR, best overall response; CY, cyclophosphamide; DOR, duration of response; FLU, fludarabine; HRQOL, health-related quality of life; IRC, independent review committee; mGELF, modified Groupe d'Etude des Lymphomes Folliculaires. 1. Cheson BD, et al. *J Clin Oncol* 2014;32:3059–3068.

# Primary endpoint: ORR per IRC by best overall response

## 2L FL efficacy set (n = 23)



**Primary and key secondary endpoints were met**  
All null hypotheses were rejected

ORR was 96%, with all responders achieving CR

In patients with 3L+ FL<sup>1</sup>

- ORR = 97%
- CR rate = 94%

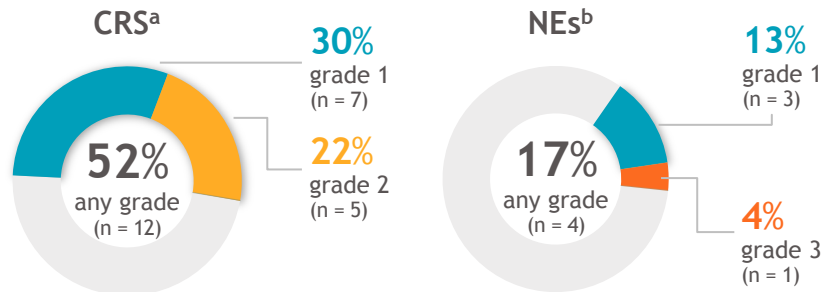
<sup>a</sup>One-sided  $P$  value ( $H_0$  of ORR  $\leq 50\%$ ;  $H_0$  of CR rate  $\leq 19\%$ ).

$H_0$ , null hypothesis; SD, stable disease.

1. Morschhauser F, et al. *Hematol Oncol* 2023;41(suppl 2):877–880.

# CRS and NE incidence and treatment summary in liso-cel–treated set

## 2L FL (n = 23)

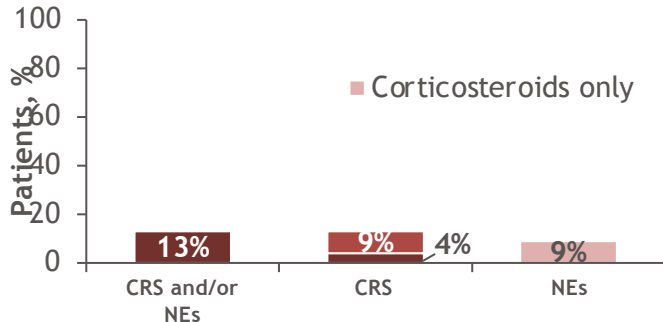


### No Grade 3–5 CRS

Median time to onset: 6 days  
Median time to resolution: 3 days

### No Grade 4–5 NEs

Median time to onset: 8.5 days  
Median time to resolution: 2.5 days



## CRS in 2L vs 3L+ FL

- 52% vs 59% with any-grade CRS
- Grade 1–2 CRS only vs 1% grade 3 CRS (all others grade 1–2)
- Median time to onset of 6 days in both cohorts
- Median time to resolution of 3 vs 4 days

## NEs in 2L vs 3L+ FL

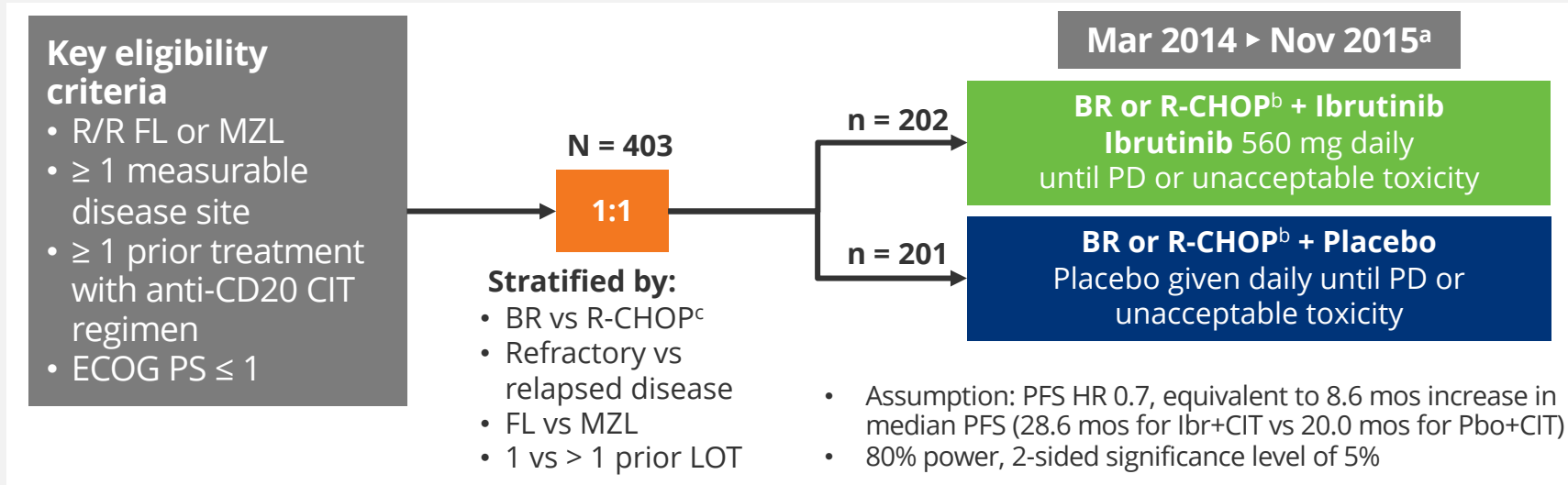
- 17% vs 15% with any-grade NEs
- No grade 4–5 NEs in either cohort
  - 4% vs 2% with grade 3 NEs
- Median time to onset of 8.5 days in both cohorts
- Median time to resolution of 2.5 vs 4.5 days

**13% vs 31% received tocilizumab and/or corticosteroids to manage CRS/NEs**

<sup>a</sup>Graded according to the Lee 2014 criteria; <sup>b</sup>Defined as investigator-identified neurological AEs related to liso-cel and graded per the NCI CTCAE, version 5.0; NE, neurological event.



# SELENE (NCT01974440): A Randomized, Double-Blind, Placebo-Controlled, Phase 3 Study of BR/RCHOP +/- ibrutinib in R/R FL/MZL



**Primary end point:** Progression-free survival (investigator-assessed)

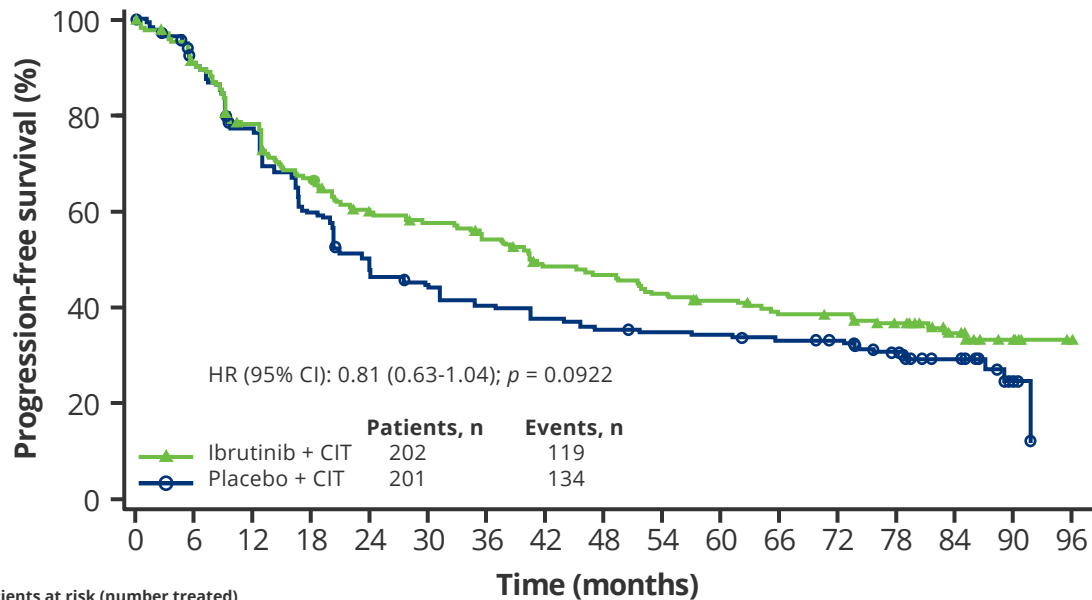
**Secondary end points:** Overall survival, Complete Response Rate, Overall Response Rate, Duration of Response, Patient-Reported Outcomes (FACT-Lym); Safety

Nastoupil, ICML, LBA 2023

<sup>a</sup>Enrollment period. <sup>b</sup>Given for 6 cycles. <sup>c</sup>Investigator discretion.

BR, bendamustine plus rituximab; CIT, chemoimmunotherapy; ECOG PS, Eastern Cooperative Oncology Group performance status; FL, follicular lymphoma; HR, hazard ratio; Ibr, ibrutinib; LOT, line of therapy; mos, months; MZL, marginal zone lymphoma; Pbo, placebo; PD, progressive disease; R-CHOP, rituximab, cyclophosphamide, doxorubicin, vincristine and prednisone; R/R, relapsed/refractory.

# Despite Favorable Median PFS With Ibrutinib + CIT, the Primary Study End Point Was Not Met



Patients at risk (number treated)

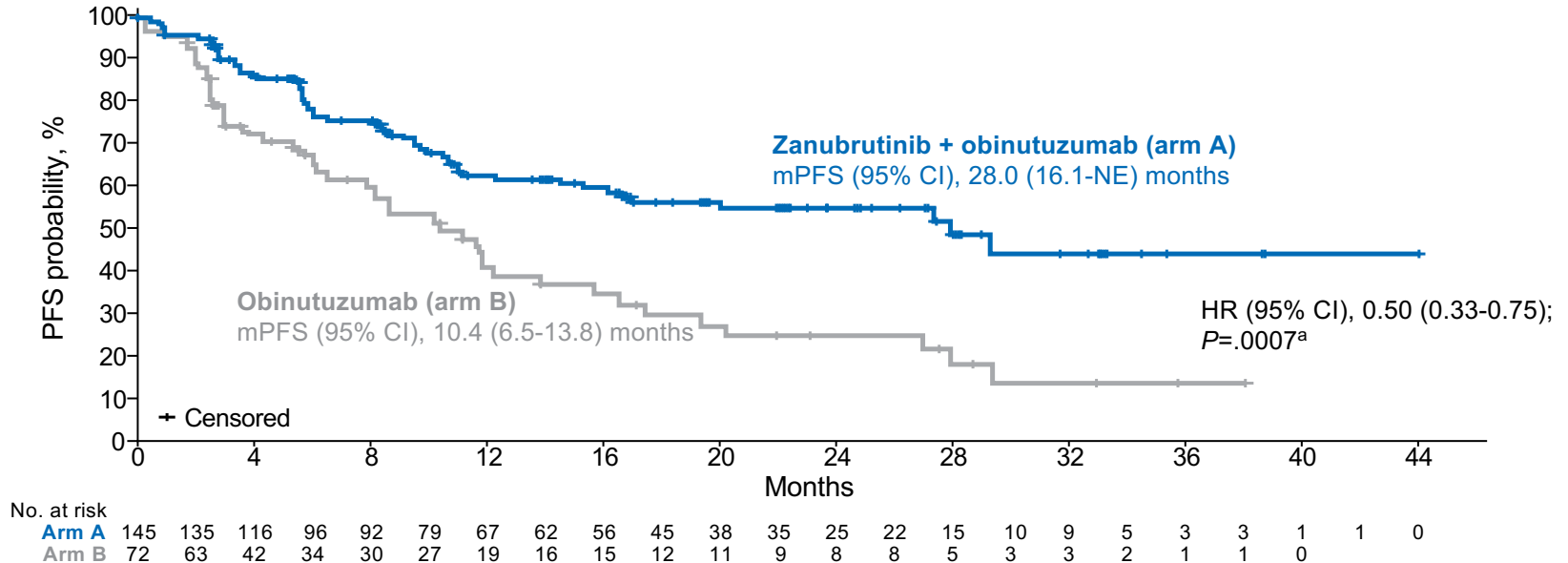
Ibrutinib + CIT	202(201)	174(149)	147(110)	125(93)	108(82)	103(77)	96(72)	84(62)	81(57)	74(52)	69(49)	63(46)	61(44)	55(39)	34(28)	15(12)	0(1)
Placebo + CIT	201(199)	172(167)	144(130)	112(99)	88(81)	81(69)	74(63)	69(58)	65(53)	63(48)	62(45)	59(44)	57(42)	46(38)	32(27)	6(7)	0(0)

**ITT population: PFS at median follow-up of 84 months:**

- Ibrutinib + CIT, 40.5 months
- Placebo + CIT, 23.8 months

# Phase 2 ROSEWOOD: Zanubrutinib + Obinutuzumab superior to Obinutuzumab alone

- In the randomized phase 2 ROSEWOOD study in R/R FL (NCT03332017), zanubrutinib + obinutuzumab led to an IRC-assessed ORR of 69.0% (CR rate, 39.3%); mPFS at 24 months of 28 months

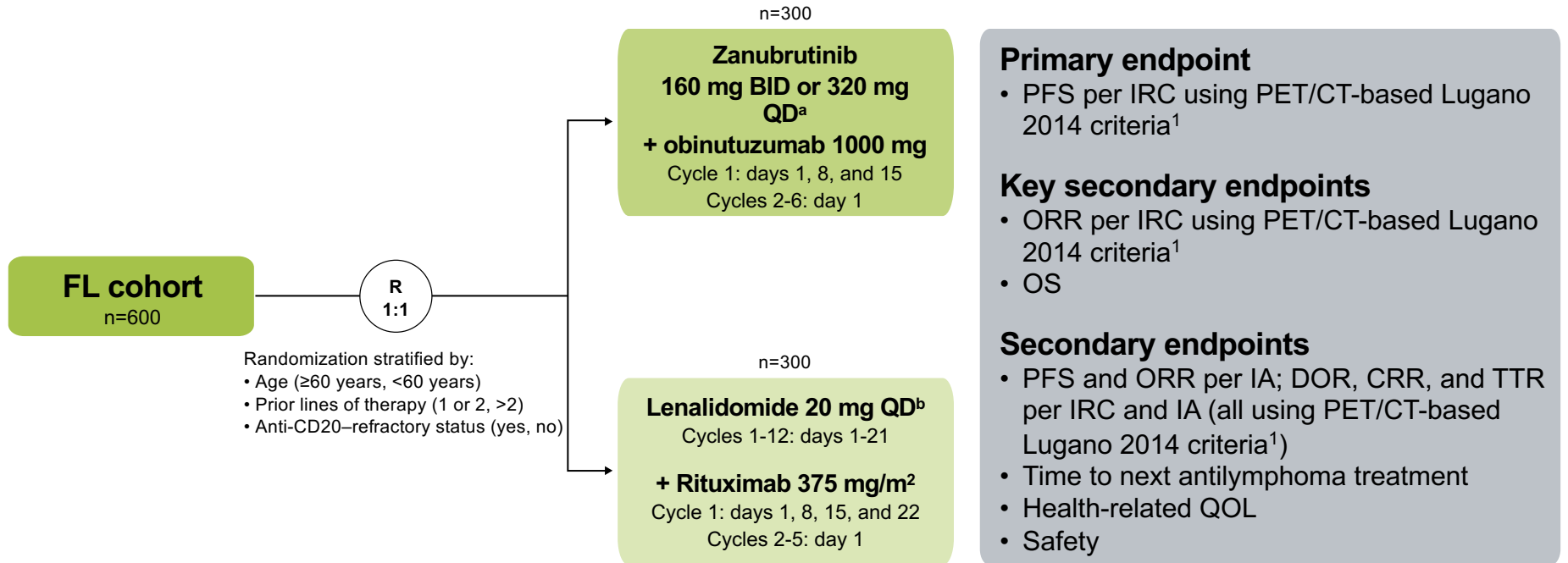


Median follow-up, 20.2 months.

CR, complete response; FL, follicular lymphoma; HR, hazard ratio; IRC, independent review committee; mPFS, median PFS; NE, not estimable; ORR, overall response rate; PFS, progression-free survival; R/R, relapsed/refractory.

<sup>a</sup> Descriptive 2-sided  $P$  value. Zinzani PL, et al. Presented at: 17th International Conference on Malignant Lymphoma; June 13-17, 2023; Lugano, Switzerland. Abstract 81.

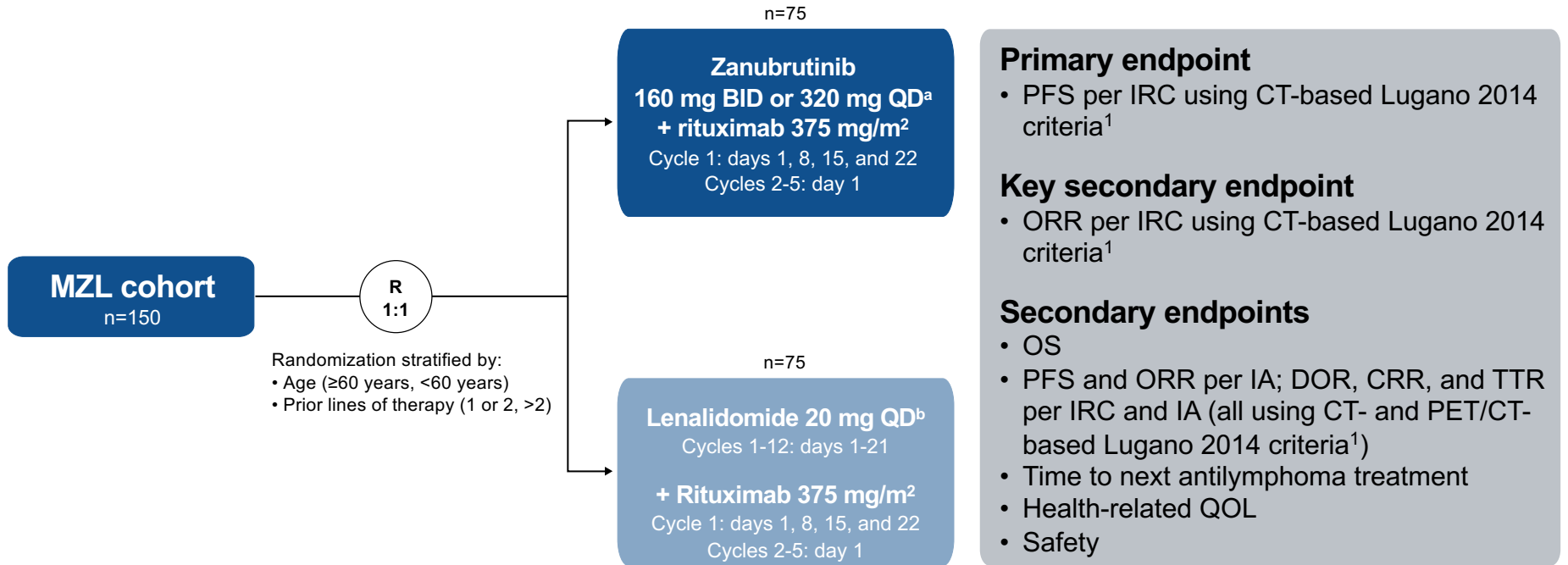
# MAHOGANY: Phase 3 Study Design: FL Cohort



One cycle is 28 days.

BID, twice daily; CRR, complete response rate; CT, computed tomography; DOR, duration of response; FL, follicular lymphoma; IA, investigator assessment; IRC, independent review committee; ORR, overall response rate; OS, overall survival; PET, positron emission tomography; PFS, progression-free survival; QD, once daily; QOL, quality of life; R, randomized; TTR, time to response. <sup>a</sup> After completion of combination treatment, patients will receive zanubrutinib monotherapy until confirmed disease progression, unacceptable toxicity, withdrawal of consent, or study termination, whichever comes first. <sup>b</sup> Patients with creatinine clearance of ≥30 but <60 mL/min will receive 10 mg QD. If the patient remains free of lenalidomide-related grade 3 or 4 toxicities for ≥2 cycles, the dose may be increased to 15 mg QD on days 1 to 21 of a 28-day cycle at the discretion of the treating physician from cycles 3 to 12. 1. Cheson BD, et al. *J Clin Oncol*. 2014;32(27):3059-3068.

# MAHOGANY: Phase 3 Study Design: MZL Cohort



One cycle is 28 days.

BID, twice daily; CRR, complete response rate; CT, computed tomography; DOR, duration of response; IA, investigator assessment; IRC, independent review committee; MZL, marginal zone lymphoma; ORR, overall response rate; OS, overall survival; PET, positron emission tomography; PFS, progression-free survival; QD, once daily; QOL, quality of life; R, randomized; TTR, time to response. <sup>a</sup> After completion of combination treatment, patients will receive zanubrutinib monotherapy until confirmed disease progression, unacceptable toxicity, withdrawal of consent, or study termination, whichever comes first. <sup>b</sup> Patients with creatinine clearance of  $\geq 30$  but  $< 60$  mL/min will receive 10 mg QD. If the patient remains free of lenalidomide-related grade 3 or 4 toxicities for  $\geq 2$  cycles, the dose may be increased to 15 mg QD on days 1 to 21 of a 28-day cycle at the discretion of the treating physician from cycles 3 to 12. 1. Cheson BD, et al. *J Clin Oncol*. 2014;32(27):3059-3068.

# Conclusions

- 1. Bispecifics are exciting, approved for 3<sup>rd</sup> line, how does this impact sequencing now and in the future?**
  - I would consider most for a bispecific in 3<sup>rd</sup> line
  - I eagerly await the randomized trials in 2<sup>nd</sup> line + to know if a combo is preferred over monotherapy
- 2. When do you use CAR T-cell therapy?**
  - For concerns for transformed disease
  - Young fit patients with high-risk features
  - Will liso-cel change this given the favorable safety profile?
- 3. Is there still a role for BTK inhibitors?**
  - Would not use ibrutinib in R/R FL or MZL
  - Single agent approval of zanubrutinib in MZL, anticipate an approval in combination with obin in R/R FL
- 4. When will we have a new frontline approach?**
  - Bispecifics are the most exciting new therapy and will likely move into frontline
  - Do you need a combination approach?