

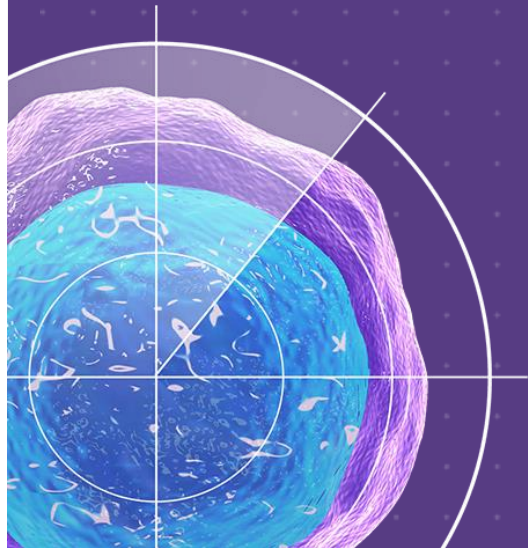


# How to treat early relapse in a patient with FL

**Professor Loretta J. Nastoupil**

MD Anderson Cancer Center

Houston, US



# Disclosures

---

	Research funding	Consultancy
Celgene	✓	✓
Gilead	✓	✓
Roche	✓	✓
Janssen	✓	✓
Novartis	✓	✓
Takeda	✓	✓
TG Therapeutics	✓	✓

# Clinical case: Early relapse follicular lymphoma

---

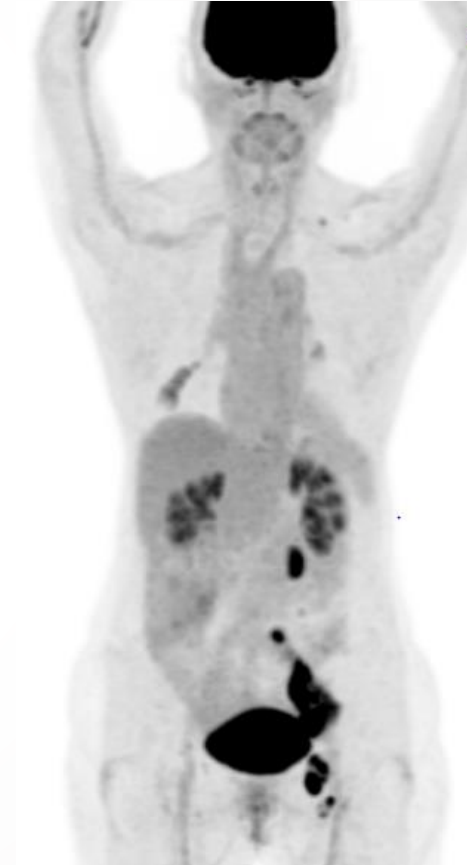
- 75 y/o female with a history of FL, Grade 3a
  - 2 years ago, she presented with widespread lymphadenopathy (>7cm)
  - Bone marrow was involved with FL (Stage IV)
  - ECOG PS 1
  - Labs notable for LDH > ULN, B2M > ULN
  - High-risk FLIPI (age, stage, LDH, # nodal sites)
  - Prior therapy: BR x 6 cycles resulting in a CR on PET/CT



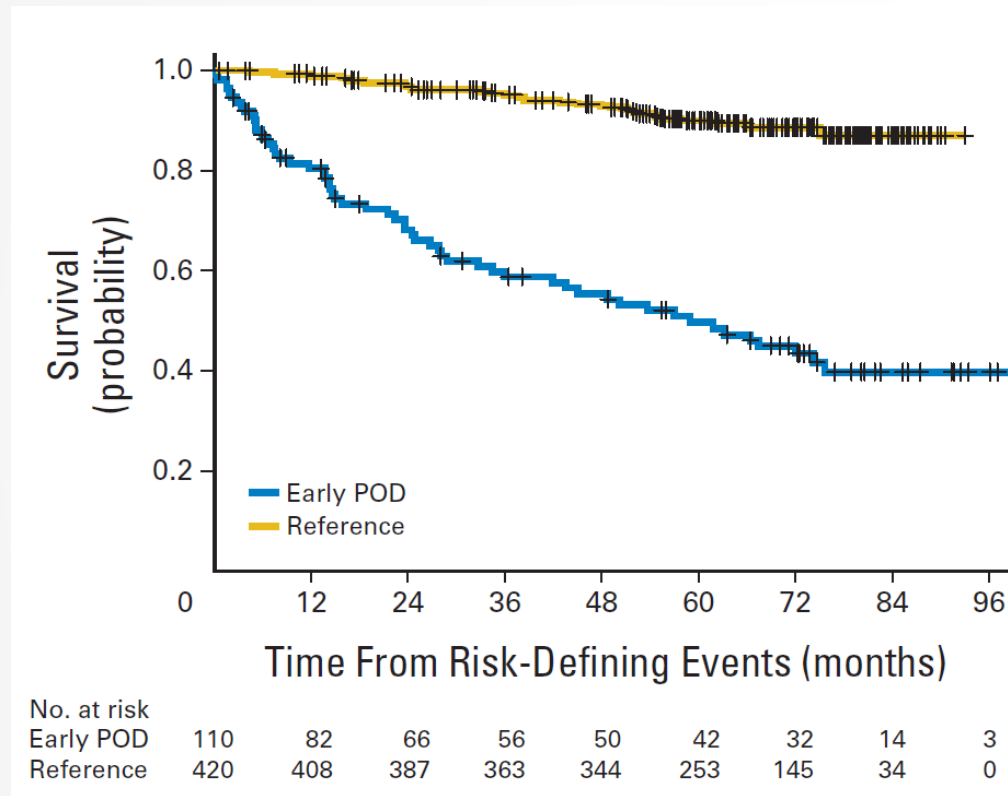
## Clinical case continued

---

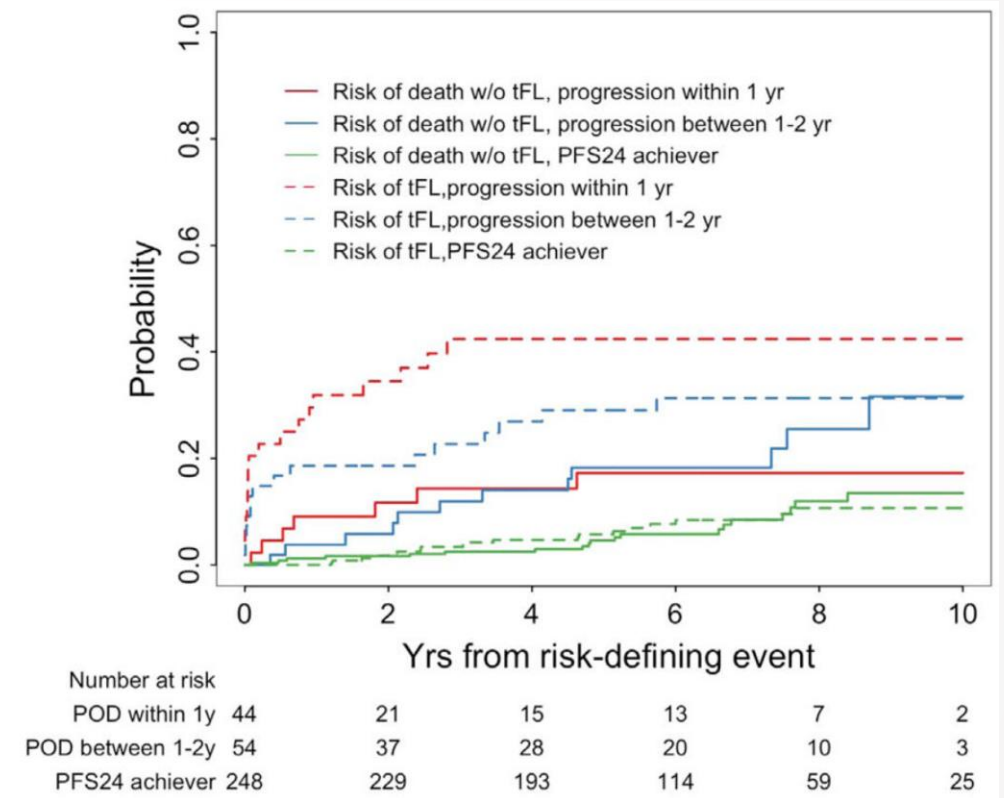
- 15 months later (21 months since diagnosis), she presents with palpable inguinal lymphadenopathy
- She reports fatigue and 15 lb weight loss
- Biopsy is pursued; confirms relapsed FL, Grade 3a
- **77 y/o F with recurrent FL (POD24); how would I treat this patient?**



# Early progression in the PET era

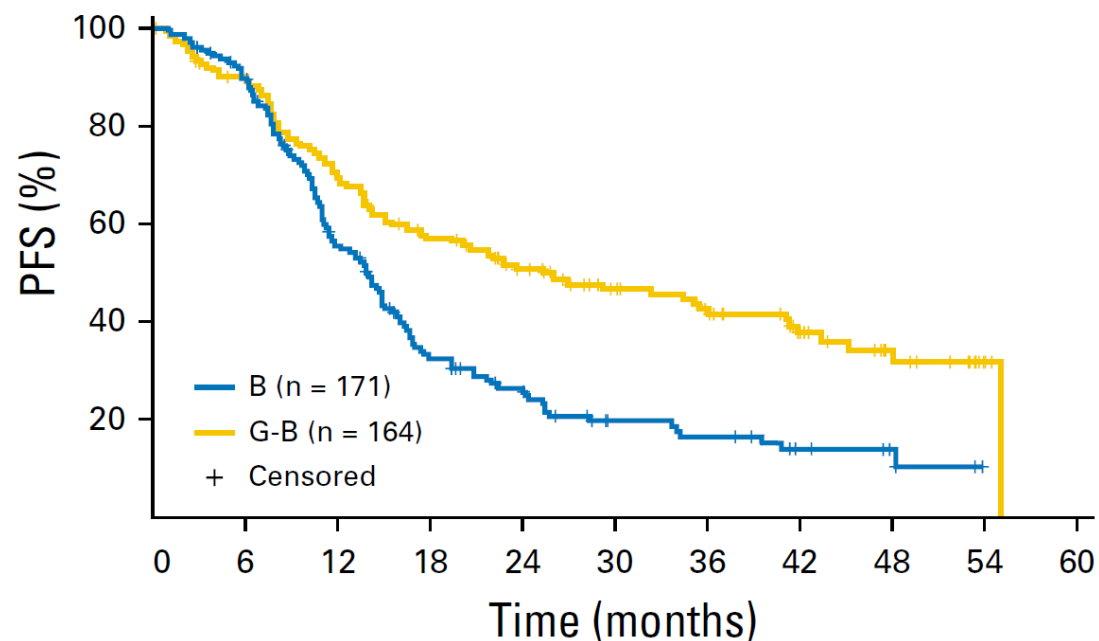


Casulo C, et al. *J Clin Oncol*. 2015;33(23):2516-2522.



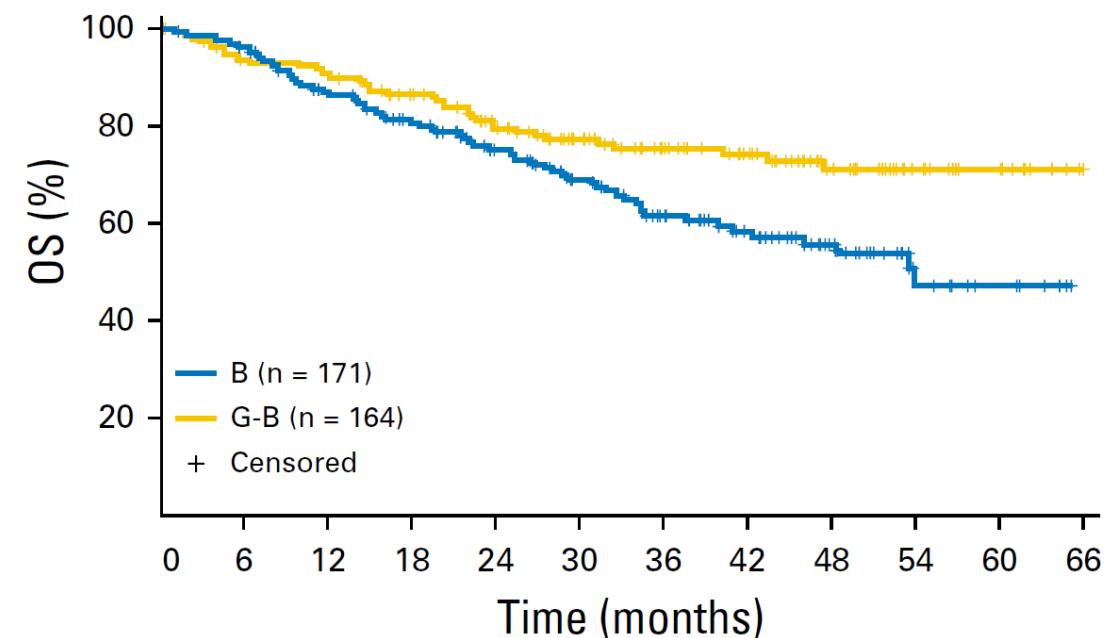
Batlevi CL, et al. *Eur J Cancer*. 2020;126:78-90.

# Obinutuzumab plus bendamustine (GADOLIN) in R/R FL



No. at risk:

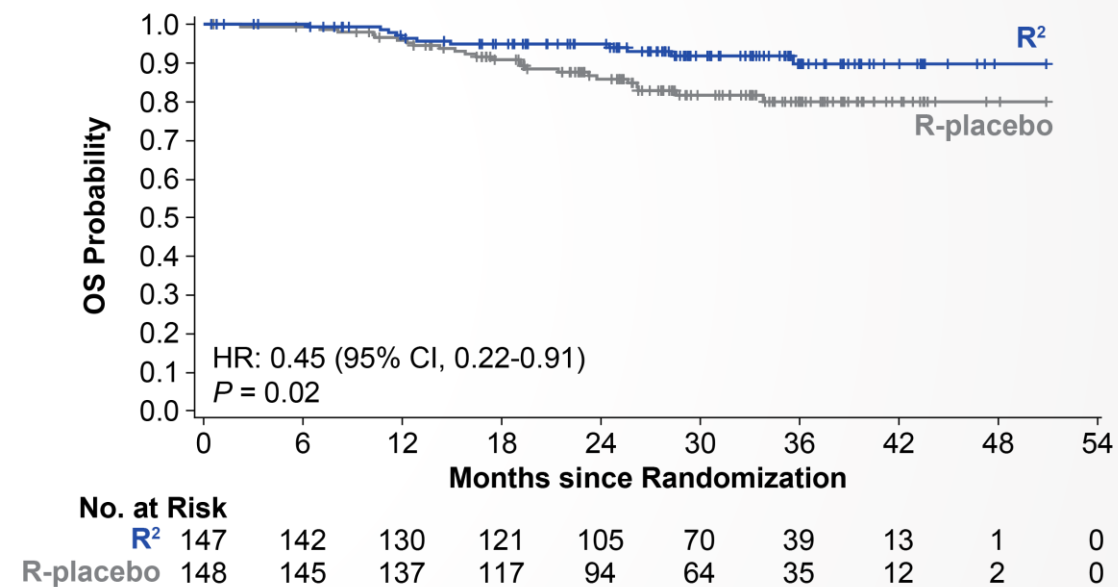
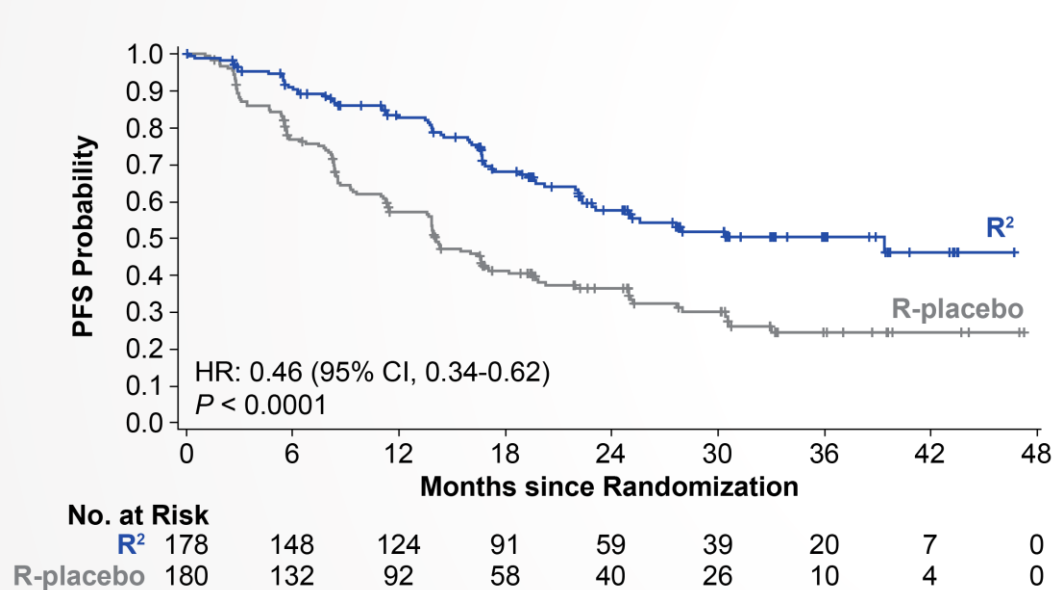
B	171	141	84	45	32	18	15	9	4	
G-B	164	138	107	86	67	49	40	26	15	4



No. at risk:

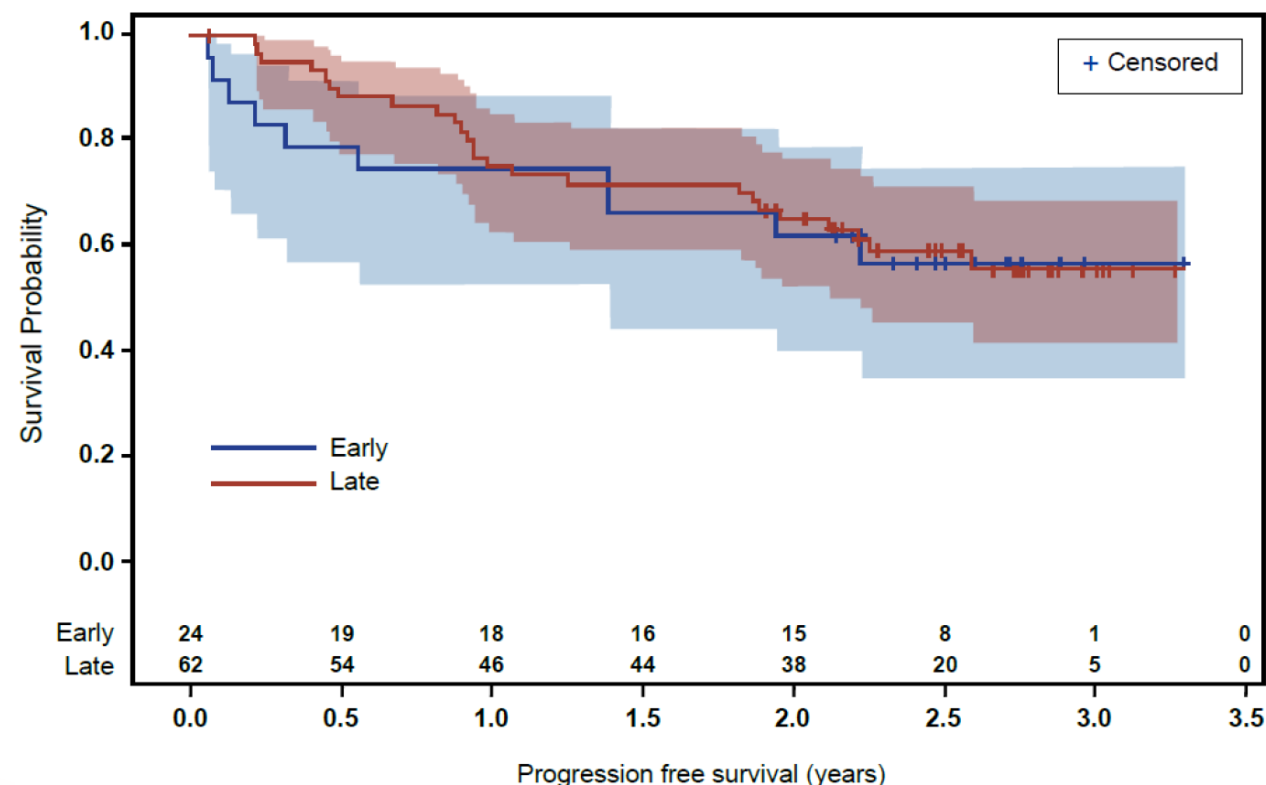
B	171	159	137	122	103	84	65	49	32	13	7
G-B	164	147	141	129	111	90	71	56	38	20	12

# Lenalidomide plus rituximab (AUGMENT) in R/R FL



# Obinutuzumab plus lenalidomide (GALEN) in R/R FL

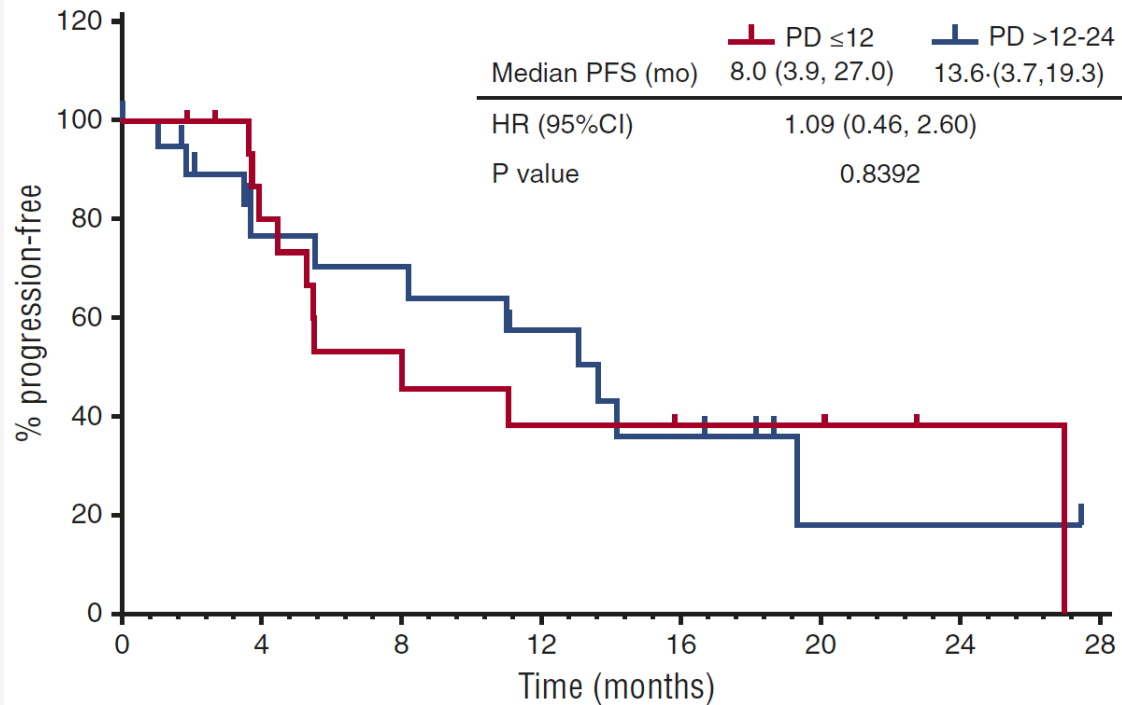
Response/survival % (95% CI)	Early relapse ( $\leq 2$ y; POD24) n = 24	Late relapse ( $> 2$ y) n = 62
ORR IWG 1999	75.0 (53.3–90.2)	87.1 (76.2–94.3)
ORR IWG 2007	70.8 (48.9–87.4)	85.5 (74.2–93.1)
2-year PFS	62.5 (40.3–78.4)	65.5 (52.1–76.0)
2-year OS	82.8 (60.3–93.2)	88.5 (77.4–94.4)



CI, confidence interval; FL, follicular lymphoma; IWG, International Working Group; ORR, overall response rate; PFS, progression-free survival; POD24 progression of disease within 24 months of diagnosis; R/R, relapsed/refractory; y, years.

Morschhauser F, et al. *Lancet Haematol*. 2019;6(8):e427-e437.

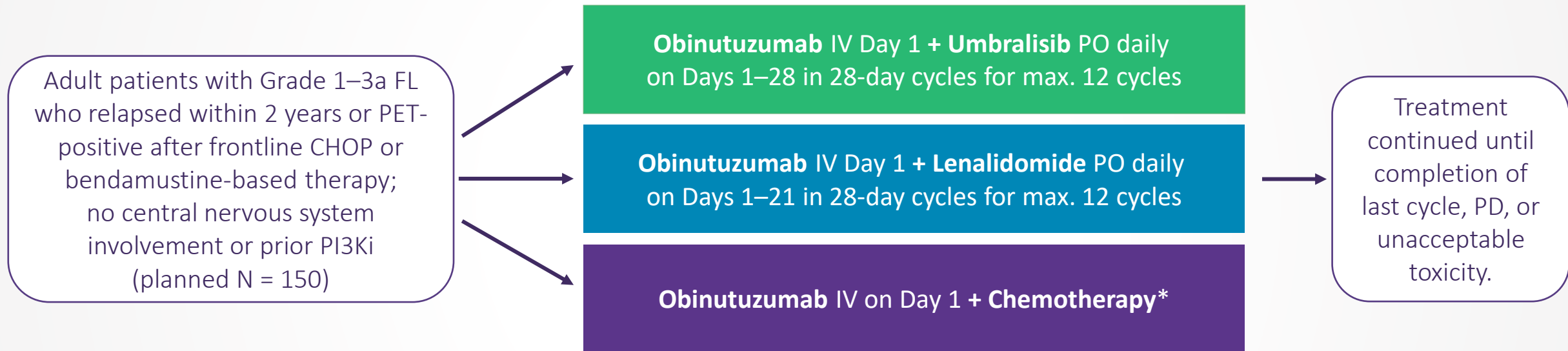
# Idelalisib in early relapse R/R FL



- 72 patients with FL
- N = 37 with early relapse (defined as PD within 24 months from the start of treatment)
- ORR was 56.8% (CR = 13.5%)
- The median PFS was 11.1 mos
  - mPFS PD ≤12 mos: 8 mos
  - mPFS PD 12–24 mos: 13.6 mos

# SWOG 1608: Randomized trial of obinutuzumab-based therapy in early progressing/refractory FL

- Prospective, multicenter, randomized, open-label phase II trial



- Primary endpoint: CR by PET/CT
- Secondary endpoints: CR30, PFS, DOR, OS, AEs, m7-FLIPI model validation<sup>†</sup>

AE, adverse event; CHOP, cyclophosphamide + doxorubicin + vincristine + prednisolone; CR30, complete response at 30 months; DOR, duration of response; FL, follicular lymphoma; FLIPI, Follicular Lymphoma International Prognostic Index; IV, intravenous; OS, overall survival; PD, progressive disease; PET, positron emission tomography; PFS, progression-free survival; PI3K, phosphoinositide 3 kinase inhibitor; PO, oral.

\*For patients who received prior bendamustine-based chemotherapy: cyclophosphamide IV, doxorubicin hydrochloride IV, and vincristine sulfate IV on Day 1, and prednisone PO on Days 1–5; obinutuzumab dosed every 21 or 28 days for a maximum of 12 cycles; and chemotherapy repeated every 21 days for a maximum of 6 cycles. For patients who received prior CHOP: bendamustine IV on Days 1 and 2; treatment dosed in 28-day cycles for a maximum of 6 (bendamustine) or 12 (obinutuzumab) cycles.

<sup>†</sup>m7-FLIPI prognostic model includes the mutation status of 7 genes (EZH2, ARID1A, MEF2B, EP300, FOXO1, CREBBP, and CARD11)

<https://www.clinicaltrials.gov/ct2/show/NCT03269669>.

# Treatment with tazemetostat demonstrated clinical activity in high-risk subgroups

IRC assessment\*

Parameter	MT <i>EZH2</i>			WT <i>EZH2</i>		
	Refractory to rituximab (n = 22)	POD24 (n = 19)	Refractory to prior treatment (n = 33)	Refractory to rituximab (n = 32)	POD24 (n = 32)	Refractory to prior treatment (n = 42)
Objective response rate, n (%) <sup>†</sup>	13 (59)	12 (63)	21 (64)	10 (31)	8 (25)	12 (29)
95% CI <sup>‡</sup>	36.4–79.3	38.4–83.7	45.1–79.6	16.1–50.0	11.5–43.4	15.7–44.6
Complete response, n (%)	2 (9)	2 (11)	5 (15)	1 (3)	1 (3)	1 (2)
Partial response, n (%)	11 (50)	10 (53)	16 (49)	9 (28)	7 (22)	11 (26)
Stable disease, n (%)	8 (36)	7 (37)	11 (33)	8 (25)	11 (34)	13 (31)
Progressive disease, n (%)	1 (5)	0	1 (3)	10 (31)	9 (28)	12 (29)
NE, missing, or unknown, n (%)	0	0	0	4 (13)	4 (13)	5 (12)
Median DOR (95% CI), months	7.3 (2.9–12.0)	6.6 (2.1–NE)	8.3 (3.7–NE)	7.4 (1.0–NE)	13.0 (0.5–NE)	7.4 (3.4–19.3)

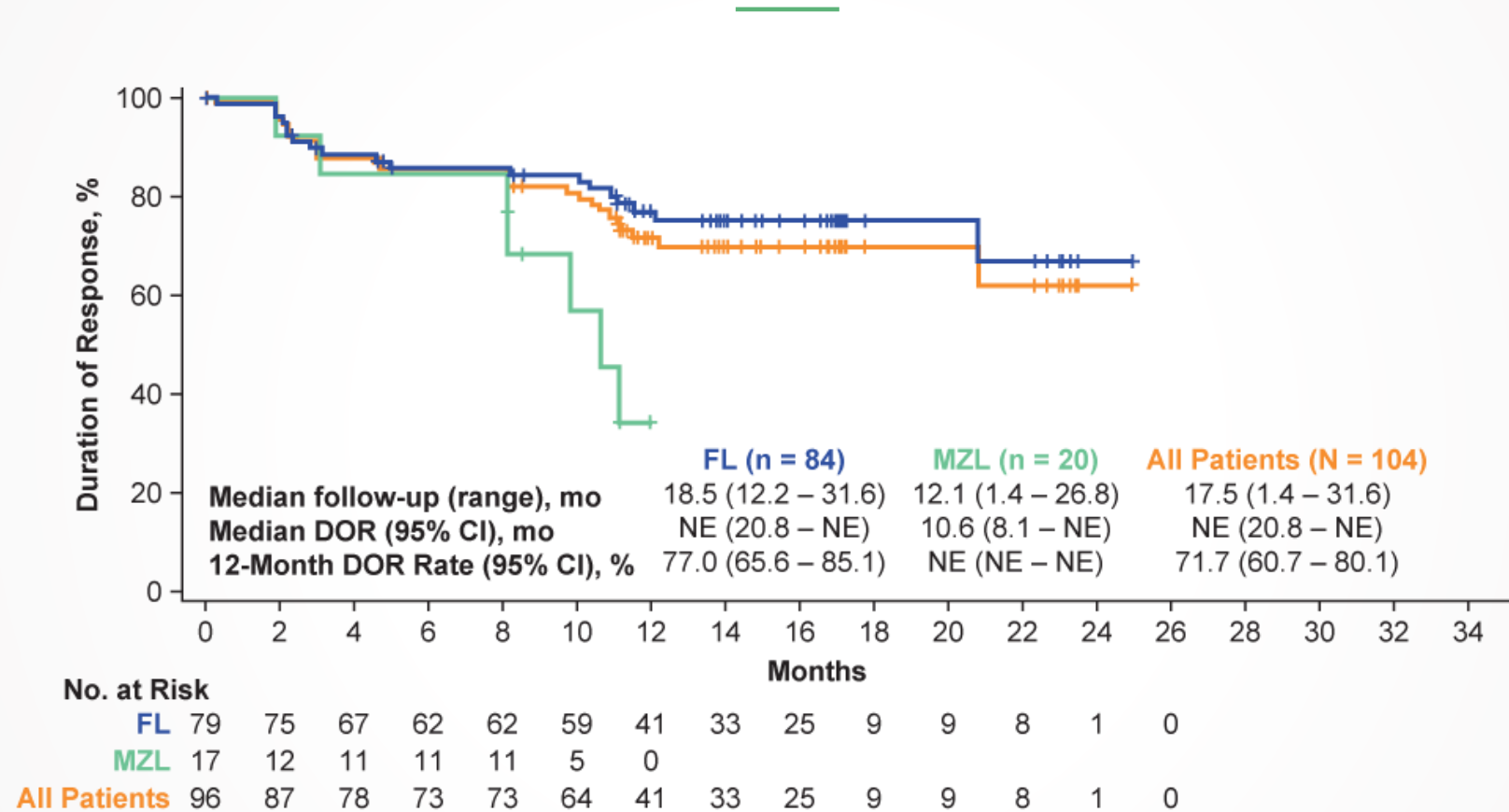
CI, confidence interval; DOR, duration of response; IRC, independent review committee; MT, mutant; NE, non-evaluable; POD24, progression of disease within 24 months of prior therapy; WT, wild-type.

\*Data from Morschhauser F, et al. Oral abstract #123. 61st ASH Annual Meeting and Exposition. Dec 7, 2019; Virtual.

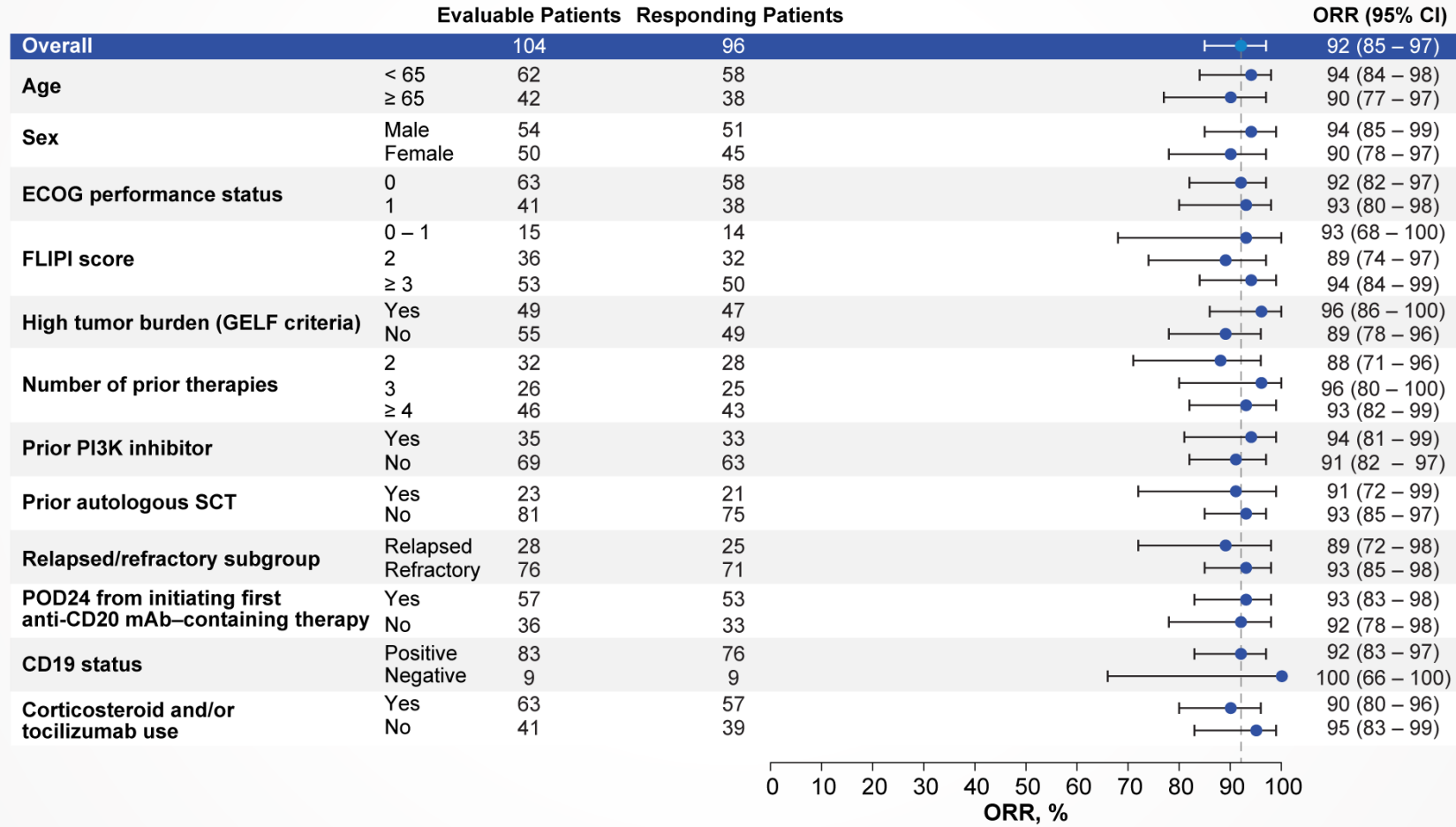
<sup>†</sup>Best overall response based on Cheson (2007) criteria for lymphomas.

<sup>‡</sup>By Brookmeyer and Crowley method.

# Axi-cel (ZUMA-5) in R/R FL



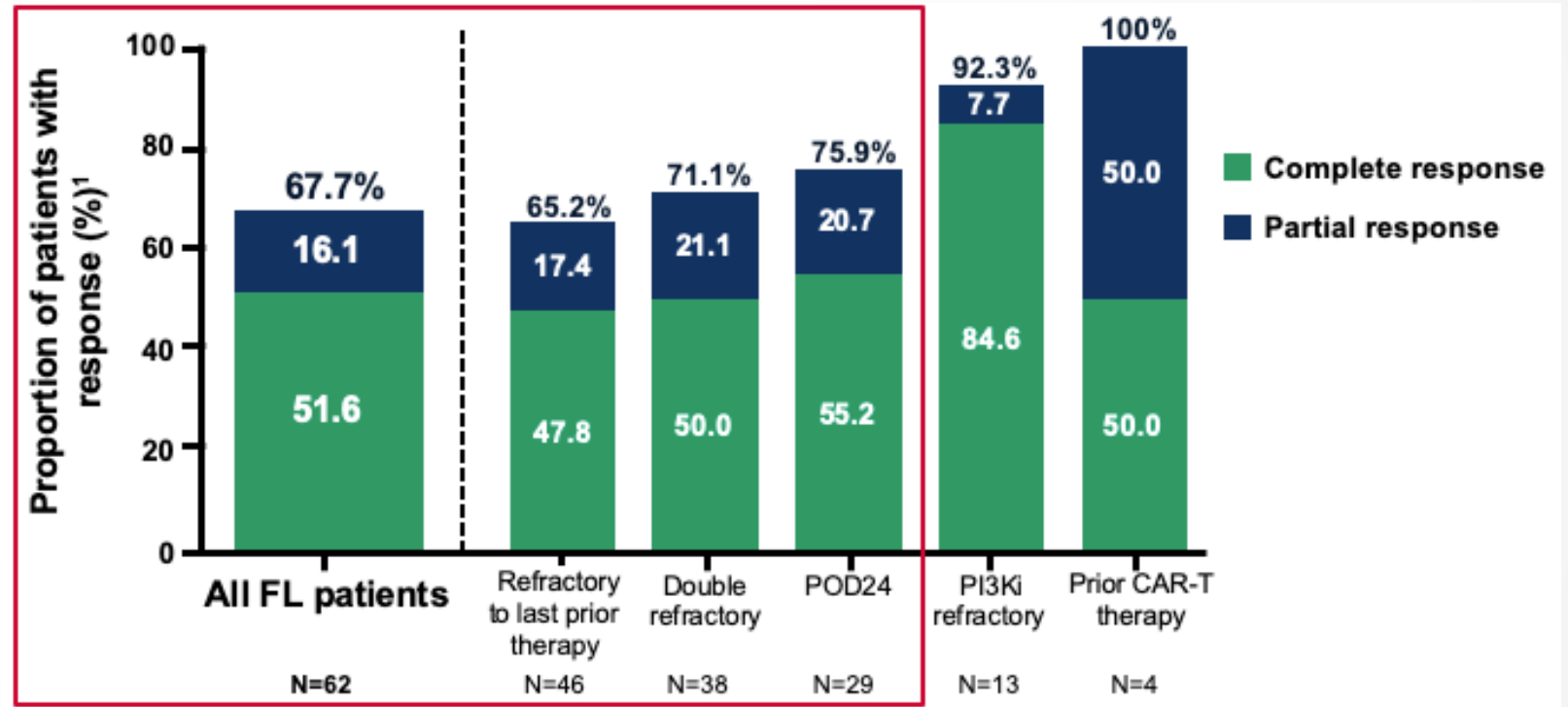
# Axi-cel (ZUMA-5) in R/R FL



CI, confidence interval; ECOG, Eastern Cooperative Oncology Group; FL, follicular lymphoma; FLIPI, Follicular Lymphoma International Prognostic Index; GELF, Groupe d'Etude des Lymphomes Folliculaires; mAb, monoclonal antibody; ORR, overall response rate; PI3K, phosphoinositide 3 kinase; POD24, progression of disease within 24 months; R/R, relapsed/refractory; SCT, stem cell transplant. Jacobson C, et al. Oral abstract #700. 62nd ASH Annual Meeting and Exposition. Dec 7, 2020; Virtual.

# Therapies on the horizon

- Bispecific antibodies
  - Mosunetuzumab
- High and consistent CR rates were observed in high-risk populations, including those with double-refractory disease, POD24, PI3Ki refractory, and those who received prior CAR T-cell therapy.

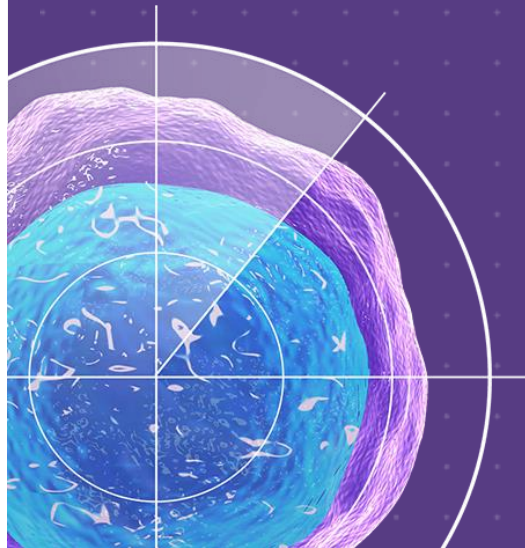


# How I approach early relapse FL

---

- Would pursue a PET/CT and biopsy to eval for transformed lymphoma
- Would consider a clinical trial as the first choice – access to novel therapy
  - CAR T-cell therapy
  - Lenalidomide + bispecific antibody
  - Lenalidomide + rituximab + tazemetostat
  - Lenalidomide + rituximab + tafasitamab
- Standard-of-care options include:
  - Chemoimmunotherapy
  - Lenalidomide + rituximab
  - For elderly, frail patients, can consider tazemetostat

Thank you



Lymphoma Hub is delivered by SES

 **Scientific Education Support**