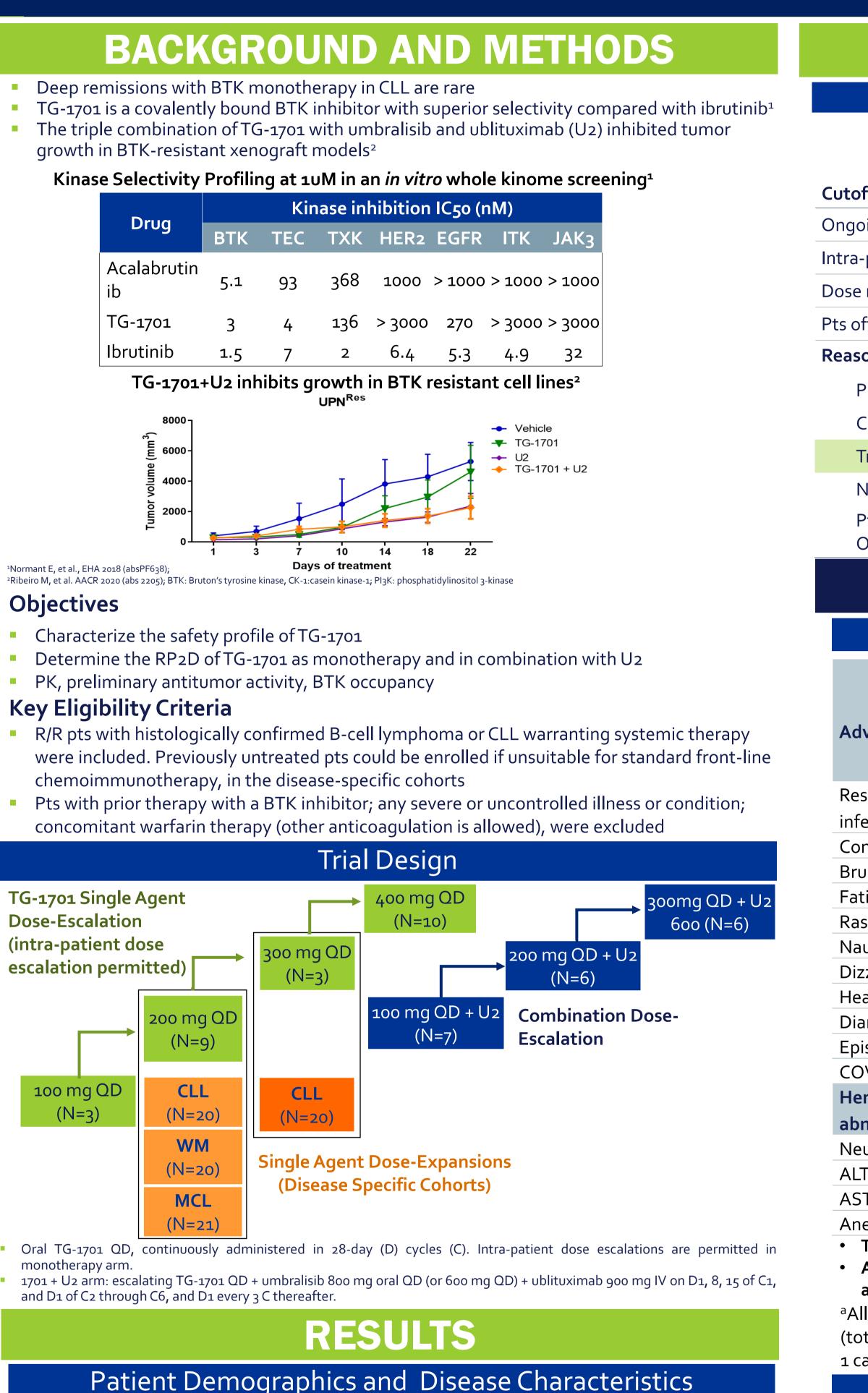
# Updated results of the selective Bruton tyrosine kinase (BTK) inhibitor TG-1701, as monotherapy and in combination with ublituximab and umbralisib (U2) in patients (pts) with B-cell malignancies

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Patient Demographics and Disease Characteristics						
	Dose-escalation Phase		Disease-specific Cohorts			
	<b>TG-1701</b> (N = 25)	<b>TG-1701</b> + <b>U2</b> (N = 19)	200 mg QD			300 mg QD
Characteristic			<b>CLL</b> (N = 20)	<b>WM</b> (N = 20)	<b>MCL</b> (N = 21)	<b>CLL</b> (N = 20)
Male sex N(%)	14 (56)	8 (42)	7 (35)	12 (60)	13 (62)	10 (50)
Age, years, median (min/max) ≥75 years N(%)	68 (49 / 86) <i>7 (28)</i>	69 (47/81) <i>5 (26)</i>	71 (53 /87) <i>4 (20)</i>	73 (57/92) <i>8(40)</i>	70 (57 /85) <i>5(24)</i>	71 (49/ 78) <i>6(30)</i>
ECOG 0 / 1 / 2 (%)	56/44/0	79/21/0	35/65/0	45 / 50 / 5	48 / 48 /4	35 / 65 / 0
Prior therapies, median (range)	1(1-5)	2 (1 - 5)	1(0-5)	1(0-4)	3 (0 – 10)	1(0-5)
Refractory to last prior therapy N(%)	7 (28)	3 (16)	2 (10)	3 (15)	4 (19)	1(5)
Prev. anti-CD20 therapy N(%)	25 (100)	19 (100)	14 (93)*	12 (100)*	18 (100)*	14 (93)*
Treatment-naïve N(%)	-	-	5 (25)	8 (40)	3 (14)	4 (20)

\*Calculation excludes treatment-naïve patients

Patient Disposition						
	Dose-escala	tion Phase	Disease-specific Cohorts			
off: Apr 30, 2021	<b>TG-1701</b> (N=25)	<b>TG-1701 + U2</b> (N=19)	<b>200 mg</b> (N=61)	<b>300 mg</b> (N=20)		
oing treatment N(%)	18 (72)	16 (84)	45 (74)	18 (90)		
a-pt dose escalation N(%)	7 (28)	-	-	-		
e redn. (any agent) N(%)	4 (16)	5 (31)	2 (3)	1(5)		
off study N(%)	7 (28)	3 (16)	16 (26)	2 (10)		
son for tx d/c N(%)						
Progression by criteria	5 (20)	2 (11)	10 (16)	-		
Clinical progression	-	-	1(2)	-		
Treatment-related AE	-	-	1(2)	-		
Non-treatment related AE	-	1(5)	2 (3)	2 (10)		
Pt / physician decision - Other	2 (8)	-	2 (3)	-		

Safety
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All Causality AEs (≥10%) TG-1701 Monotherapy						
dverse event, N (%)	Dose esc (100 to 2 N=	oo mg)	Disease- cohorts ( N=	(200 mg)	CLL cohor N=	
	Any Grade	Grade 3	Any Grade	Grade ≥3	Any Grade	Grade ≥3
espiratory tract fection	9 (36)	2 (8)	6 (10)	-	2 (10)	-
onstipation	8 (32)	-	3 (5)	-	-	-
uising	7 (28)	-	5 (8)	-	-	-
tigue	5 (20)	-	2 (3)	-	1(5)	-
ash	4 (20)	ı(4)	3 (5)	-	1(5)	-
ausea	4 (16)	-	1(2)	-	2 (10)	-
zziness	4 (16)	-	1(2)	-	-	-
eadache	3 (12)	-	6 (10)	-	ı(5)	-
arrhea	3 (12)	-	7 (11)	-	2 (10)	-
oistaxis	3 (12)	-	2 (3)	-	-	-
DVID-19	-	-	4 (7)	1(2)	3 (15)	2 (10)
ematologic and lab onormalities	Any Grade	Grade 3	Any Grade	Grade ≥3	Any Grade	Grade ≥3
eutropenia	6 (24)	2 (8)	8 (13)	5 (8)	2 (10)	2 (10)
T increased	6 (24)	3 (12) <sup>a</sup>	5 (8)	1(2)	3 (15)	1(5)
ST increased	5 (20)	1(4)	3 (5)	-	3 (15)	1(5)
nemia	4 (16)	-	7 (11)	3 (5)	-	-

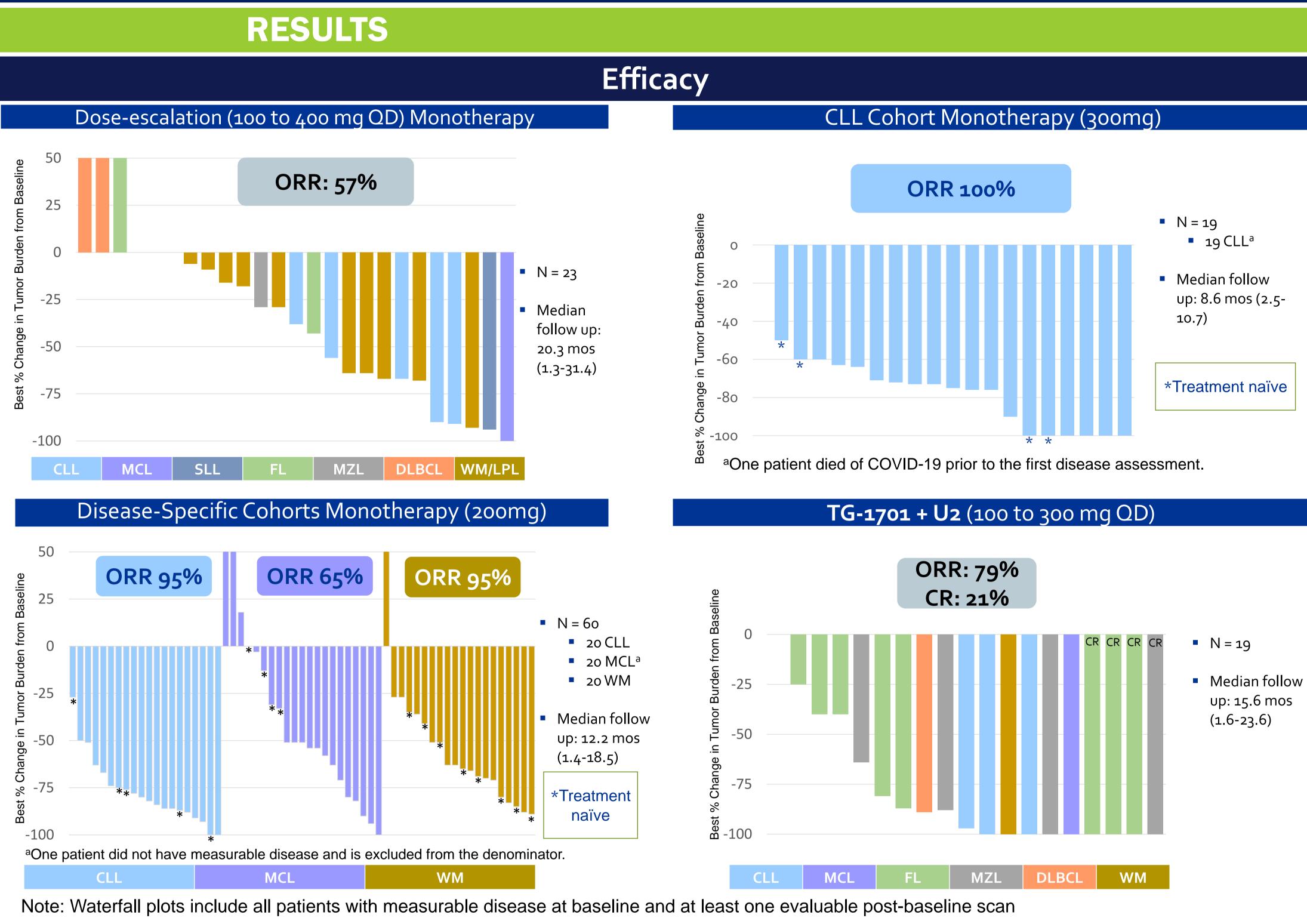
• There have been no G4 AEs in the dose escalation of monotherapy • At 200mg and 300 mg QD (n=81), AE's of special interest were G3 hypertension 4.9% and atrial fibrillation 1.2%. There have been no instances of major bleeding <sup>a</sup>All at 400 mg QD. 2 cases were brief episodes in asymptomatic pts with normal liver function (total bilirubin within normal range).

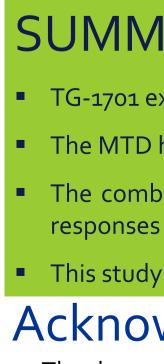
1 case was in the context of significant progression of disease in the liver.

All Causality AEs (≥15%) TG-1701+U2 Combo						
	Patients (N = 19)					
dverse event, N(%)	Any Grade	Grade 3	Grade 4			
iarrhea	9 (47)	2 (11)	-			
R <sup>a</sup>	9 (47)	1(5)	-			
ruising	9 (47)	-	-			
ausea	6 (32)	1(5)	-			
ypertension	6 (32)	1(5)	-			
atigue	4 (21)	-	-			
ash	3 (16)	-	-			
omiting	3 (16)	-	-			
ematologic and laboratory onormalities	Any Grade	Grade 3	Grade 4			
eutropenia	7 (37)	2 (11)	2 (11)			
_T increased	6 (32)	3 (16) <sup>b</sup>	1 (5) <sup>c</sup>			
ST increased	6 (32)	3 (16)	-			
R: includes the terms "chest tightness", and "f	facial flushing".					

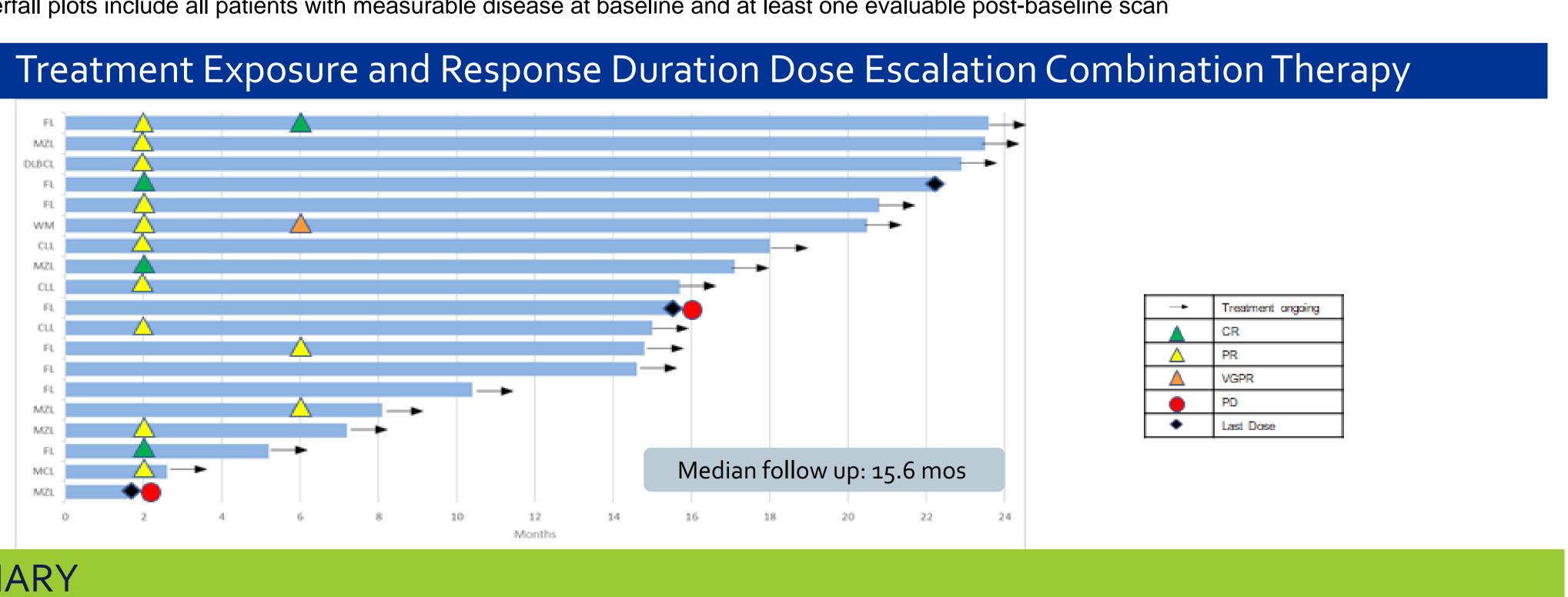
<sup>b</sup>All cases of G<sub>3</sub> ALT increased were in patients with normal liver function (total bilirubin within normal range). Two patients continue therapy at a reduced dose of umbralisib (600 mg and 400 mg). The third patient discontinued ublituximab due to

serum sickness. <sup>c</sup>The G4 ALT increased was symptomatic (vomiting) and with abnormal liver function, the patient has recovered with complete response and remains on study therapy.





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## SUMMARY

• TG-1701 exhibits an encouraging safety profile, with clinical and pharmacodynamic activity at all dose levels evaluated that support QD dosing The MTD has not been achieved in the monotherapy arm (up to 400mg QD)

The combination of TG-1701 with U2 has been well tolerated and dose escalation continues. Combination treatment is associated with encouraging clinical activity, including early complete

## This study (NCT03671590) continues enrollment and future registration trials are being planned

## Acknowledgements

Thank you to the patients and their families for their participation.