



**HOT  
NEWS**

**IN HEMATOLOGY**

Sindromi  
linfoproliferative  
ed oltre...

## **Impatto clinico terapeutico: LLC**

Paolo Ghia - Milano

**TORINO**

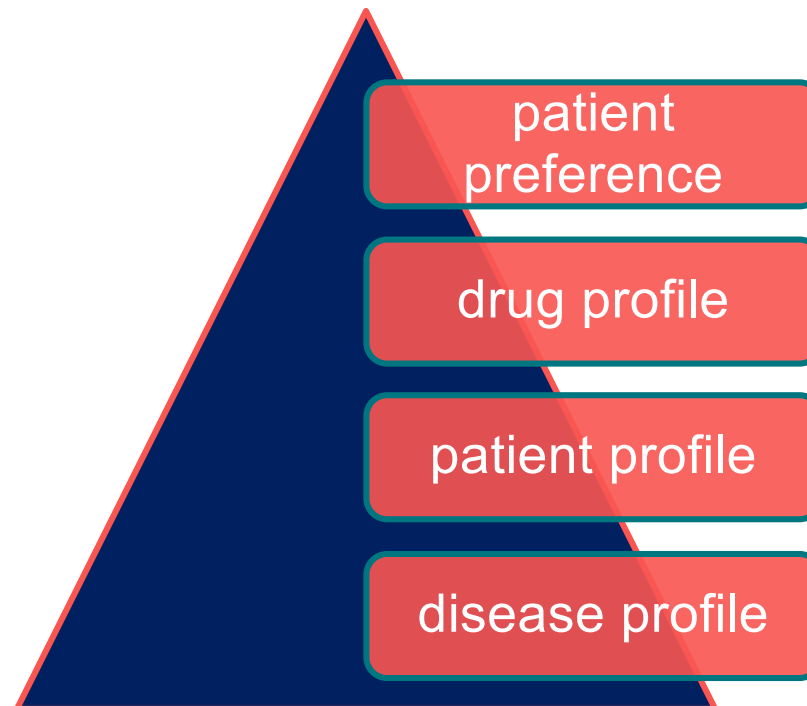
**5 Aprile 2022**

Starhotels Majestic

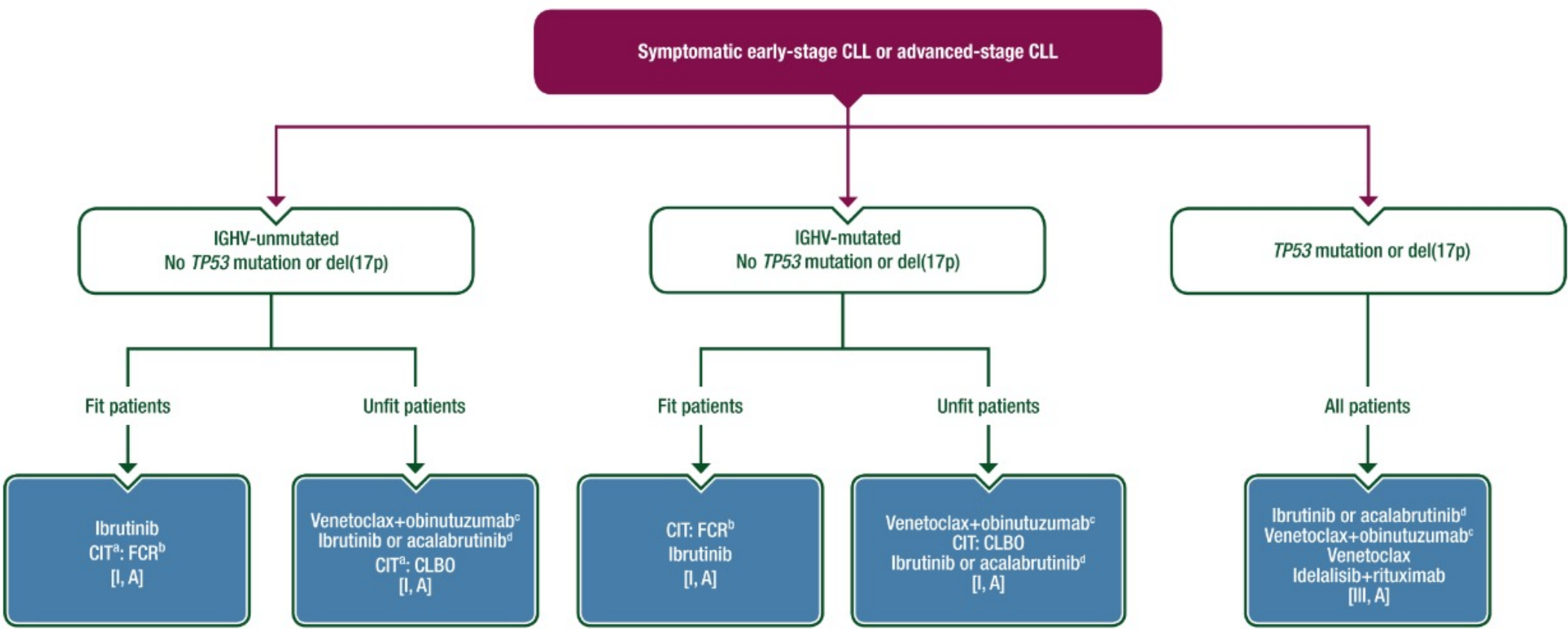
## Disclosures of PAOLO GHIA

Company name	Research support	Employee	Consultant	Stockholder	Speakers fees	Advisory board	Other
AstraZeneca	x		x		x	x	
AbbVie	x		x		x	x	
ArQule/MSD			x			x	
BeiGene			x		x	x	
CelGene/Juno/BMS			x			x	
Janssen	x		x		x	x	
Lilly/Loxo			x		x	x	
Sanofi			x			x	
Roche			x			x	

## Personalized management in CLL



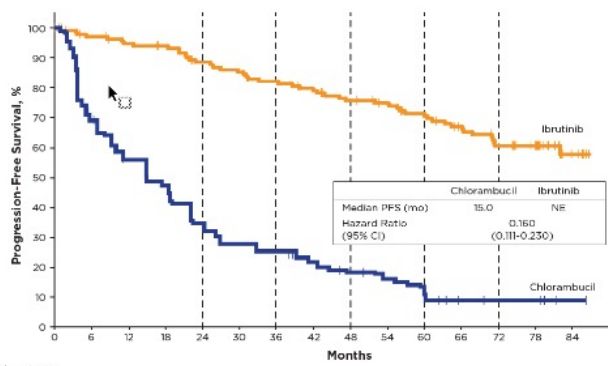
# ESMO Clinical Practice: frontline therapy





# Ph3 RESONATE-2 with up to 7 years of follow-up: 1L ibrutinib

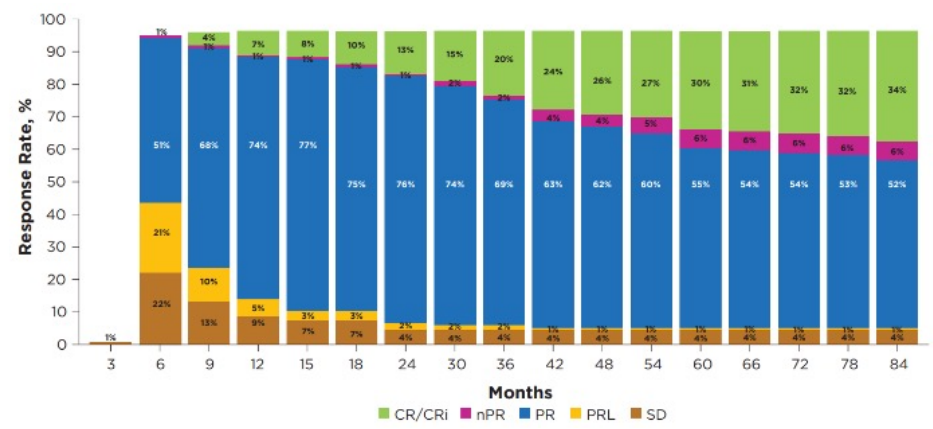
**PFS: Ibrutinib vs chlorambucil**



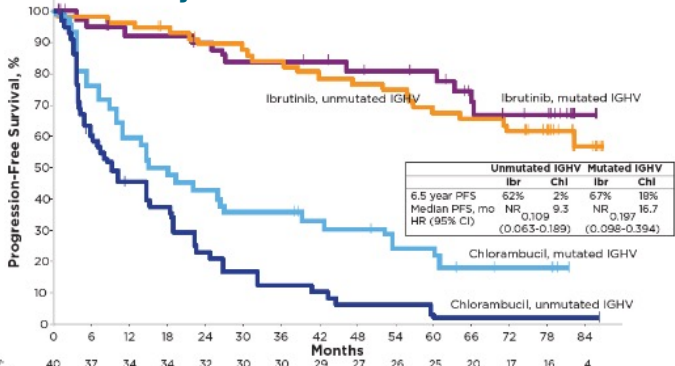
Patients at Risk and PFS

Months	0	6	12	18	24	30	36	42	48	54	60	66	72	78	84
Ibrutinib: PFS, %:	136	129	124	121	112	108	104	99	92	88	81	74	64	56	12
Chlorambucil: PFS, %:	133	68	69	57	41	33	30	25	19	16	12	6	5	5	1

**Response increase over time: CR/Cri 34%**



**PFS by IGHV Status**



Patients at Risk

Months	0	6	12	18	24	30	36	42	48	54	60	66	72	78	84
Ibrutinib, mutated IGHV:	40	37	34	34	32	30	30	29	27	26	25	20	17	16	4
Ibrutinib, unmutated IGHV:	58	57	56	53	49	48	46	43	42	41	36	35	32	26	8
Chlorambucil, mutated IGHV:	42	32	25	21	18	15	15	12	11	8	8	5	4	4	
Chlorambucil, unmutated IGHV:	60	33	23	19	11	8	6	5	3	3	2	1	1	1	1

- Longest follow-up of any Ph3 1L studies of targeted agents
- 61% of patients are alive and progression-free at 6.5 years. 6.5-year OS: 78%.
- Ibr benefit similar in pts with mIGHV and uIGHV, and response including CR/Cri continued to deepen over time.
- Only 16 (12%) pts progressed while receiving ibr.
- Close to 50% of pts remain on therapy; dose adjustments effectively managed most AEs

Median Follow-up: 74.9 months

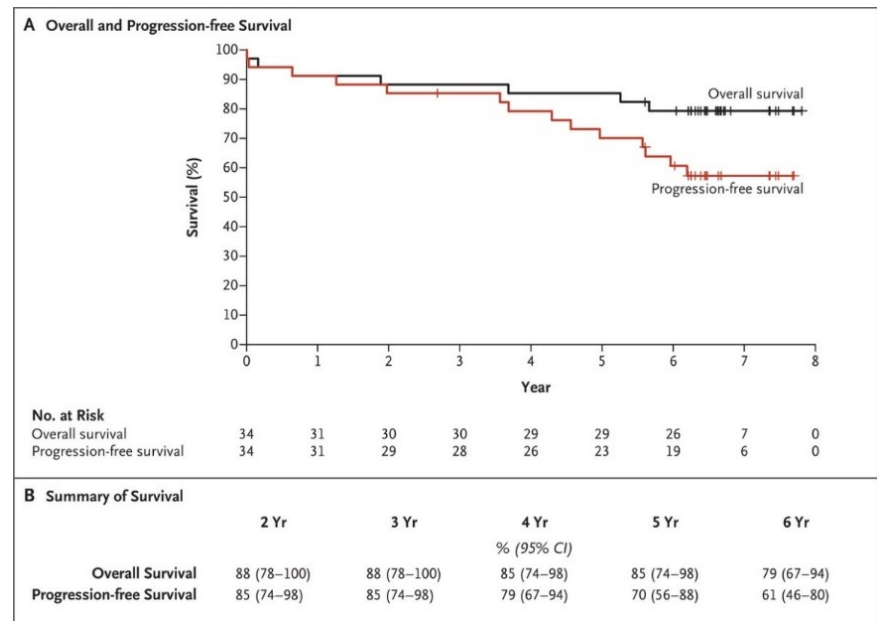
Ghia et al., EHA 2021; EP636 (poster presentation)

# Efficacy of First-Line Ibrutinib for CLL With *TP53* Aberrations

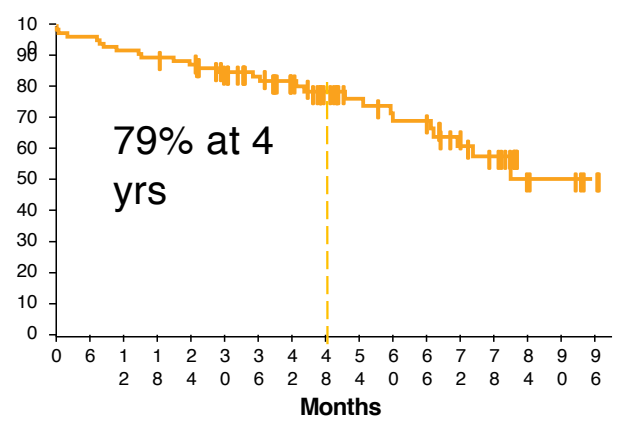
**Pooled analysis: 4-year follow-up**

	PCYC-1122e (NIH study)	RESONATE-2	iLLUMINATE	ECOG1912
<b>N</b>	34	11	18	26
<b>Regimen</b>	Ibr	Ibr	Ibr + Obinu	Ibr + Ritux
<b>Patients</b>	del(17p)/ <i>TP53</i> mut	<i>TP53</i> mut	del(17p)/ <i>TP53</i> mut	<i>TP53</i> mut

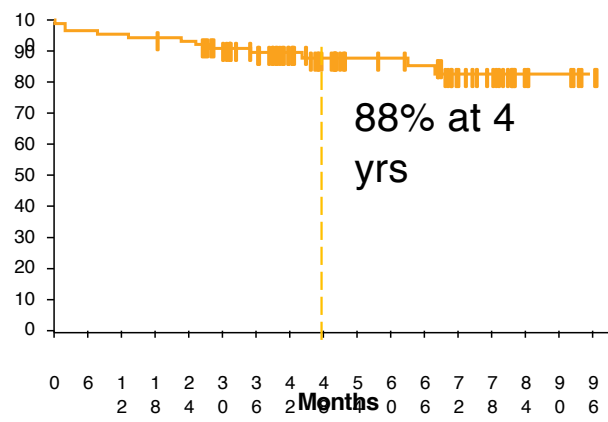
**Phase 2 NIH study**



**Progression-free Survival**



**Overall Survival**

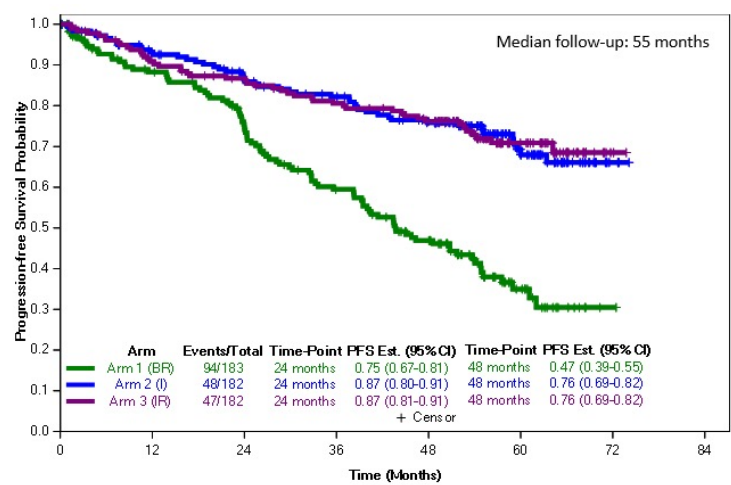


Allan J, et al., Presented at ASH 2020. #2219

IE Ahn et al. N Engl J Med 2020;383:498-500

# Alliance A041202 : ibrutinib-based regimens vs bendamustine+R

## PFS



Arm	Time (Months)							
	0	12	24	36	48	60	72	84
Arm 1 (BF)	183	139	114	87	63	20	1	0
Arm 2 (I)	182	158	142	131	114	52	4	0
Arm 3 (IR)	182	156	142	130	117	44	2	0

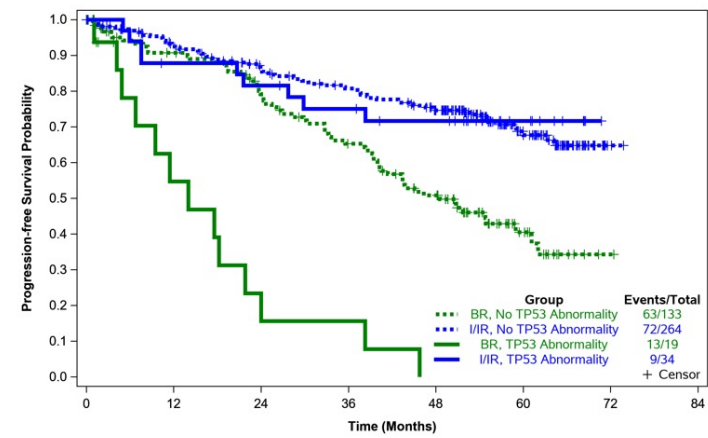
## Pairwise Comparisons

**I vs BR:**  
Hazard Ratio 0.36  
95% CI: 0.26-0.52  
P <0.0001

**IR vs BR:**  
Hazard Ratio 0.36  
95% CI: 0.25-0.51  
P <0.0001

**IR vs I:**  
Hazard Ratio 0.99  
95% CI: 0.66-1.48  
P = 0.96

## PFS: TP53 abnormalities



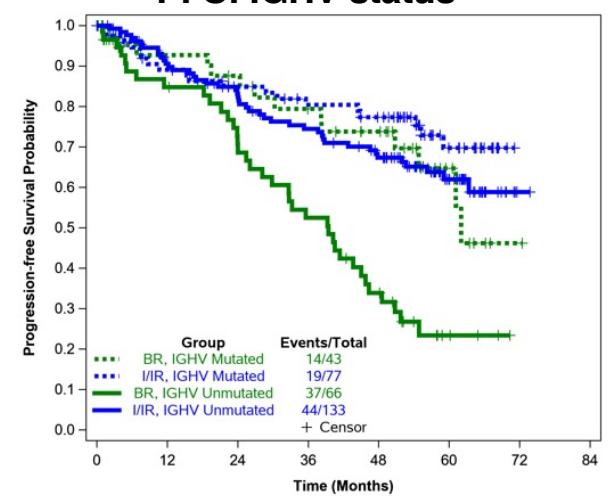
**Treatment Effect**  
**I/IR vs BR**

**No TP53 Abn**  
Hazard Ratio 0.39  
95% CI: 0.27-0.55

**TP53 Abn**  
Hazard Ratio 0.07  
95% CI: 0.03-0.18

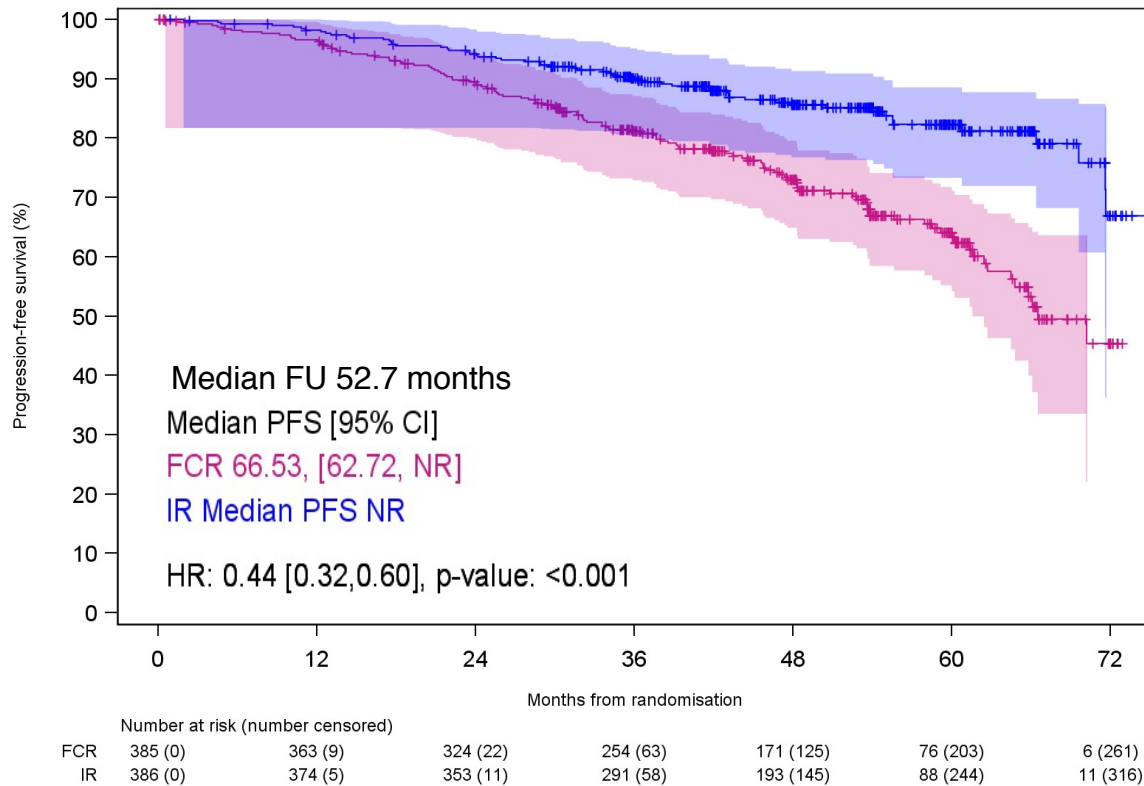
Interaction P = 0.0006

## PFS: IGHV status



Third planned interim analysis of Arms 2 and 3 vs Arm 1; second planned interim analysis of Arm 3 vs Arm 2  
Median follow-up = 55 months

**Primary endpoint: PFS**



**IWCLL Response 3-months post-treatment with FCR/R**

	FCR (n=385)	IR (n=386)
<b>CR</b>	233 (60.5%)	81 (21.0%)
<b>PR</b>	106 (27.6%)	271 (70.2%)
<b>SD/PD/NR</b>	46 (11.9%)	34 (8.8%)

**Proportion of participants with MRD negativity\* in the bone marrow at 3-months post-treatment with FCR/R**

	FCR (n=385)	IR (n=386)
<b>MRD Negative</b>	213 (55.3%)	15 (3.9%)
<b>MRD Positive</b>	140 (36.4%)	357 (92.5%)
<b>N/A</b>	32 (8.3%)	14 (3.6%)

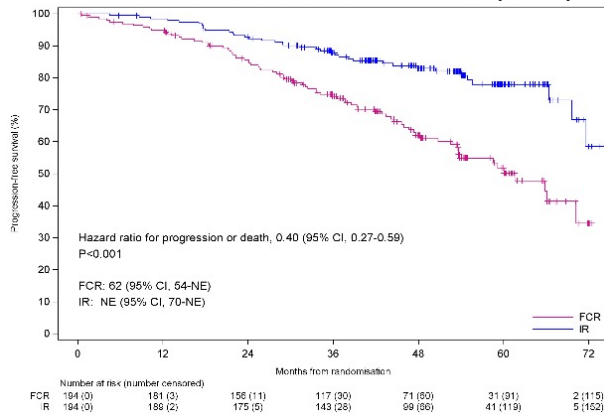
\*; MRD flow cytometry <1 CLL cell/10,000 (IWCLL criteria)

**A greater percentage of participants in the FCR arm became MRD negative in the bone marrow 3-months post-treatment compared to the IR arm (55.3% vs 3.9%)**





**IGHV unmutated excl. Subset 2 CLL (n=388)**



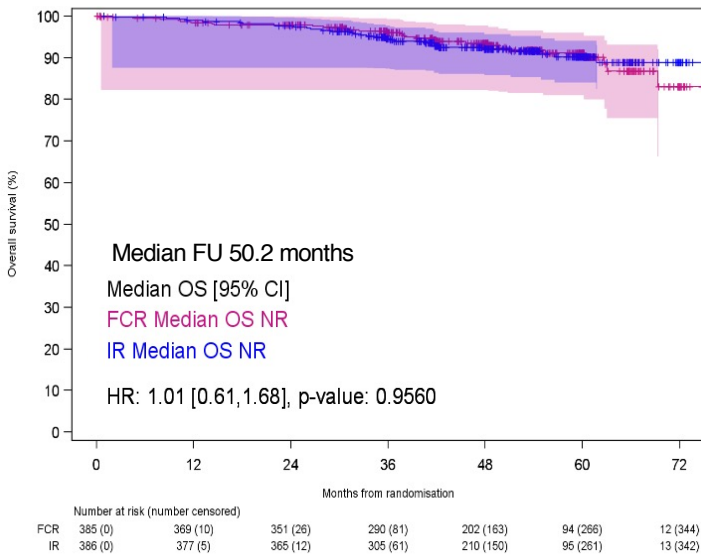
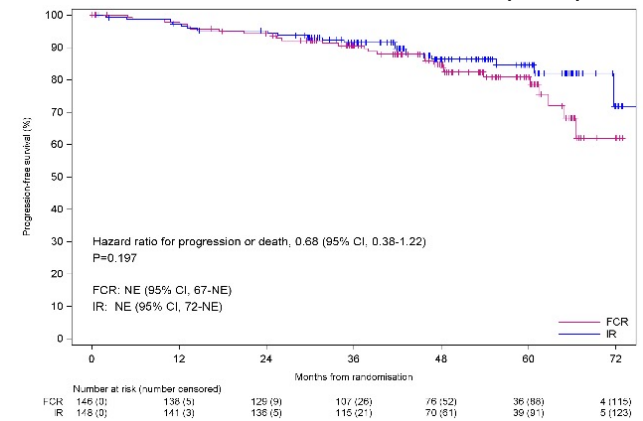
## PFS by IGHV mutation status

Stereotype Subset 2: n=46 (FCR 20; IR 26) →  
HR for PD or death 0.32 (95% CI, 0.06-1.76), p=0.191

Deaths in FCR arm were predominantly secondary haematological malignancies, Richter's transformation and infections.

Deaths in IR arm were predominantly CV-related and non-haematological malignancies.

**IGHV mutated CLL excl. Subset 2 (n=294)**



Cause of death *	FCR (n=29)	IR (n=30)
*, Deaths at any time in FU		
CLL	4	3
Non-haematological malignancy	4	7
AML/MDS	3	0
ALL	1	0
Richters transformation	3	1
Infections (non-COVID)	6	4
COVID-19	3	3
Haemorrhage	1	2
Cardiac	2	9
Other	2	1

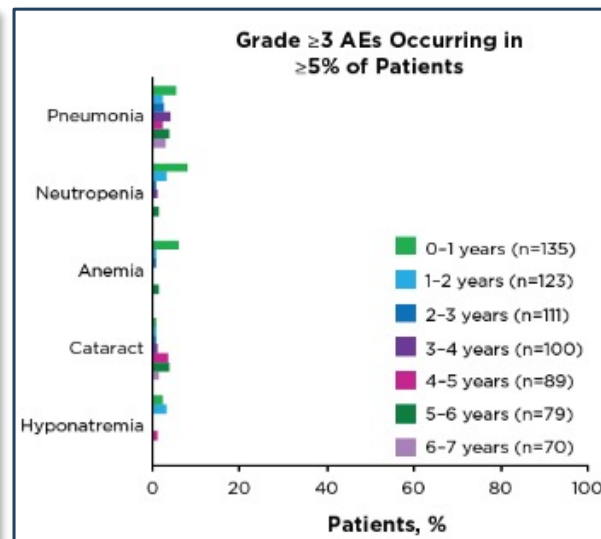
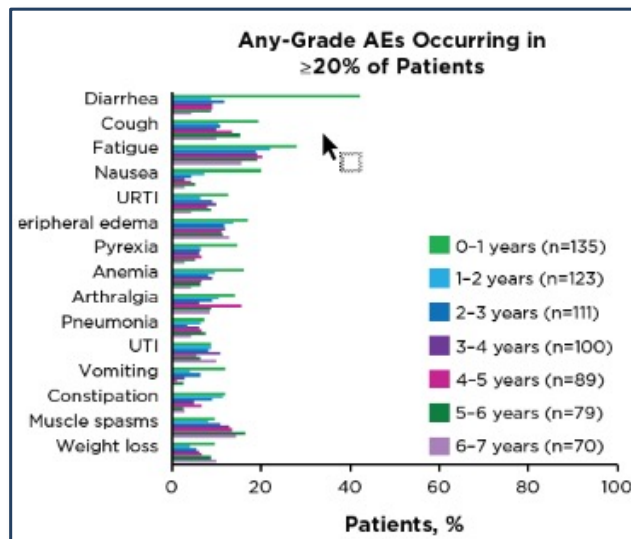
## Treatment after progression

	FCR (n=56)	IR (n=19)
<b>Therapy for Richter's transformation or Hodgkin's</b>		
CHOP-R (5) or ABVD (1)	4	2
<b>Therapy for relapsed CLL</b>		
BTKi	38	0
Idelalisib + R	1	1
Venetoclax + R	8	5
CIT (FCR/BR/ChIR)	4	10
Rituximab	1	1
<b>Targeted therapy for CLL</b>	47/52 (90%)	6/17 (35%)

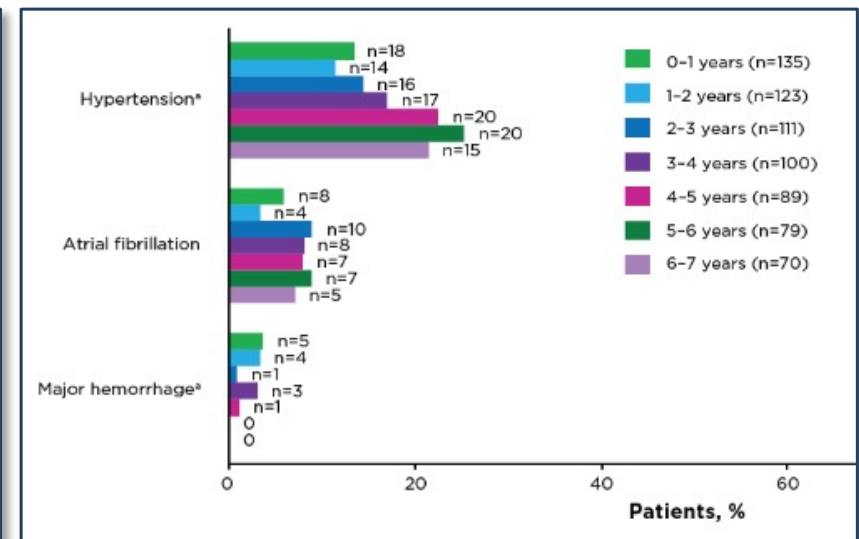


## RESONATE-2: AEs with Up to 7 Years of Follow-up

Prevalence of most frequent AEs over time  
in ibrutinib-treated patients



AEs of clinical interest over time  
in patients treated with ibrutinib



- 66/79 patients (84%) had an AE that had a complete resolution following a dose hold of at least 7 days
- 31 patients (23%) experienced AEs leading to dose reductions.
  - AEs occurring in >1 patient were thrombocytopenia (n=3), and anemia, arthralgia, diarrhea, fatigue, and palpitations (n=2, each).
- At current follow-up (up to 7 years), 31 patients (23%) experienced AEs as the primary cause of ibrutinib discontinuation.
  - AEs occurring in >1 patient were atrial fibrillation (n=5), pneumonia (n=3), and palpitations (n=2).

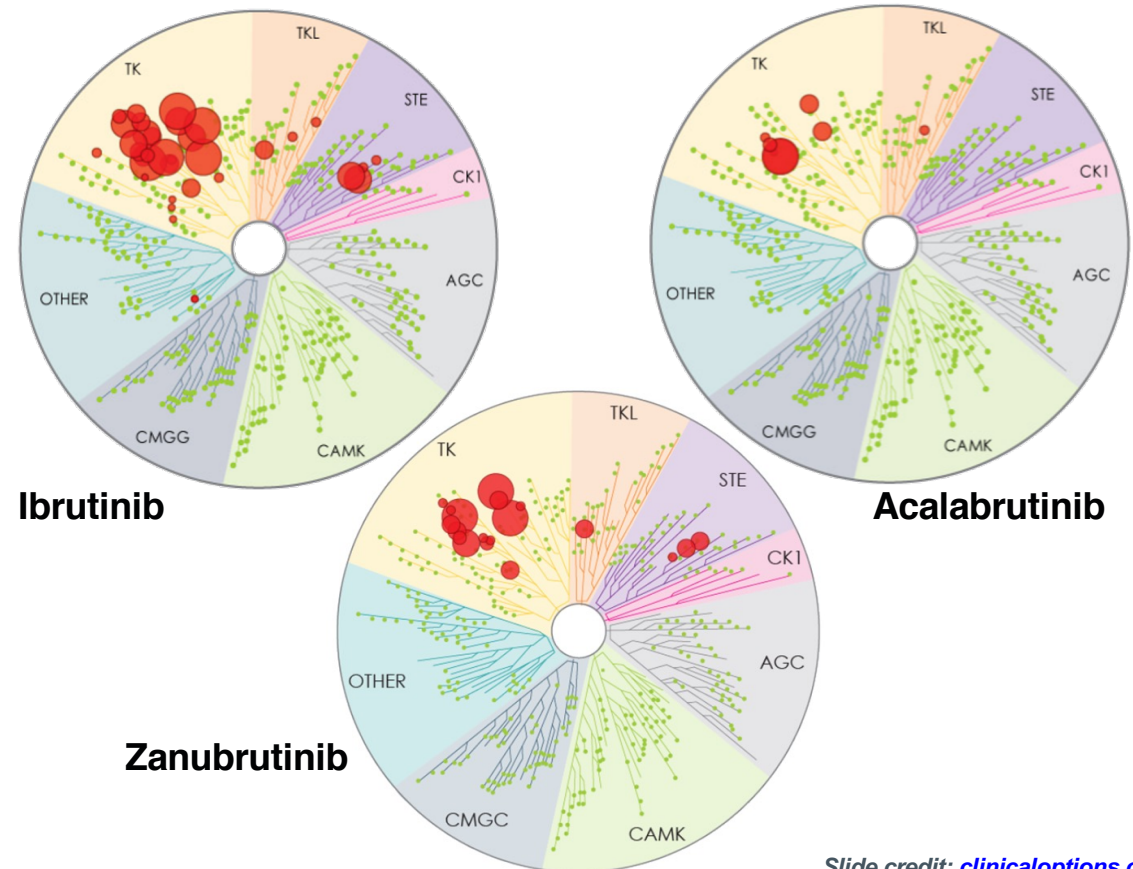
# Kinase Selectivity of BTK Inhibitors

## Kinase Selectivity Profiling at 1 $\mu\text{mol/L}$ (in vitro)

Larger red circles represent stronger inhibition

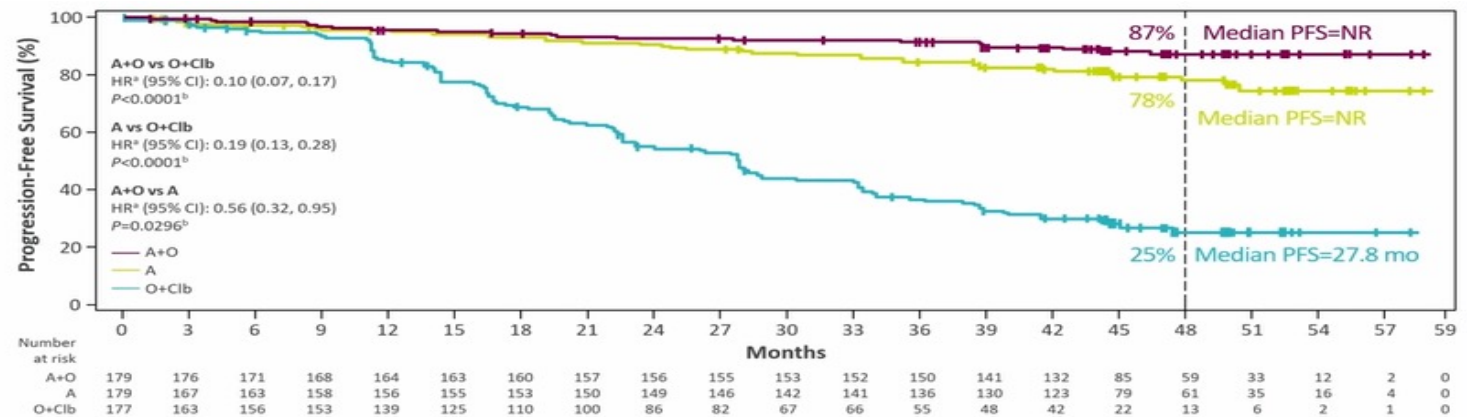
$\text{IC}_{50}/\text{EC}_{50}$  (nM)

Kinase	$\text{IC}_{50}/\text{EC}_{50}$ (nM)		
	Ibrutinib	Acalabrutinib	Zanubrutinib
BTK	1.5	5.1	0.5
TEC	10	126	44
ITK	4.9	>1000	50
BMX	0.8	46	1.4
EGFR	5.3	>1000	21
ERBB4	3.4	16	6.9
JAK3	32	>1000	1377
BLK	0.1	>1000	2.5

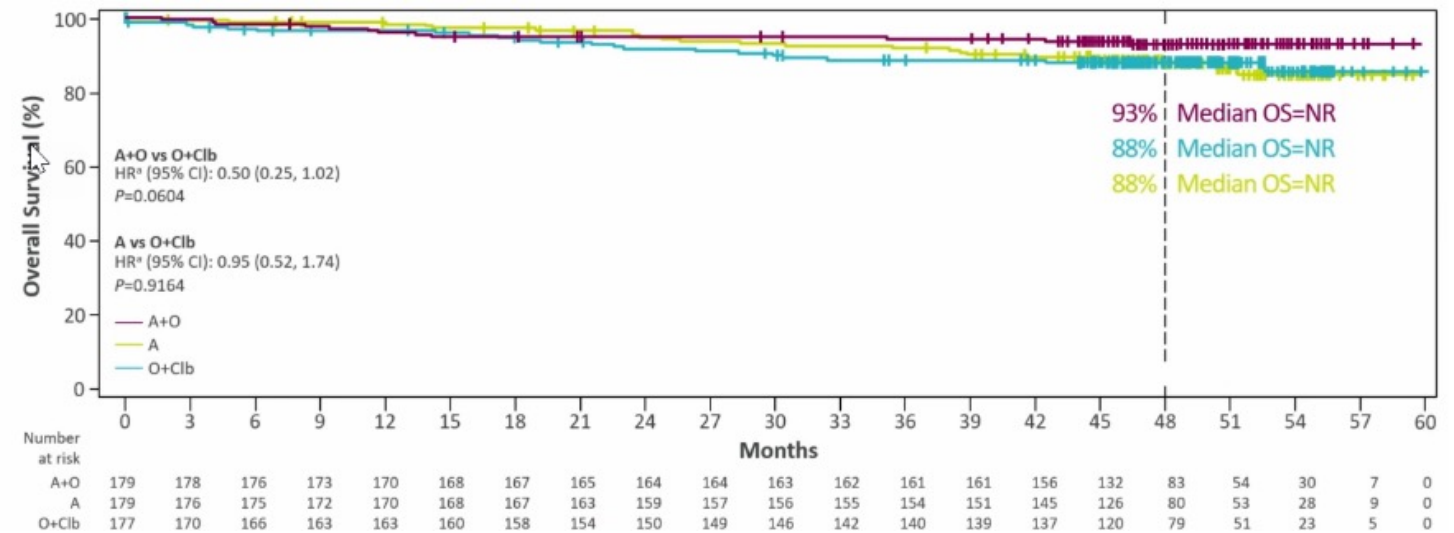


# Phase 3 ELEVATE TN Study: acalabrutinib ± obinutuzumab

Investigator assessed PFS



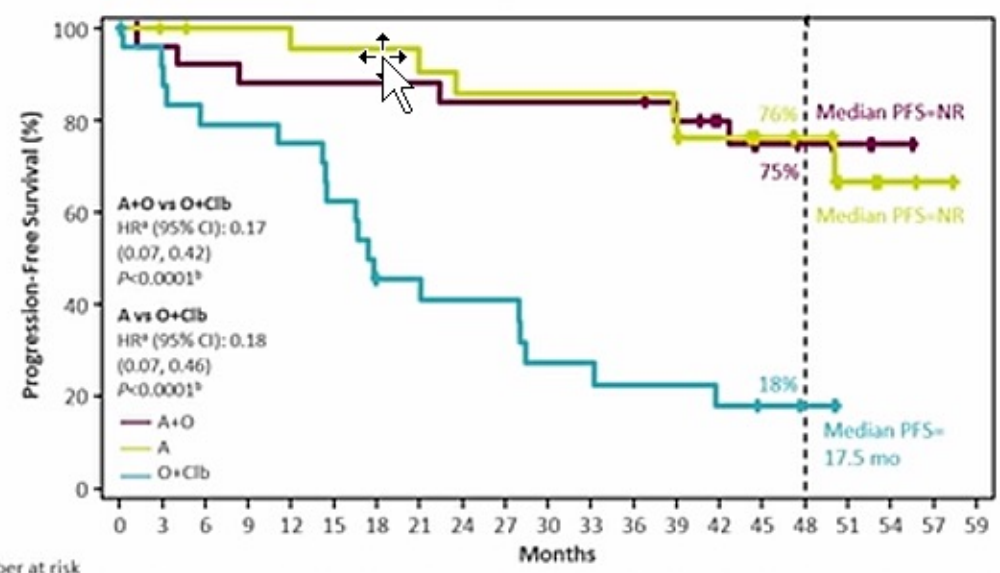
Overall Survival





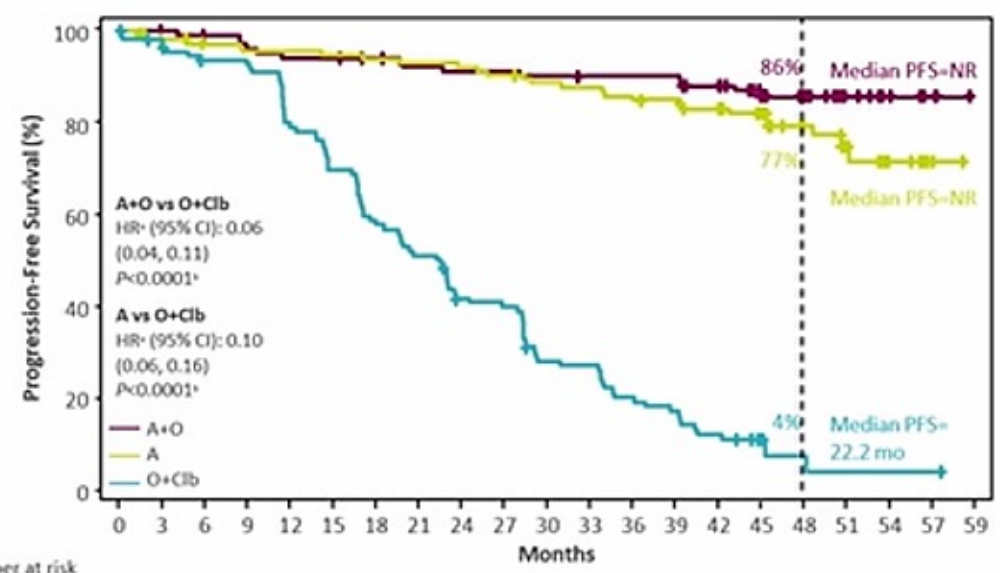
# ELEVATE TN: PFS according to *TP53* and *IGHV* status

**Del(17p) and/or Mutated *TP53***



Number at risk	0	3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	51	54	57	59
A+O	25	24	23	22	22	22	22	22	21	21	21	21	21	19	16	9	8	3	1	0	0
A	23	22	21	21	20	20	20	19	18	18	18	18	18	15	15	11	9	5	2	1	0
O+Clb	25	21	19	19	18	15	10	9	9	9	6	6	5	5	4	3	2	0	0	0	0

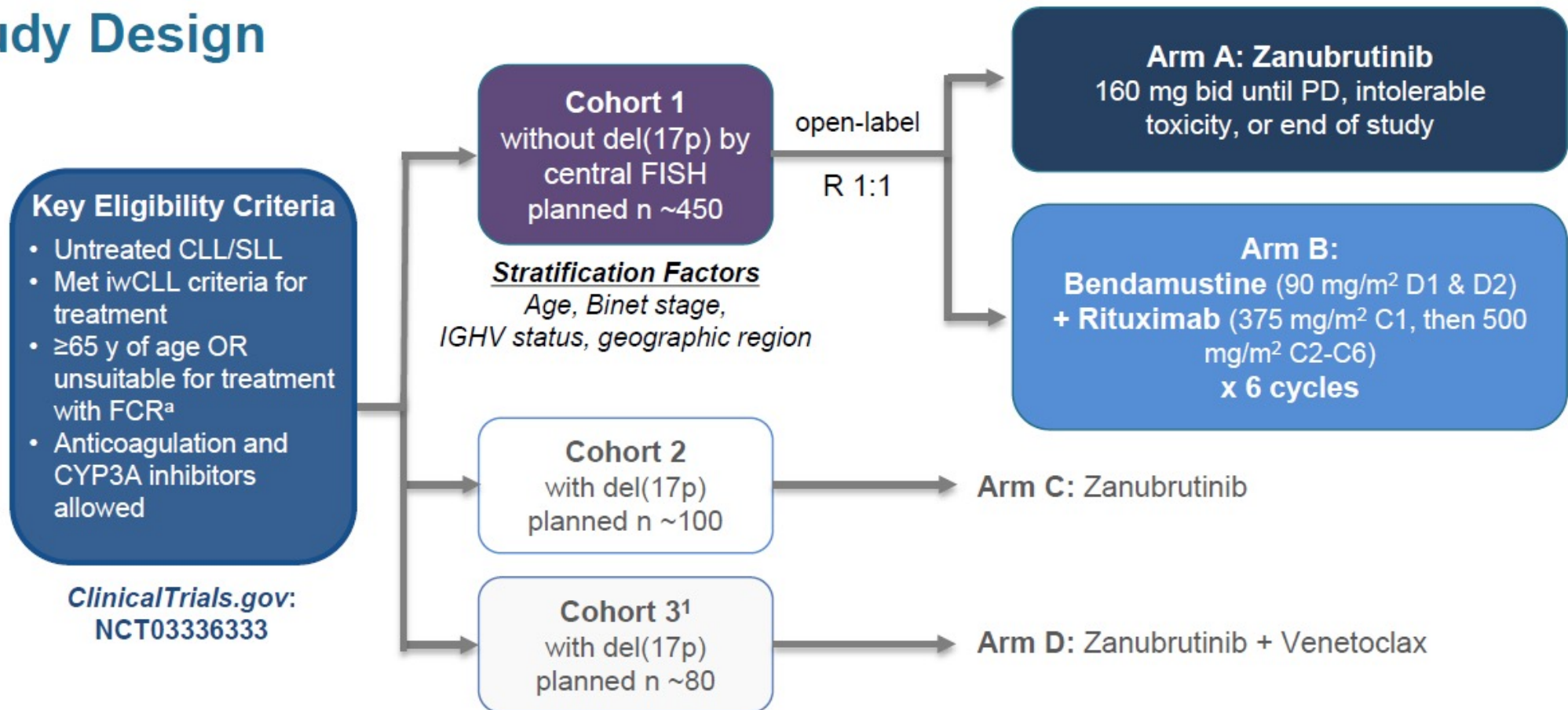
**Unmutated *IGHV***



Number at risk	0	3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	51	54	57	59
A+O	103	102	100	97	95	95	94	92	91	91	90	89	89	84	78	47	35	17	7	1	0
A	119	112	109	107	107	106	105	104	103	101	98	97	93	89	84	52	38	22	11	1	0
O+Clb	116	105	101	99	85	75	62	55	43	41	28	27	19	14	11	2	1	1	1	1	0

# SEQUOIA (BGB-3111-304): Zanubrutinib vs BR in TN CLL

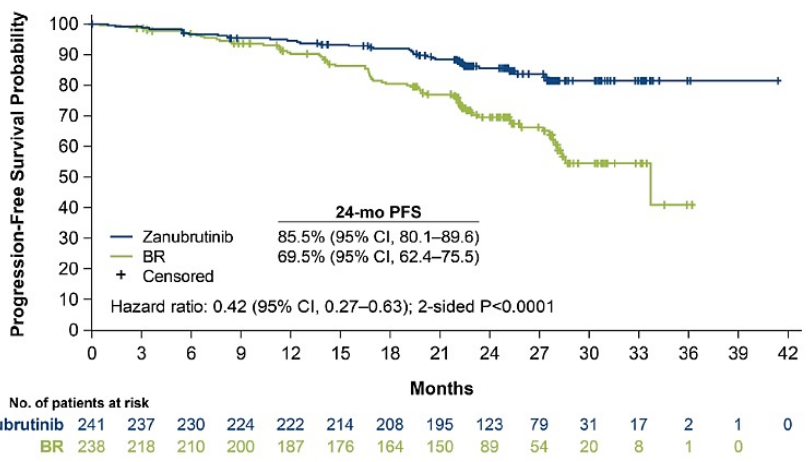
## Study Design



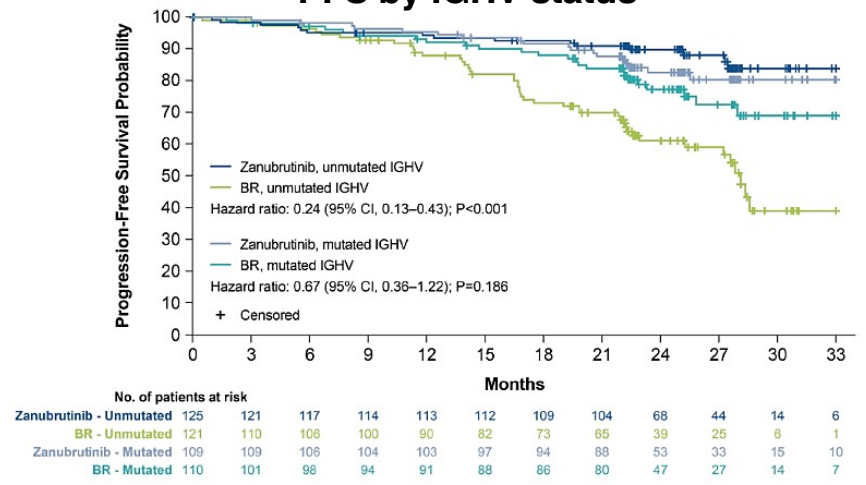


# SEQUOIA (BGB-3111-304)

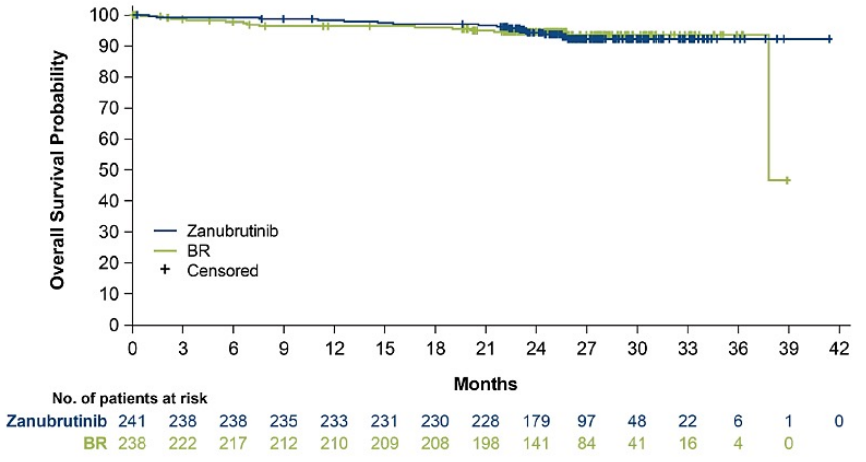
## PFS



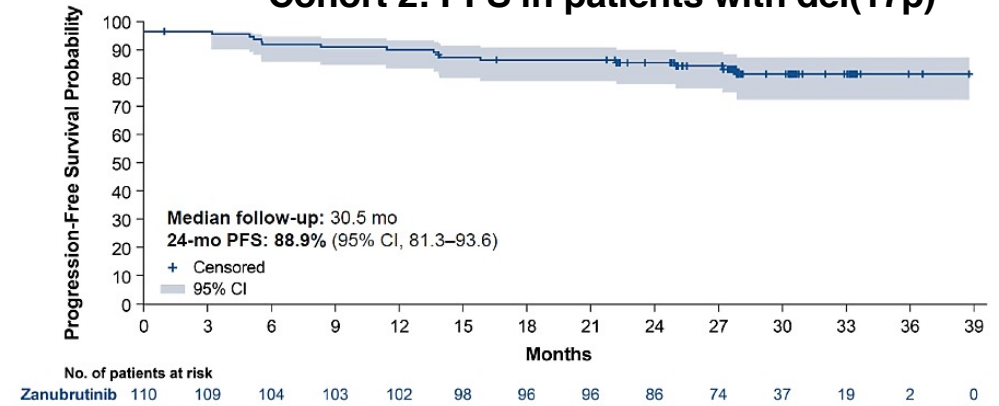
## PFS by IGHV status



## OS



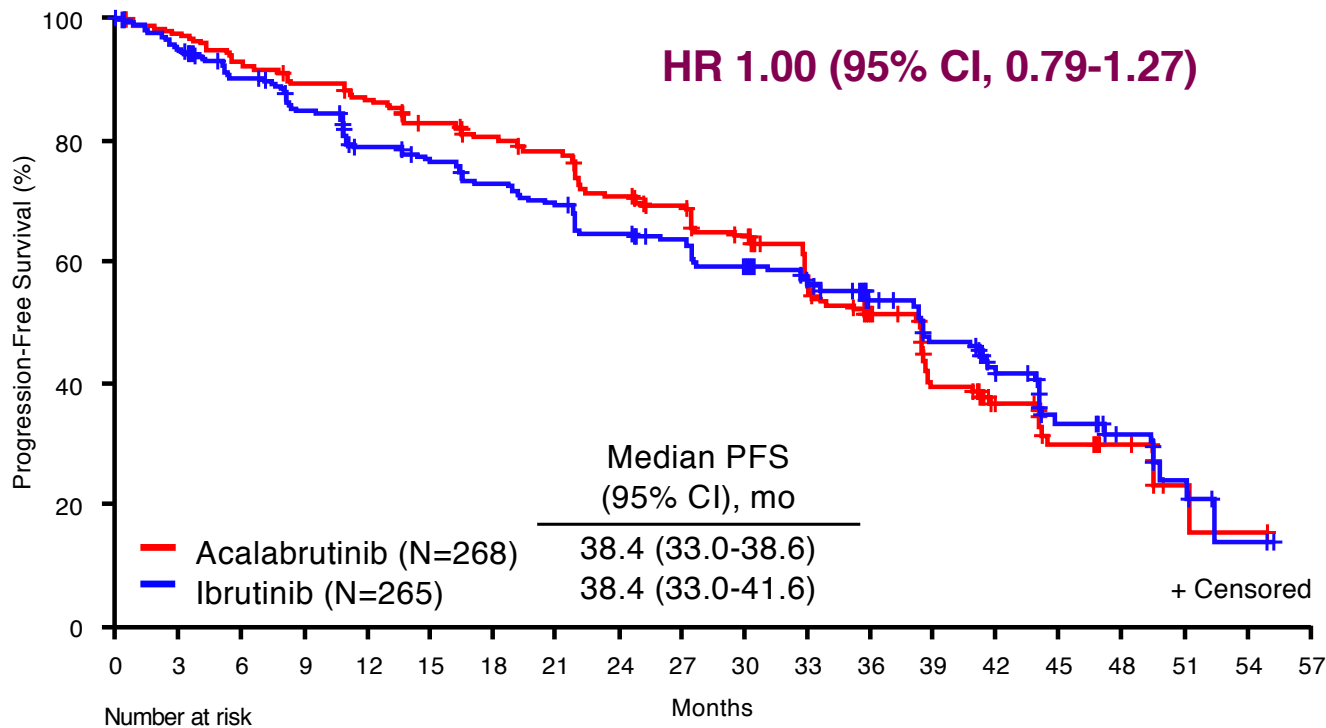
## Cohort 2: PFS in patients with del(17p)



# Phase 3 ELEVATE RR study: Ibrutinib vs acalabrutinib

## IRC-Assessed PFS

**HR 1.00 (95% CI, 0.79-1.27)**



## Median follow-up 41 months

	Acalabrutinib (N=268)	Ibrutinib (N=265)
<b>Events, n (%)</b>		
Death	22 (8.2)	28 (10.6)
PD	121 (45.1)	108 (40.8)
<b>Censored, n (%)</b>	125 (46.6)	129 (48.7)
<b>PFS (95% CI), %</b>		
12 months	86.7 (81.8-90.3)	78.8 (73.1-83.4)
24 months	70.9 (64.8-76.1)	64.5 (58.1-70.2)
36 months	51.4 (44.7-57.8)	53.8 (47.0-60.1)

**Noninferiority achieved if the upper bound of the 95% CI of HR is less than the prespecified NI margin of 1.429**

HR, hazard ratio; IRC, independent review committee; PFS, progression-free survival.

## Phase 3 ELEVATE RR study: Ibrutinib vs acalabrutinib

Events, n (%)	Any grade		Grade $\geq 3$	
	Acalabrutinib (n=266)	Ibrutinib (n=263)	Acalabrutinib (n=266)	Ibrutinib (n=263)
Diarrhea <sup>a,b</sup>	92 (34.6)	<b>121 (46.0)</b>	3 (1.1)	<b>13 (4.9)</b>
Headache <sup>a,b</sup>	<b>92 (34.6)</b>	53 (20.2)	<b>4 (1.5)</b>	0
Cough <sup>a</sup>	<b>77 (28.9)</b>	56 (21.3)	2 (0.8)	1 (0.4)
URTI	71 (26.7)	65 (24.7)	5 (1.9)	1 (0.4)
Neutropenia	56 (21.1)	65 (24.7)	52 (19.5)	60 (22.8)
Pyrexia	62 (23.3)	50 (19.0)	8 (3.0)	2 (0.8)
Arthralgia <sup>a</sup>	42 (15.8)	<b>60 (22.8)</b>	0	2 (0.8)
Hypertension <sup>a,b</sup>	23 (8.6)	<b>60 (22.8)</b>	11 (4.1)	<b>23 (8.7)</b>
Anemia	58 (21.8)	49 (18.6)	31 (11.7)	34 (12.9)
Fatigue <sup>b</sup>	54 (20.3)	44 (16.7)	<b>9 (3.4)</b>	0
Nausea	47 (17.7)	49 (18.6)	0	1 (0.4)
Contusion <sup>a</sup>	31 (11.7)	<b>48 (18.3)</b>	0	1 (0.4)
Pneumonia	47 (17.7)	43 (16.3)	28 (10.5)	23 (8.7)
Atrial fibrillation <sup>a</sup>	24 (9.0)	<b>41 (15.6)</b>	12 (4.5)	9 (3.4)
Thrombocytopenia	40 (15.0)	35 (13.3)	26 (9.8)	18 (6.8)

Secondary  
endpoint



Higher incidence in **bold red** for terms with statistical differences.

Among most common AEs above, grade 5 were reported in 5 (1.9%) acalabrutinib patients (pyrexia, n=1; pneumonia, n=4) and 4 (1.5%) ibrutinib patients (URTI, n=1; pneumonia, n=3).

<sup>a</sup>Based on Barnard's exact test, two-sided P-value <0.05 without multiplicity adjustment for any grade events.

<sup>b</sup>Based on Barnard's exact test, two-sided P-value <0.05 without multiplicity adjustment for grade  $\geq 3$  events.

Includes AEs reported at  $\geq 15\%$  incidence (any grade) in either arm.

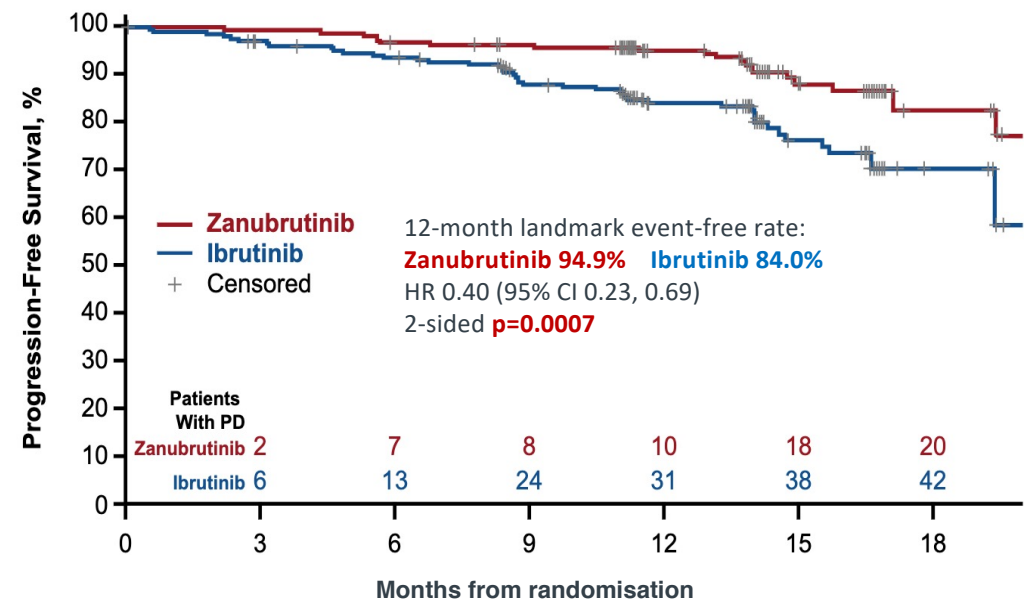
AE, adverse event; URTI, upper respiratory tract infection.

# Phase 3 ALPINE study: Ibrutinib vs zanubrutinib in RR CLL

## ORR by investigator assessment

	Zanubrutinib (n=207), n (%)	Ibrutinib (n=208), n (%)
<b>Primary endpoint: ORR (PR+CR)</b>	162 (78.3) 95% CI: 72.0, 83.7	130 (62.5) 95% CI: 55.5, 69.1
<b>Superiority 2-sided <math>P=0.0006</math> compared with pre-specified alpha of 0.0099</b>		
CR/CRi	4 (1.9)	3 (1.4)
nPR	1 (0.5)	0
ORR (PR-L+PR+CR)	183 (88.4)	169 (81.3)
PR-L	21 (10.1)	39 (18.8)
SD	17 (8.2)	28 (13.5)
PD	1 (0.5)	2 (1.0)
Discontinued or new therapy prior to 1 <sup>st</sup> assessment	6 (2.9)	9 (4.3)
	<b>del(17p) (n=24), n (%)</b>	<b>del(17p) (n=26), n (%)</b>
ORR (PR+CR)	20 (83.3)	14 (53.8)

## PFS by investigator assessment



CR, complete response; CRi, CR with incomplete bone marrow recovery; nPR, nodular partial response; ORR, overall response rate; PD, progressive disease; PFS, progression-free survival; PR, partial response; PR-L, partial response with lymphocytosis; SD, stable disease



## Phase 3 ALPINE study: AEs of Special Interest

Safety Analysis Population	Zanubrutinib (n=204), n (%)		Ibrutinib (n=207), n (%)	
	Any Grade	Grade $\geq 3$	Any Grade	Grade $\geq 3$
Cardiac disorders <sup>a</sup>	28 (13.7)	5 (2.5)	52 (25.1)	14 (6.8)
<b>Atrial fibrillation and flutter (key 2<sup>o</sup> endpoint)</b>	<b>5 (2.5)</b>	<b>2 (1.0)</b>	<b>21 (10.1)</b>	<b>4 (1.9)</b>
Hemorrhage	73 (35.8)	6 (2.9)	75 (36.2)	6 (2.9)
Major hemorrhage <sup>b</sup>	6 (2.9)	6 (2.9)	8 (3.9)	6 (2.9)
Hypertension	34 (16.7)	22 (10.8)	34 (16.4)	22 (10.6)
Infections	122 (59.8)	26 (12.7)	131 (63.3)	37 (17.9)
Neutropenia <sup>c</sup>	58 (28.4)	38 (18.6)	45 (21.7)	31 (15.0)
Thrombocytopenia <sup>c</sup>	19 (9.3)	7 (3.4)	26 (12.6)	7 (3.4)
Secondary primary malignancies	17 (8.3)	10 (4.9)	13 (6.3)	4 (1.9)
Skin cancers	7 (3.4)	3 (1.5)	10 (4.8)	2 (1.0)

AE, adverse events. All events are of any grade unless otherwise specified.

<sup>a</sup> Cardiac disorders leading to treatment discontinuation: zanubrutinib 0 patients and ibrutinib 7 (3.4%) patients.

<sup>b</sup> Includes hemorrhages that were serious or grade  $\geq 3$  or CNS hemorrhages of all grades.

<sup>c</sup> Pooled terms including neutropenia, neutrophil count decreased, and febrile neutropenia; thrombocytopenia and platelet count decreased.

**ALPINE study. Hillmen et al. LB1900 EHA 2021**



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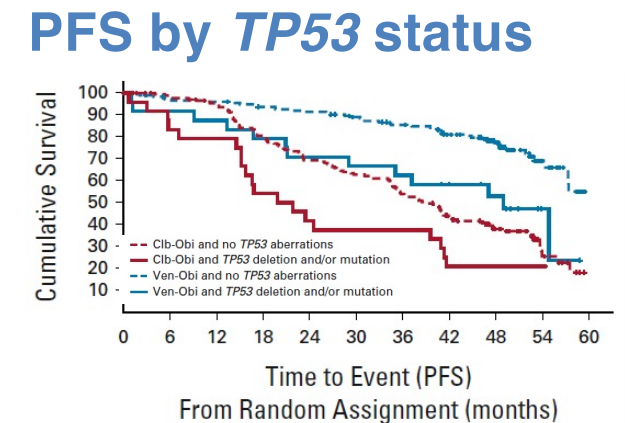
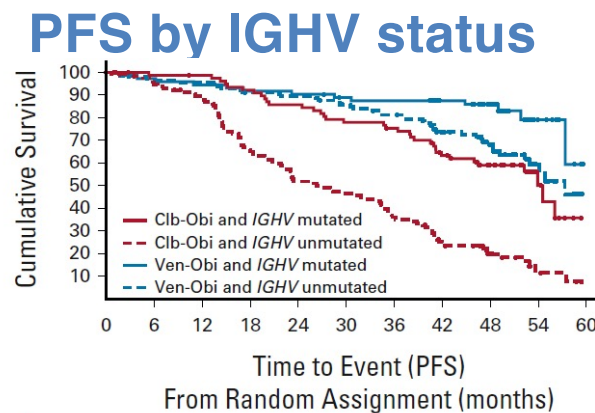
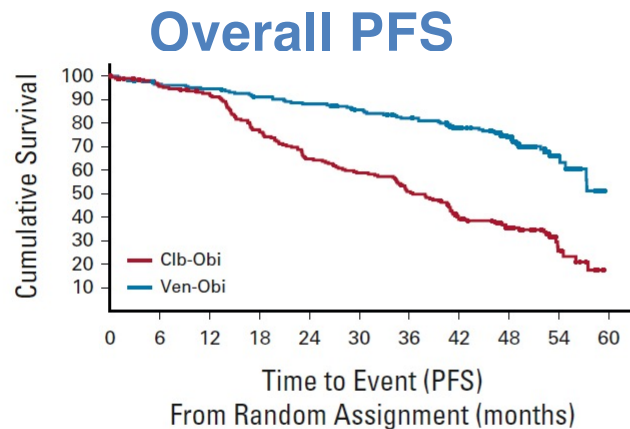
**IN HEMATOLOGY**  
Sindromi linfoproliferative  
ed oltre...

Torino, 5 Aprile 2022  
Starhotels Majestic

**Fixed duration:  
present and future**

# CLL14 Phase 3 trial: venetoclax + obinutuzumab<sup>1,2</sup>

Median observation time = 52.4 months



	Median PFS	4-year PFS rate
Ven-Obi	NR	74.0%
Clb-Obi	36.4 months	35.4%
	HR 0.33, 95% CI 0.25, 0.45 p<0.0001	

	Median PFS
Ven-Obi & IGHV mutated	NR
Ven-Obi & IGHV unmutated	57.3 months
Clb-Obi & IGHV mutated	54.5 months
Clb-Obi & IGHV unmutated	26.9 months

	Median PFS
Ven-Obi & no TP53 del/mutated	NR
Ven-Obi & TP53 del/mutated	49.0 months
Clb-Obi & no TP53 del/mutated	38.9 months
Clb-Obi & TP53 del/mutated	20.8 months

CI, confidence interval; del, deletion; HR, hazard ratio; IGHV, immunoglobulin heavy chain; m, months; NR, not reached; Obi, obinutuzumab; PFS, progression-free survival; TP53, tumour protein p53; Ven, venetoclax

1. Al-Sawaf O, et al. *J Clin Oncol* 2021;39:4049–4060; 2. Al-Sawaf O, et al. Oral presentation at EHA 2021 (Abstract S146)

# CLL14 Phase 3 trial: venetoclax + obinutuzumab

## Most frequent grade $\geq 3$ AEs

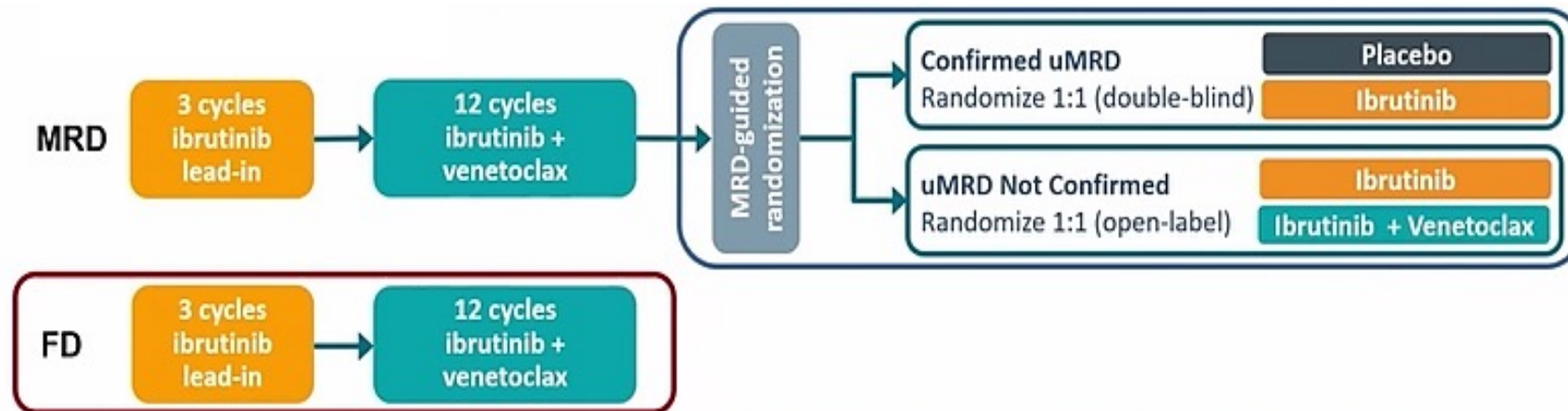
	Venetoclax-obinutuzumab (N=212)		Chlorambucil- obinutuzumab (N=214)	
	During treatment	After treatment	During treatment	After treatment
<b>Neutropenia</b>	51.9%	4.0%	47.2%	1.9%
<b>Thrombocytopenia</b>	13.7%	0.5%	15.0%	0.0%
<b>Anaemia</b>	7.5%	1.5%	6.1%	0.5%
<b>Febrile neutropenia</b>	4.2%	1.0%	3.3%	0.5%
<b>Leukopenia</b>	2.4%	0.0%	4.7%	0.0%
<b>Pneumonia</b>	3.3%	3.0%	2.8%	1.4%
<b>Infusion-related reaction</b>	9.0%	0.0%	9.8%	0.5%
<b>Tumour lysis syndrome</b>	1.4%	0.0%	3.3%	0.0%

## Second primary malignancies

	Venetoclax-obinutuzumab (N=212)	Chlorambucil- obinutuzumab (N=214)
<b>Overall total number of events</b>	<b>47</b>	<b>42</b>
Number of patients with at least one SPM	40 (18.9%)	30 (14.0%)
Non-melanoma skin cancer	19 (8.9%)	18 (8.4%)
Melanoma	8 (3.7%)	3 (1.4%)
Prostate cancer	4 (1.8%)	3 (1.4%)
Colon cancer	2 (0.9%)	2 (0.9%)
Lung cancer	2 (0.9%)	2 (0.9%)
Bladder cancer	2 (0.9%)	0
Breast cancer	2 (0.9%)	0
Hepatocellular carcinoma	0	1 (0.5%)
Pancreatic cancer	0	1 (0.5%)
Haematological cancer (MDS, AML, T-NHL)	3 (1.4%)	1
Other	2 (0.5%)	3 (1.4%)

## CAPTIVATE Phase 2 trial: 1L ibrutinib + venetoclax

CAPTIVATE is an international, multicentre Phase 2 study evaluating 3 cycles of ibrutinib followed by 12 cycles of combined ibrutinib + venetoclax that comprises two cohorts: MRD and FD<sup>1,2</sup>



uMRD rates with 12 cycles of combined ibrutinib + venetoclax<sup>3</sup>

	Peripheral blood (n=163)	Bone marrow (n=155)
<b>Best response of uMRD in evaluable patients (95% CI)</b>	<b>75%</b> (69, 82)	<b>72%</b> (65, 79)

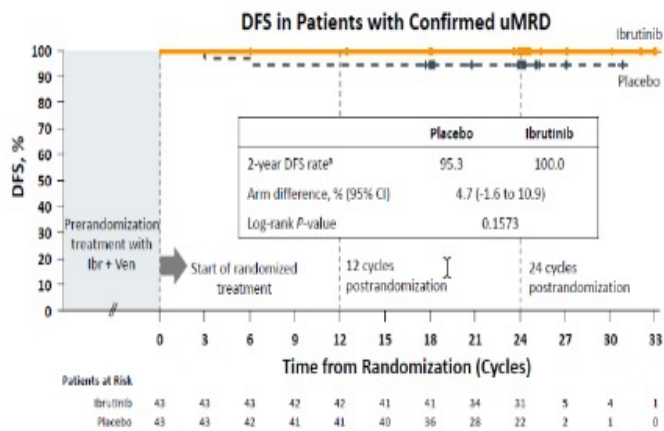
1L, first-line; CI, confidence interval; FD, fixed duration; MRD, minimal residual disease; uMRD, undetectable MRD

1. Ghia P, et al. Oral presentation at ASCO 2021 (Abstract 7501); 2. Allan JN, et al. Oral presentation at EHA 2021 (Abstract S147); 3. Wierda WG, et al. Oral presentation at iwCLL 2021 (Abstract 1084132)



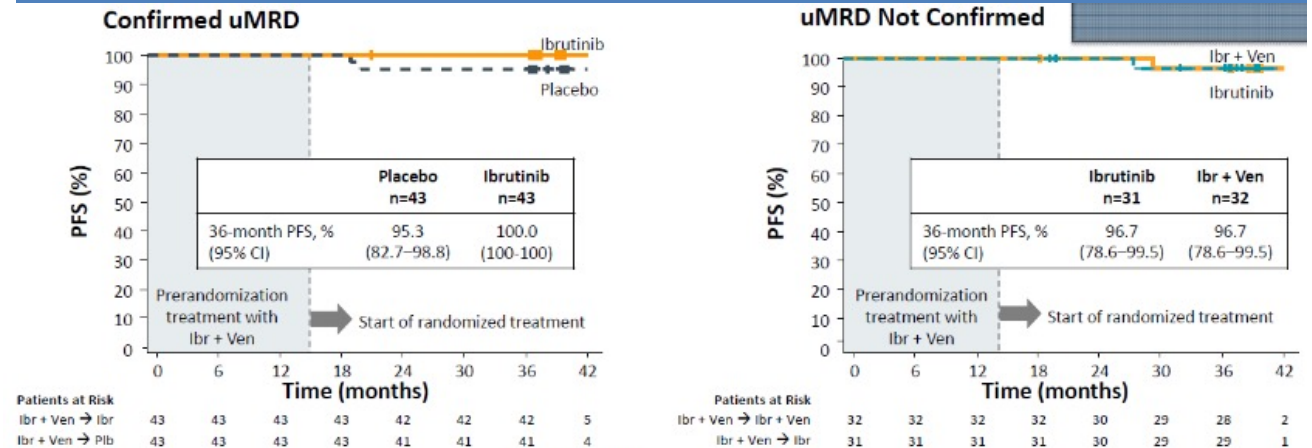
# CAPTIVATE Phase 2 trial: DFS from the MRD cohort

**No new DFS events occurred since primary**



Median follow-up = 24 months postrandomization

**3-year PFS rates were ≥95% across all randomised arms**



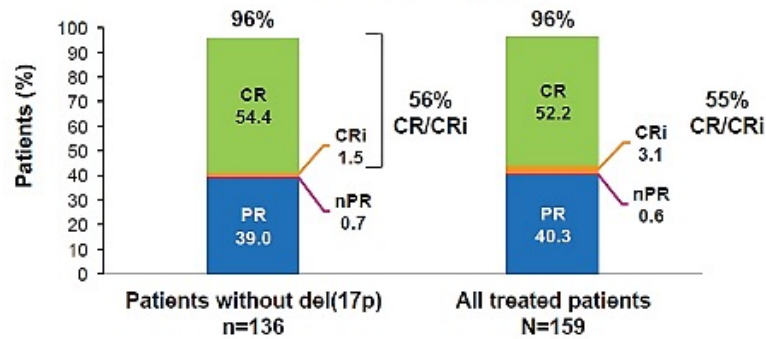
Median follow-up = 38 months

CI, confidence interval; DFS, disease-free survival; Ibr, ibrutinib; MRD, minimal residual disease; Plb, placebo; uMRD, undetectable MRD; Ven, venetoclax



# CAPTIVATE Phase 2 trial: primary analysis of the **FD** cohort

## Best overall response

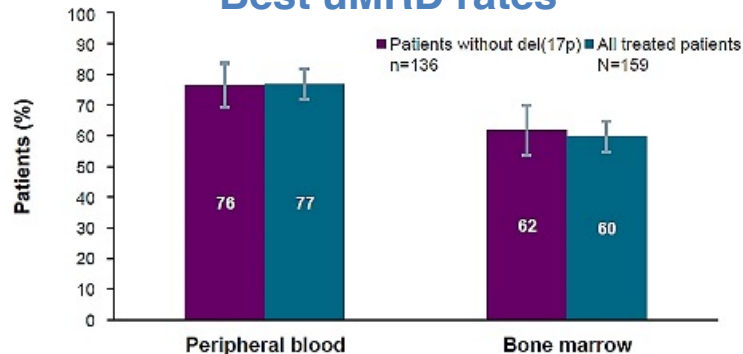


DOCR ≥12 cycles  
n/N (%)

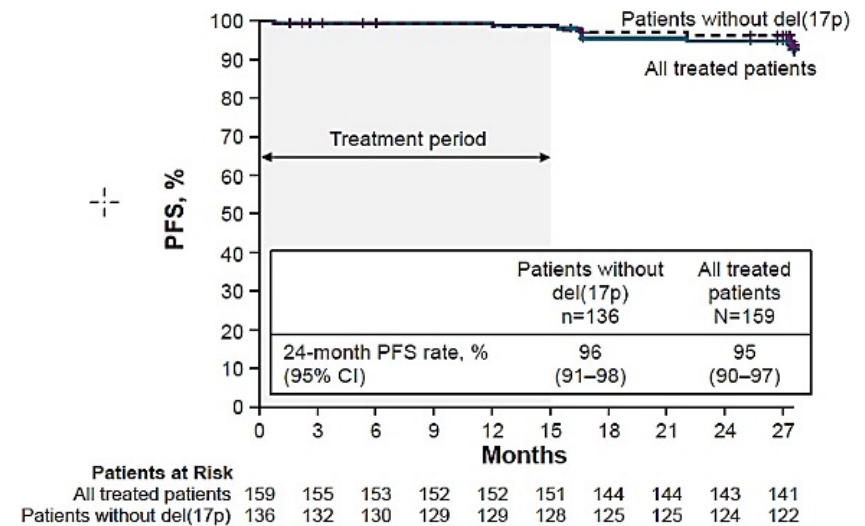
66/76 (87)

78/88 (89)\*

## Best uMRD rates



## PFS



## Estimated 24-month PFS rates

- Unmutated IGHV: 93% (95% CI 85, 97)
- Mutated IGHV: 97% (95% CI 88, 99)

CI, confidence interval; CR, complete response; CRi, CR with incomplete bone marrow recovery; DOCR, duration of CR; FD, fixed duration; IGHV, immunoglobulin heavy chain; MRD, minimal residual disease; uMRD, undetectable MRD; PFS, progression-free survival; PR, partial response

# A glimpse into the future

**Third generation of BTK-inhibitors**

-

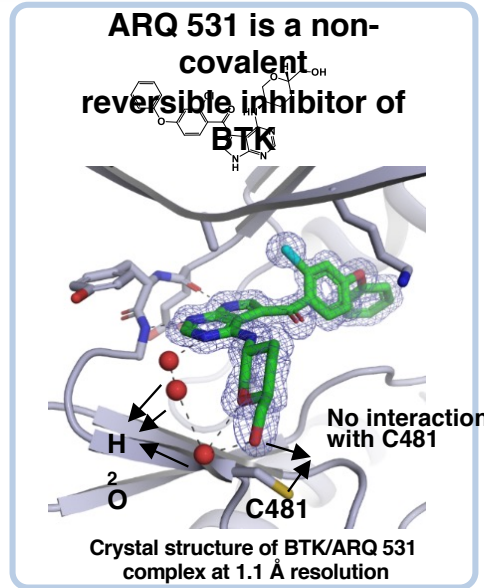
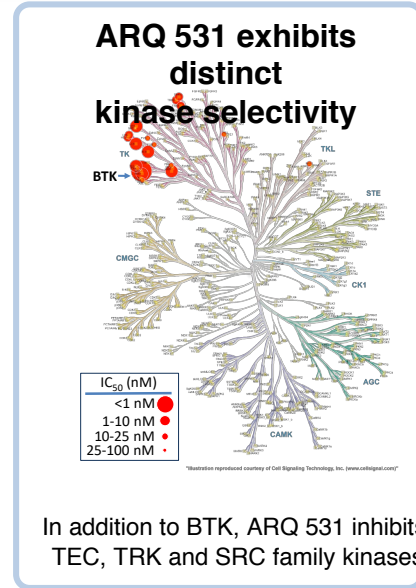
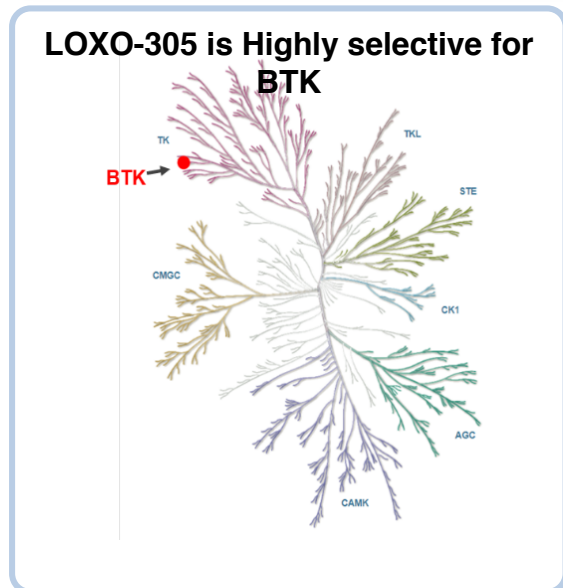
**Relapsed/Refractory CLL**

# Third generation BTK inhibitors

**LOXO-305**  
Pirtobrutinib

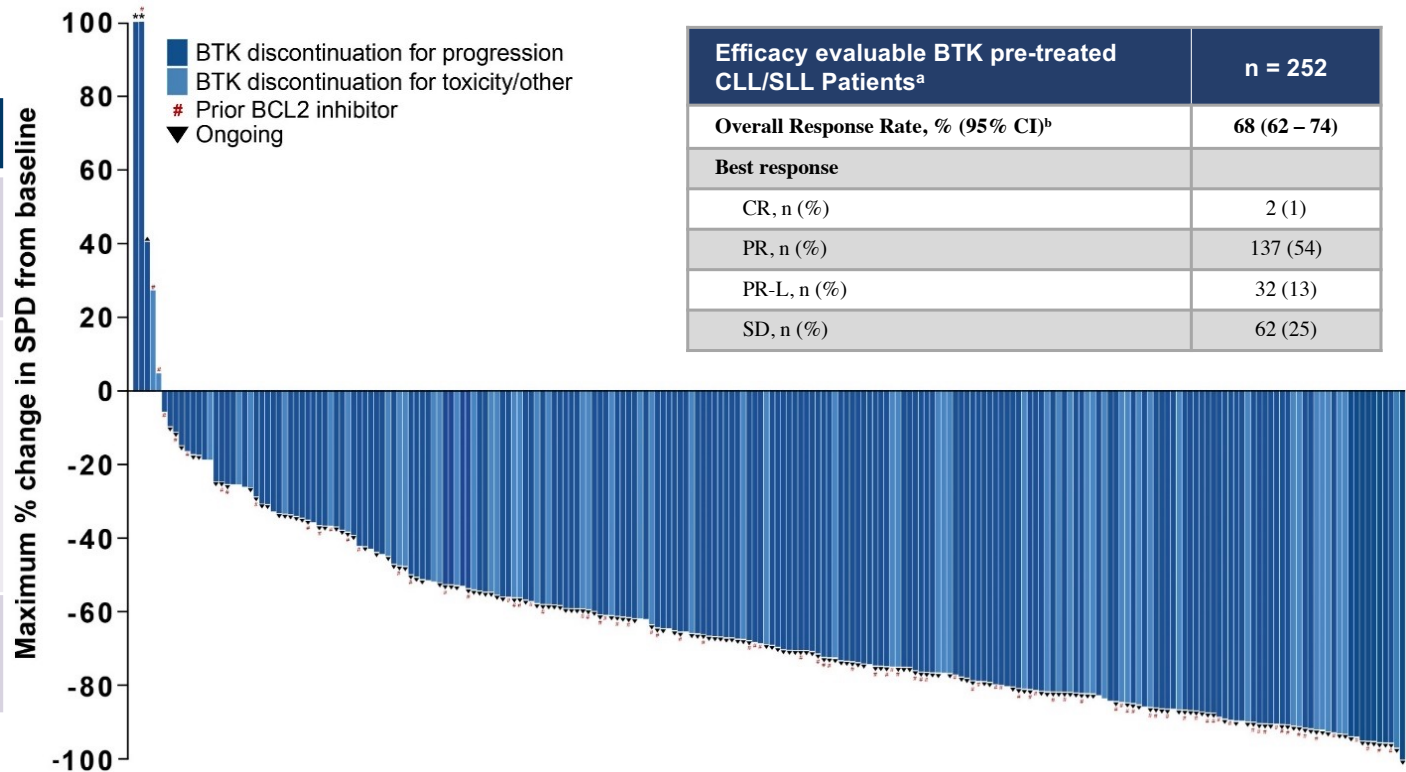
**MK-1026 (ARQ531)**  
Nemtabrutinib

- They bind **REVERSIBLY** to BTK
- They are **DUAL INHIBITORS** of both wild type and C481S mutated BTK



## Phase 1/2 BRUIN study: Pirtobrutinib in RR CLL

Baseline Molecular Characteristics	
<b>Mutation status, n (%)</b>	
BTK C481-mutant	89 (43)
BTK C481-wildtype	118 (57)
PLCG2-mutant	33 (16)
<b>High Risk Molecular Features, n (%)</b>	
17p deletion	51 (28)
<i>TP53</i> mutation	64 (37)
17p deletion or <i>TP53</i> mutation	77 (36)
Both 17p deletion and <i>TP53</i> mutation	38 (27)
IGHV unmutated	168 (84)
11q deletion	45 (25)
<b>Reason discontinued prior BTKi, n (%)</b>	
Progressive disease	196 (75)
Toxicity/Other	65 (25)

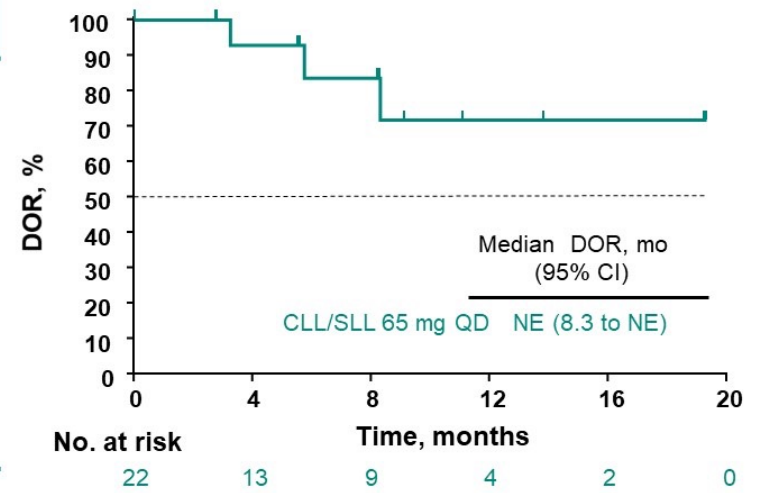


Efficacy was independent of BTK C481 mutation status, the reason for prior BTK discontinuation or other classes of prior therapy received

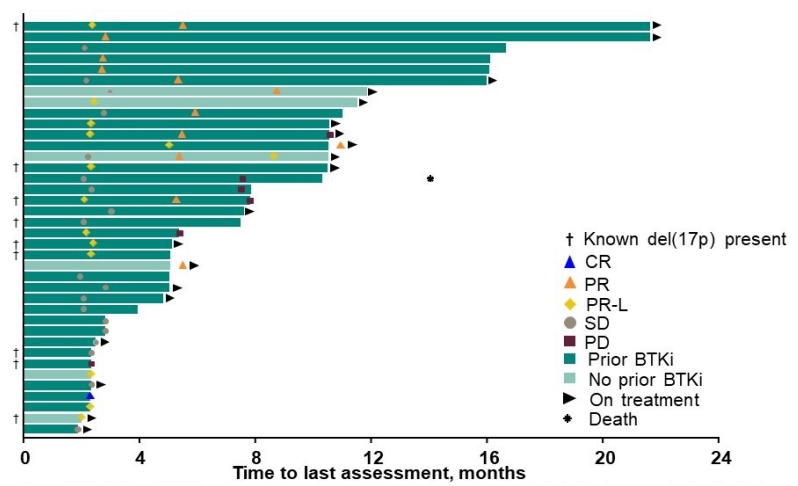


Characteristic, n (%)	CLL/SLL 65 mg QD N = 51
Prior lines, median (range)	4 (1-18)
Prior BTK inhibitor therapy	43 (84.3)
ECOG PS 0	14 (27.5)
1	32 (62.7)
2	5 (9.8)
IGHV Unmutated	30 (58.8)
Mutated	2 (3.9)
Unknown	19 (37.3)
Del (17p) Present	12 (23.5)
Absent	33 (64.7)
Missing	6 (11.8)
BTK C481S Present	32 (62.7)
Absent	12 (23.5)
Unknown/Missing	7 (13.7)

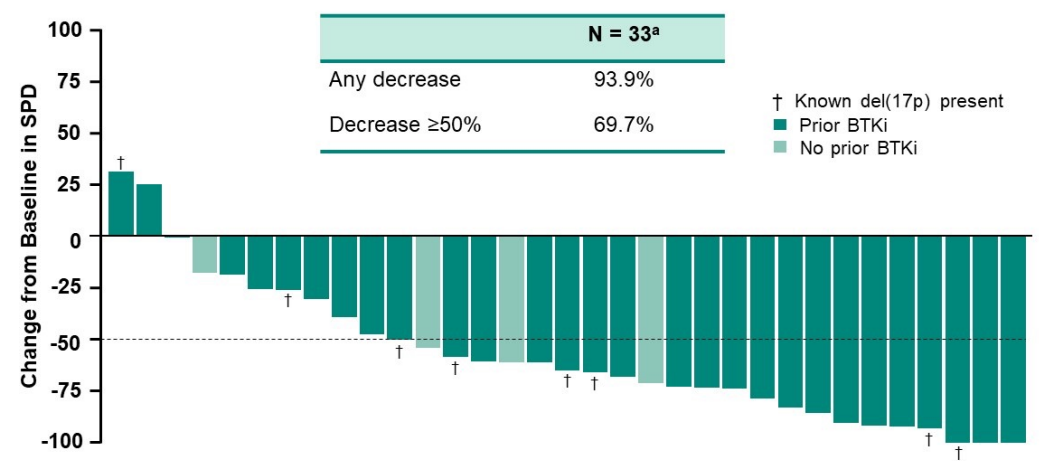
n (%) [95% CI]	CLL/SLL 65 mg QD N = 38 <sup>a</sup>
<b>ORR</b>	<b>22 (57.9%)</b> <b>[40.8-73.6]</b>
CR	1 (2.6%) [0.0-13.8]
PR	12 (31.6%) [17.5-48.6]
PR-L	9 (23.7%) [11.4-40.2]
SD	15 (39.5%) [24.0-55.6]



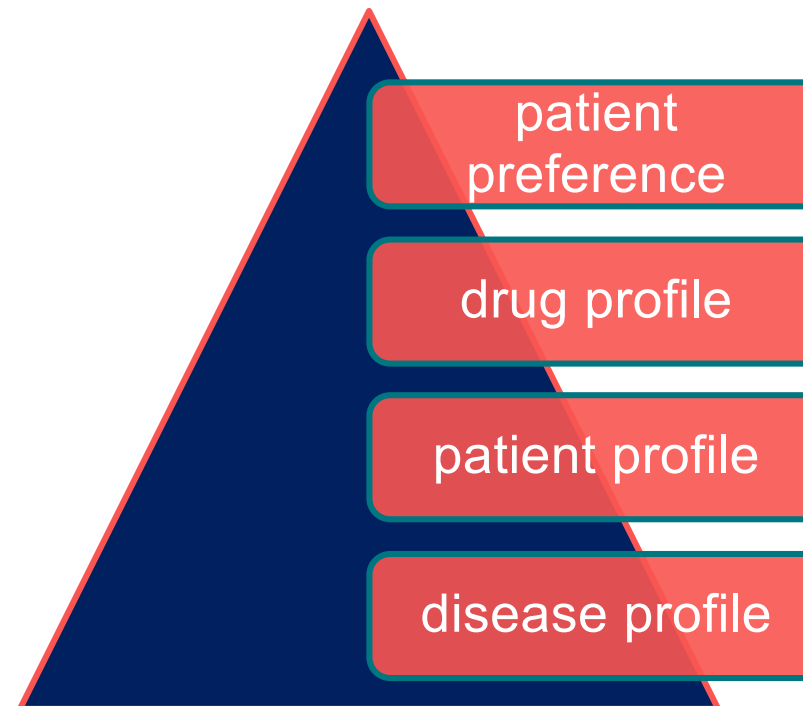
### Treatment duration response



### Percent change from baseline



## Personalized management in CLL





**HOT NEWS**

**IN HEMATOLOGY**  
Sindromi linfoproliferative ed oltre...

# Division of Experimental Oncology

Torino, 5 Aprile 2022  
Starhotels Majestic



**FC SR**  
Fondazione  
CENTRO SAN RAFFAELE



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### **CERTH, Thessaloniki**

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### **Karolinska Institut, Stockholm**

**Lesley Ann Sutton, Panayotis Baliakas, Viktor Ljungstrom, Richard Rosenquist**

