

# Emerging Therapies and the Five-Year Outlook

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# Disclosures

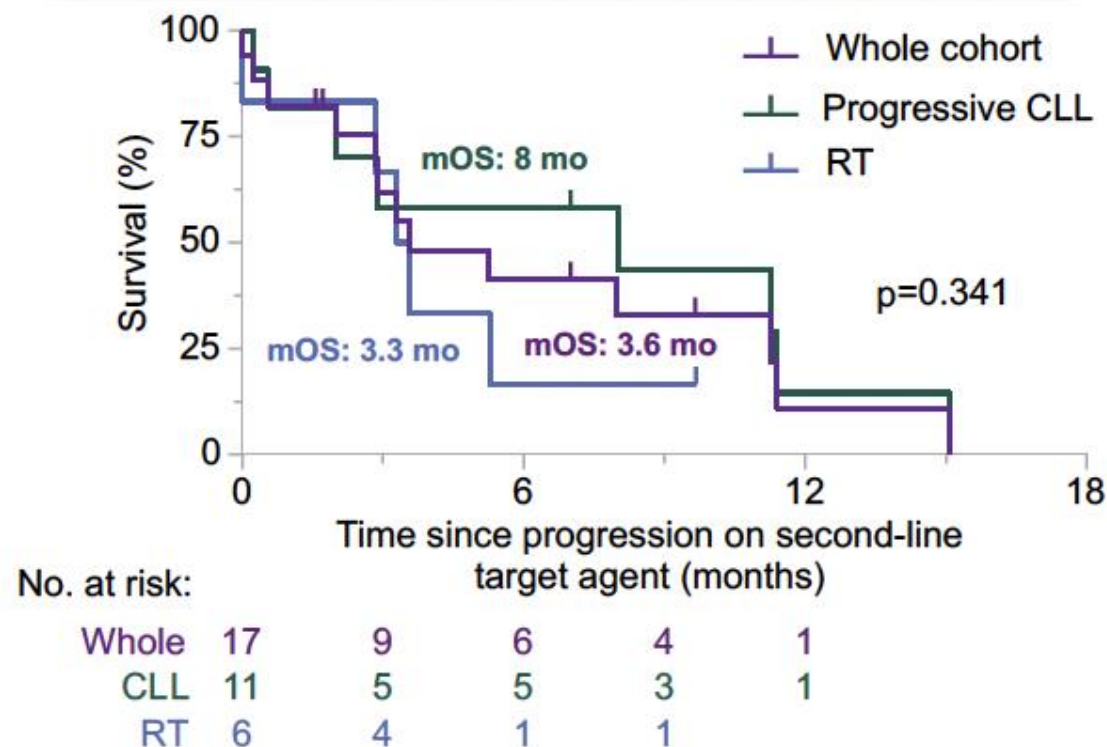
Honoraria/travel support: Astra Zeneca, BeOne, Lilly, Janssen

Advisory board: BeOne, Lilly

# Double Refractory CLL

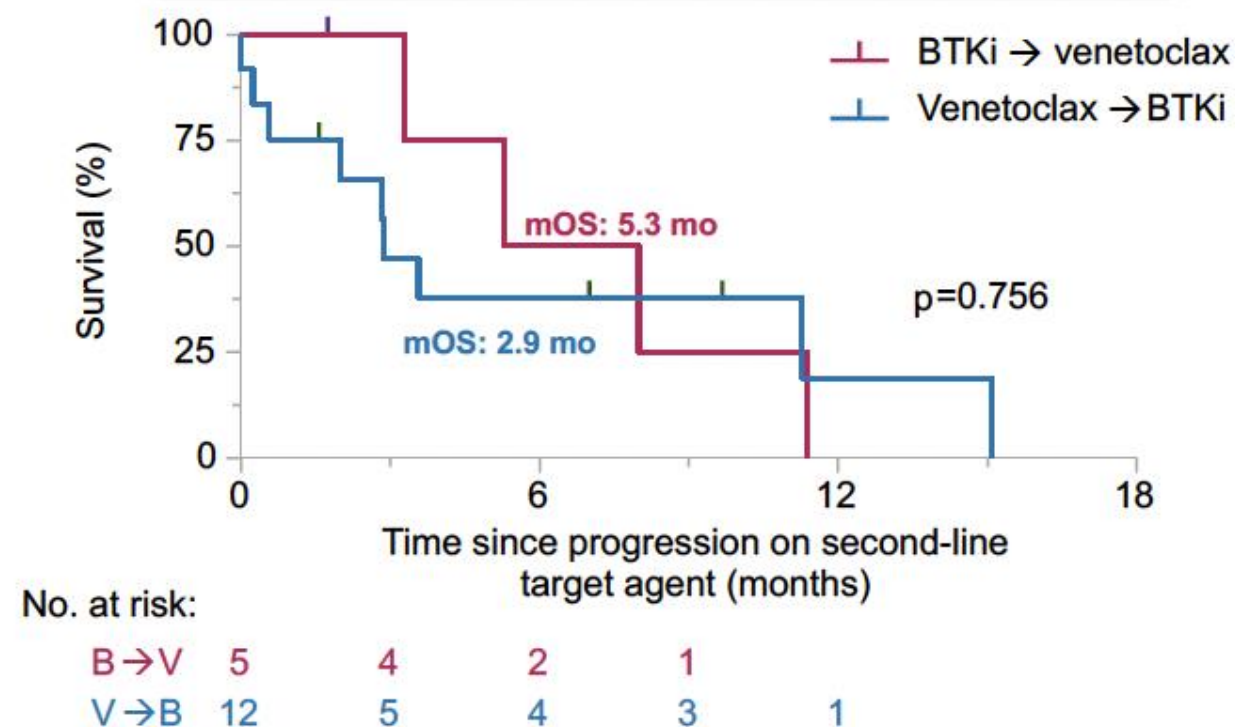
# Poor outcomes in patients with double class-resistant CLL

OS after the development of PD on 2L targeted therapy (N=17)



**No difference in OS between progressive CLL (8 months) and RT (3.3 months)**

OS after the development of PD on 2L targeted therapy, stratified by prior sequencing of targeted agents (N=17)



# Approaches in Double Refractory CLL

- Small molecule targeted therapies
  - Pirtobrutinib
  - Trials: other ncBTKi, BTK degraders, second generation BCL2i
- Immunotherapies
  - Bispecifics: epcoritamab, mosunetuzumab
  - Cellular therapies: lisocel, allograft

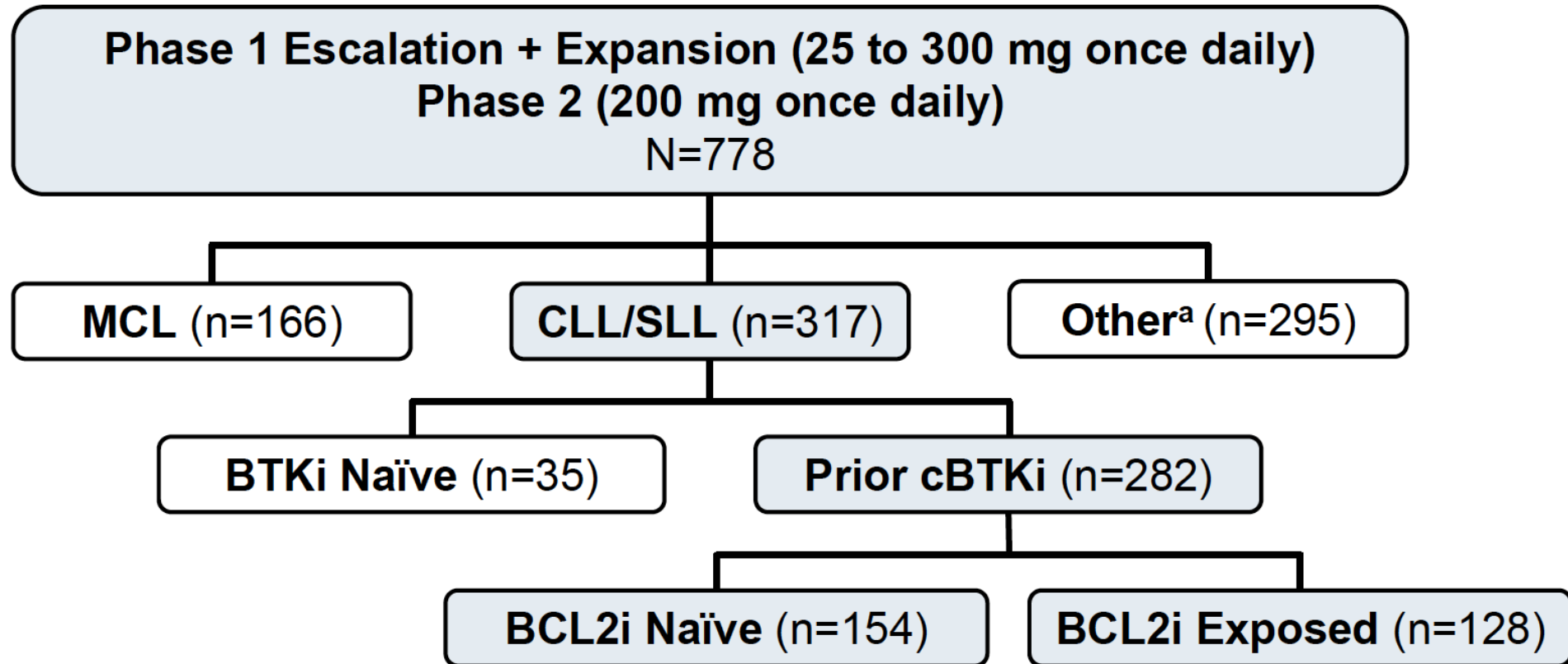
# Evaluating the mutational profile when targeting BTK

**Table 1.** Binding affinities and clinical efficacy of available BTKi to known mutations, relative to wild-type BTK [36,37,38,39].

|                                  |                      | Wild-Type | C481S     | T474I     | L528W     | A428D  |
|----------------------------------|----------------------|-----------|-----------|-----------|-----------|--------|
| Covalent BTKi                    | Ibrutinib            | Normal    | Decreased | Normal    | Absent    | Absent |
|                                  | Acalabrutinib        | Normal    | Decreased | Decreased | Decreased | Absent |
|                                  | Zanubrutinib         | Normal    | Decreased | Decreased | Absent    | Absent |
| Non-covalent BTKi                | Pirtobrutinib        | Normal    | Normal    | Decreased | Absent    | Absent |
| Dual covalent + noncovalent BTKi | LP-168               | Normal    | Normal    | Normal    | Absent    | Absent |
| BTK Degraders                    | BGB-16673<br>NX-5948 | Normal    | Normal    | Normal    | Normal    | Normal |

# Non-Covalent BTK Inhibitors

# Pirtobrutinib in Post-BTKi CLL/SLL: Final Update From the Phase 1/2 BRUIN Study With > 5-Years Follow-Up



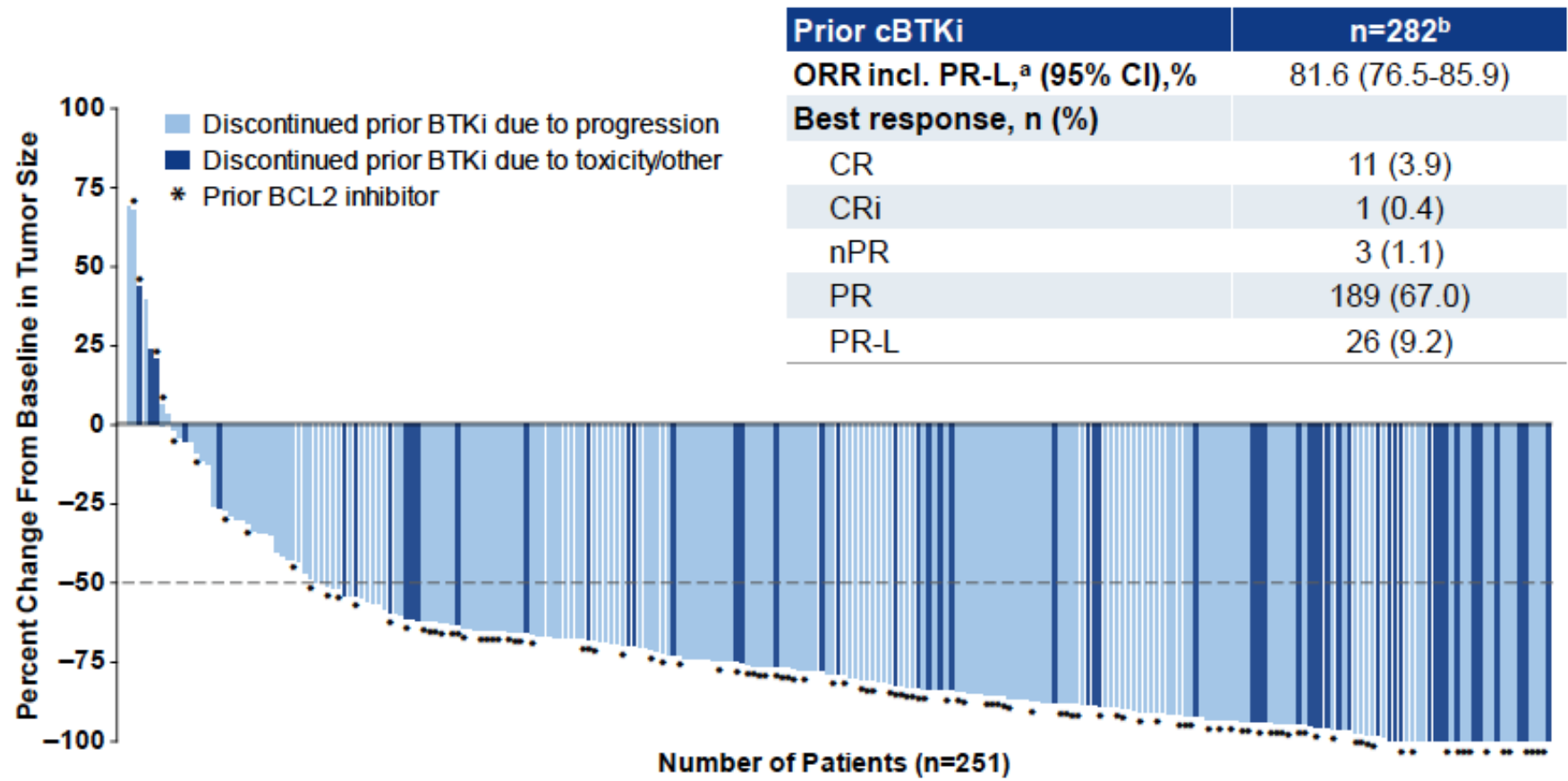
# BRUIN Phase 1/2: cBTKi exposed CLL Cohort

**Baseline Characteristics of Patients With CLL/SLL Who Received Prior cBTKi, and by BCL2i Exposure**

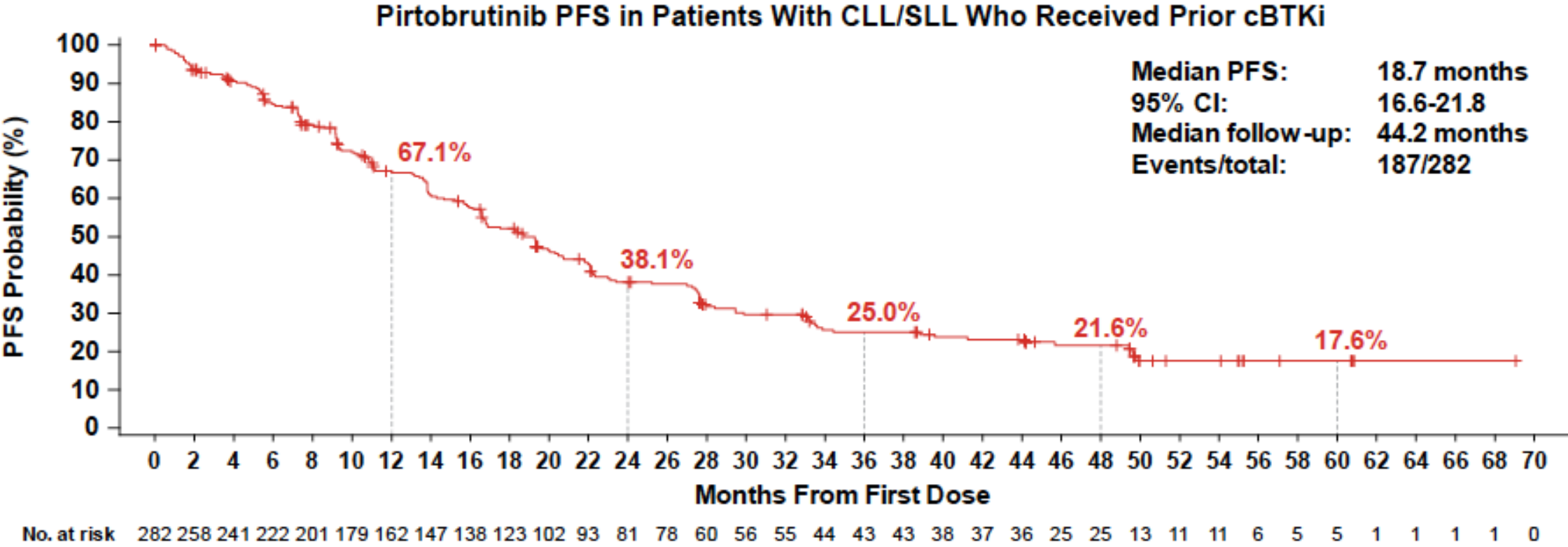
| Characteristic                                                | Prior cBTKi<br>(n=282) | BCL2i-N<br>(n=154) | BCL2i-E<br>(n=128) |
|---------------------------------------------------------------|------------------------|--------------------|--------------------|
| Median age (range), years                                     | 69 (36-88)             | 69 (36-87)         | 68 (41-88)         |
| Male, n (%)                                                   | 192 (68)               | 106 (69)           | 86 (67)            |
| Rai staging                                                   |                        |                    |                    |
| 0-II                                                          | 147 (52)               | 94 (61)            | 53 (41)            |
| III-IV                                                        | 120 (43)               | 58 (38)            | 62 (48)            |
| Missing                                                       | 15 (5)                 | 2 (1)              | 13 (10)            |
| Bulky lymphadenopathy ≥5 cm, n (%)                            | 88 (31)                | 42 (27)            | 46 (36)            |
| ECOG PS, n (%)                                                |                        |                    |                    |
| 0                                                             | 144 (51)               | 89 (58)            | 55 (43)            |
| 1                                                             | 118 (42)               | 56 (36)            | 62 (48)            |
| 2                                                             | 20 (7)                 | 9 (6)              | 11 (9)             |
| Median number of prior lines of systemic therapy (range)      | 4 (1-11)               | 3 (1-9)            | 5 (1-11)           |
| Prior therapy, n (%)                                          |                        |                    |                    |
| BTKi                                                          | 282 (100)              | 154 (100)          | 128 (100)          |
| Anti-CD20 antibody                                            | 251 (89)               | 127 (83)           | 124 (97)           |
| Chemotherapy                                                  | 228 (81)               | 114 (74)           | 114 (89)           |
| BCL2i                                                         | 128 (45)               | 0                  | 128 (100)          |
| PI3K inhibitor                                                | 71 (25)                | 17 (11)            | 54 (42)            |
| CAR-T                                                         | 17 (6)                 | 2 (1)              | 15 (12)            |
| Allogeneic stem cell transplant                               | 7 (3)                  | 1 (1)              | 6 (5)              |
| Median time from diagnosis to first dose (IQR), years         | 11 (8-15)              | 11 (7-15)          | 12 (8-15)          |
| Reason for any prior BTKi discontinuation, <sup>a</sup> n (%) |                        |                    |                    |
| Progressive disease                                           | 217 (77)               | 110 (71)           | 107 (84)           |
| Toxicity/other                                                | 64 (23)                | 43 (28)            | 21 (16)            |
| Baseline Molecular Characteristic <sup>b</sup>                | Prior cBTKi<br>(n=282) | BCL2i-N<br>(n=154) | BCL2i-E<br>(n=128) |
| Mutation status, n/N available (%)                            |                        |                    |                    |
| BCL2 mutated                                                  | 19/246 (8)             | 0/133 (0)          | 19/113 (17)        |
| BTK C481 mutated                                              | 96/245 (39)            | 57/138 (41)        | 39/107 (36)        |
| PLCg2 mutated                                                 | 18/245 (7)             | 10/138 (7)         | 8/107 (8)          |
| High-risk molecular features, n/N available (%)               |                        |                    |                    |
| 17p deletion and/or TP53 mutation                             | 104/217 (48)           | 57/123 (46)        | 47/94 (50)         |
| IGHV unmutated                                                | 193/225 (86)           | 100/125 (80)       | 93/100 (93)        |
| Complex karyotype                                             | 33/73 (45)             | 17/41 (42)         | 16/32 (50)         |
| 11q deletion                                                  | 47/202 (23)            | 28/115 (24)        | 19/87 (22)         |

# Excellent Response Rates in Prior cBTKi Treated CLL/SLL

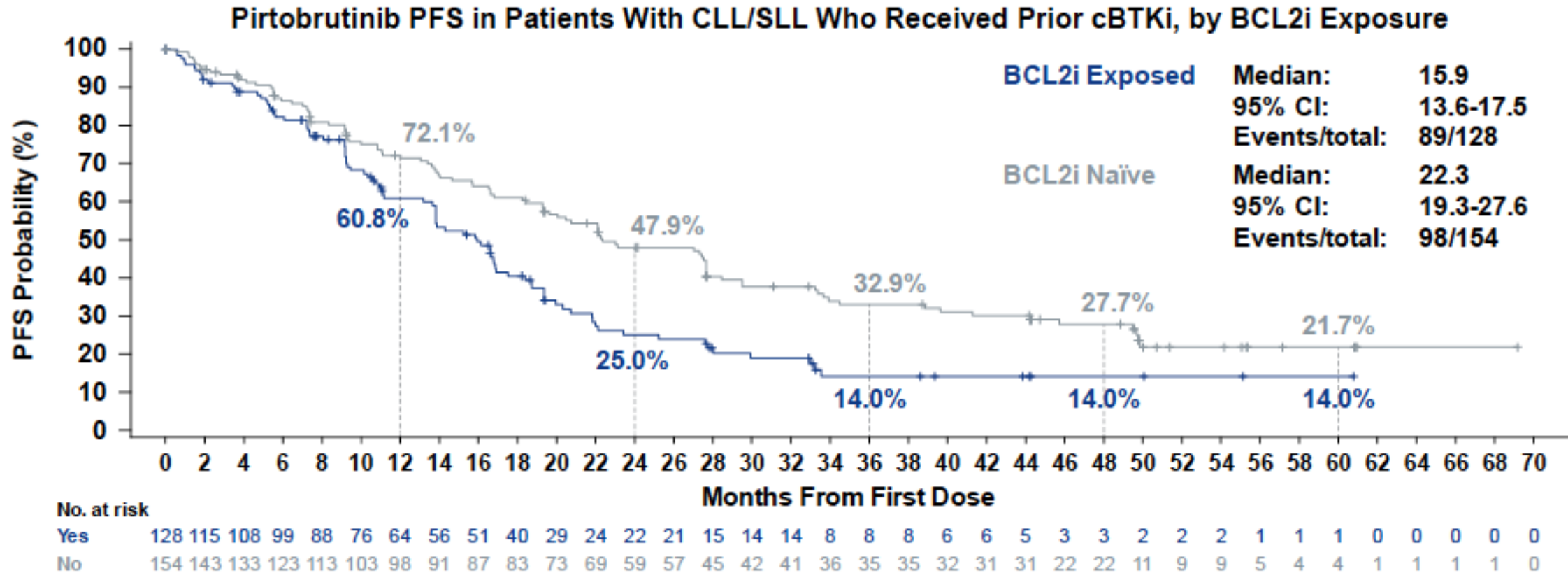
## Response in Patients With CLL/SLL Who Received Prior cBTKi



# Pirtobrutinib PFS in CLL/SLL who Received Prior cBTKi



# Pirtobrutinib PFS in Previously cBTKi Exposed Patients – By BCL2i exposure



# Safety Profile

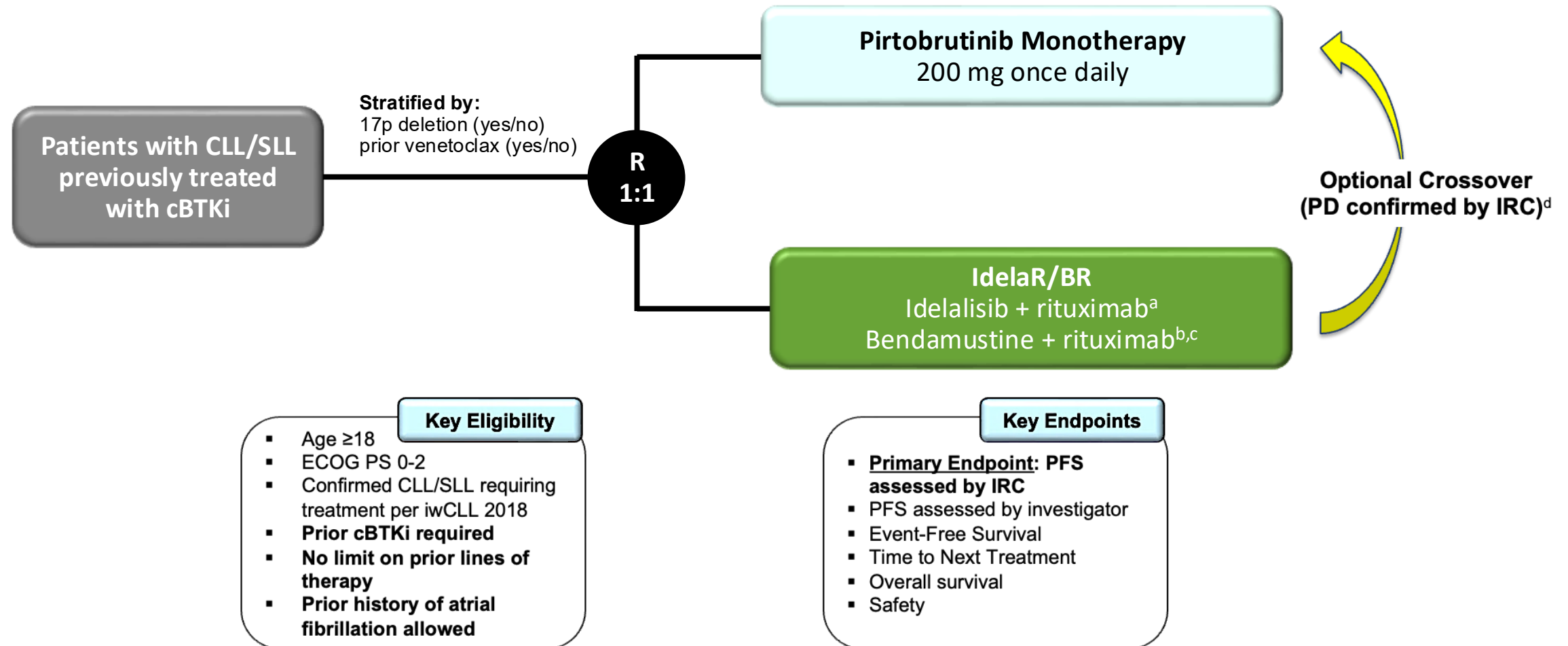
## Safety Profile for Patients With CLL/SLL Who Received Prior cBTKi

| AE, ≥20%                                   | TEAEs in Patients With CLL/SLL (n=282) |          |                          |          |
|--------------------------------------------|----------------------------------------|----------|--------------------------|----------|
|                                            | All-Cause AEs                          |          | Treatment-Related AEs, % |          |
|                                            | Any Grade                              | Grade ≥3 | Any Grade                | Grade ≥3 |
| Fatigue                                    | 38.7                                   | 1.8      | 3.9                      | 0.0      |
| Neutropenia <sup>a,b</sup>                 | 35.8                                   | 29.8     | 20.6                     | 16.3     |
| Diarrhea                                   | 30.5                                   | 0.4      | 8.9                      | 0.0      |
| Cough                                      | 29.8                                   | 0.0      | 2.1                      | 0.0      |
| Contusion                                  | 27.7                                   | 0.0      | 18.8                     | 0.0      |
| COVID-19                                   | 28.4                                   | 6.0      | 0.7                      | 0.0      |
| Dyspnea                                    | 23.4                                   | 2.5      | 0.7                      | 0.4      |
| Nausea                                     | 23.4                                   | 0.0      | 3.9                      | 0.0      |
| Abdominal pain                             | 21.6                                   | 2.1      | 2.1                      | 0.4      |
| AEs of Interest <sup>c</sup>               | Any Grade                              | Grade ≥3 | Any Grade                | Grade ≥3 |
| Infections <sup>d</sup>                    | 76.2                                   | 36.5     | 14.9                     | 5.7      |
| Bruising <sup>e</sup>                      | 31.2                                   | 0.0      | 20.2                     | 0.0      |
| Rash <sup>f</sup>                          | 25.2                                   | 1.1      | 5.7                      | 0.4      |
| Arthralgia                                 | 23.0                                   | 1.4      | 4.6                      | 0.0      |
| Hemorrhage <sup>g</sup>                    | 25.2                                   | 3.2      | 8.2                      | 1.4      |
| Hypertension                               | 16.0                                   | 5.3      | 3.9                      | 0.7      |
| Atrial fibrillation/flutter <sup>h,i</sup> | 5.0                                    | 2.1      | 1.4                      | 0.7      |

Median (IQR) time on treatment was 20.0 (9.6-37.7) months  
 11 (3.9%) patients had treatment-related AE leading to pirtobrutinib dose reduction  
 9 (3.2%) patients had treatment-related AE leading to pirtobrutinib discontinuation

# BRUIN CLL-321 Study Design

*First randomized Phase 3 clinical trial exclusively in patients with CLL/SLL previously treated with cBTKi*



Treatment was given in 28-day cycles. PFS assessed based on iwCLL2018. <sup>a</sup>Idelalisib dosed at 150 mg PO BID. Day 1 of cycle 1, first dose of rituximab at 375 mg/m<sup>2</sup>, next 4 infusions at 500 mg/m<sup>2</sup> every 2 weeks, next 3 infusions at 500 mg/m<sup>2</sup> every 4 weeks. <sup>b</sup>Bendamustine (70 mg/m<sup>2</sup>) administered IV D1, D2 of cycles 1-6. <sup>c</sup>Day 1 of cycle 1, first dose of rituximab at 375 mg/m<sup>2</sup>, next 5 infusions day 1 of cycle 2 through cycle 6 at 500 mg/m<sup>2</sup>. <sup>d</sup>Eligible patients receiving investigator's choice of IdelaR/BR could crossover to receive pirtobrutinib monotherapy upon confirmation of PD by IRC per protocol and only if they met the eligibility criteria for treatment by iwCLL 2018.

# Patient and Disease Characteristics at Baseline

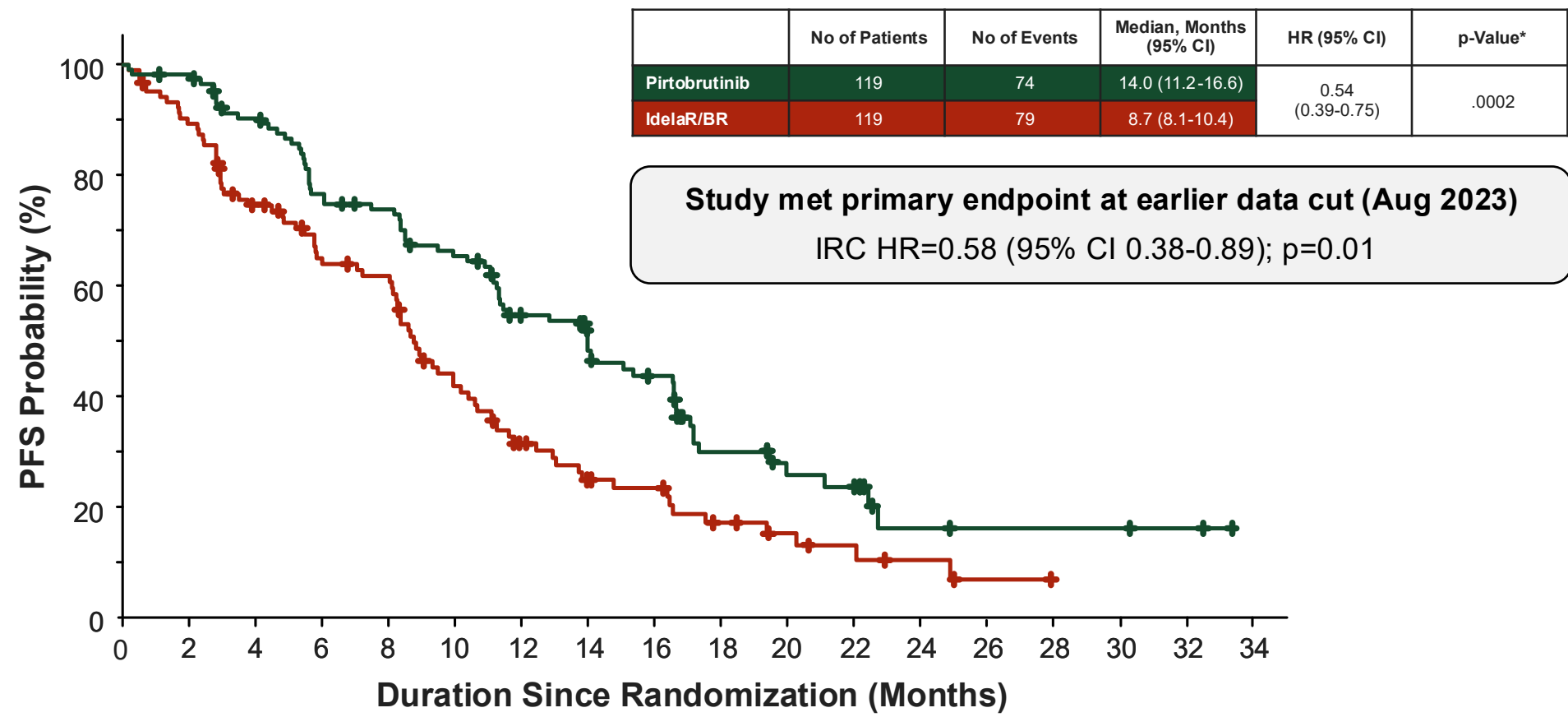
*Includes patients with characteristics associated with poor prognosis and heavily pre-treated CLL/SLL*

| Characteristics                                      | Pirtobrutinib<br>n=119 | IdelaR/BR<br>n=119 |
|------------------------------------------------------|------------------------|--------------------|
| <b>Median Age</b> , years (range)                    | 66 (42-90)             | 68 (42-85)         |
| <b>Male</b> , n (%)                                  | 83 (70)                | 83 (70)            |
| <b>Region</b> , n (%)                                |                        |                    |
| North America                                        | 24 (20)                | 39 (33)            |
| Europe                                               | 76 (64)                | 63 (53)            |
| Asia                                                 | 14 (12)                | 15 (13)            |
| Australia                                            | 5 (4)                  | 2 (2)              |
| <b>Histology</b> , n (%)                             |                        |                    |
| CLL                                                  | 109 (92)               | 108 (91)           |
| SLL                                                  | 10 (8)                 | 11 (9)             |
| <b>ECOG PS</b> , n (%)                               |                        |                    |
| 0-1                                                  | 107 (90)               | 114 (96)           |
| 2                                                    | 12 (10)                | 5 (4)              |
| <b>Rai Stage<sup>a</sup></b> , n (%)                 |                        |                    |
| 0-II                                                 | 58 (51)                | 62 (53)            |
| III-IV                                               | 56 (49)                | 54 (47)            |
| <b>Molecular Characteristics</b> , n/n available (%) |                        |                    |
| BTK C481S                                            | 37/99 (37)             | 36/94 (38)         |
| PLCγ2                                                | 15/99 (15)             | 11/94 (12)         |

| Characteristics                                                       | Pirtobrutinib<br>n=119 | IdelaR/BR<br>n=119 |
|-----------------------------------------------------------------------|------------------------|--------------------|
| <b>Median Lines of Prior Systemic Therapy</b> , n (range)             | 3 (1-13)               | 3 (1-11)           |
| <b>Prior Therapy</b> , n (%)                                          |                        |                    |
| cBTKi                                                                 | 119 (100)              | 119 (100)          |
| Ibrutinib                                                             | 100 (84)               | 106 (89)           |
| Acalabrutinib                                                         | 17 (14)                | 20 (17)            |
| Zanubrutinib                                                          | 10 (8)                 | 7 (6)              |
| Other <sup>b</sup>                                                    | 5 (4)                  | 3 (3)              |
| >1 prior cBTKi                                                        | 17 (14)                | 18 (15)            |
| BCL2 inhibitor <sup>c</sup>                                           | 60 (50)                | 62 (52)            |
| Chemotherapy                                                          | 81 (68)                | 83 (70)            |
| Anti-CD20 antibody                                                    | 86 (72)                | 83 (70)            |
| PI3K Agent                                                            | 11 (9)                 | 11 (9)             |
| Immunomodulator                                                       | 2 (2)                  | 3 (3)              |
| Autologous stem cell transplant                                       | 1 (1)                  | 0 (0)              |
| Allogeneic stem cell transplant                                       | 2 (2)                  | 1 (1)              |
| <b>Reason for Any Prior cBTKi Discontinuation<sup>d</sup></b> , n (%) |                        |                    |
| Disease progression                                                   | 85 (71)                | 87 (73)            |
| Toxicity                                                              | 20 (17)                | 22 (18)            |
| Other                                                                 | 14 (12)                | 8 (7)              |

<sup>a</sup>Rai stage at study entry, excludes patients with missing stage. <sup>b</sup>Other includes, orelabrutinib, tirabrutinib, zebutinib and AVL-292-003. <sup>c</sup>2 patients in the IdelaR/BR arm received an investigational BCL2i, all other patients received venetoclax. <sup>d</sup>In the event more than one reason was noted for discontinuation, disease progression was prioritized, then toxicity, then other reasons.

# IRC-Assessed Progression-Free Survival



|                |               |     |     |     |    |    |    |    |    |    |    |    |    |   |   |   |   |   |   |
|----------------|---------------|-----|-----|-----|----|----|----|----|----|----|----|----|----|---|---|---|---|---|---|
| Number at risk | Pirtobrutinib | 119 | 113 | 100 | 84 | 79 | 69 | 54 | 44 | 36 | 19 | 12 | 10 | 4 | 3 | 3 | 3 | 2 | 0 |
|                | IdelaR/BR     | 119 | 92  | 73  | 60 | 57 | 37 | 25 | 18 | 16 | 10 | 7  | 5  | 3 | 1 | 0 | 0 | 0 | 0 |

# Safety: TEAEs Occurring in $\geq 15\%$ of Patients

- Dose reductions occurred in 13 (11.2%) patients treated with pirtobrutinib and 40 (36.7%) patients treated with IdelaR/BR
- Treatment discontinuations due to AEs occurred in 20 patients (17.2%) treated with pirtobrutinib and 38 patients (34.9%) treated with IdelaR/BR
  - 6 discontinuations (5.2%) were considered related to pirtobrutinib treatment
  - 23 discontinuations (21.1%) were considered related to IdelaR/BR treatment
- Grade 5 TEAEs occurred in 12 patients (10.3%) treated with pirtobrutinib and 10 patients (9.2%) treated with IdelaR/BR

| TEAE                      | Pirtobrutinib (n=116) |                  | IdelaR/BR (n=109) |                  |
|---------------------------|-----------------------|------------------|-------------------|------------------|
|                           | Any Grade, n (%)      | Grade 3/4, n (%) | Any Grade, n (%)  | Grade 3/4, n (%) |
| Anemia                    | 23 (19.8)             | 13 (11.2)        | 19 (17.4)         | 8 (7.3)          |
| Pneumonia                 | 26 (22.4)             | 18 (15.5)        | 13 (11.9)         | 9 (8.3)          |
| Neutropenia               | 21 (18.1)             | 17 (14.7)        | 17 (15.6)         | 13 (11.9)        |
| Diarrhea                  | 19 (16.4)             | 0 (0)            | 34 (31.2)         | 6 (5.5)          |
| Cough                     | 19 (16.4)             | 0 (0)            | 19 (17.4)         | 0 (0)            |
| COVID-19                  | 15 (12.9)             | 0 (0)            | 20 (18.3)         | 4 (3.7)          |
| Pyrexia                   | 15 (12.9)             | 1 (0.9)          | 29 (26.6)         | 1 (0.9)          |
| Fatigue                   | 13 (11.2)             | 2 (1.7)          | 22 (20.2)         | 1 (0.9)          |
| Nausea                    | 13 (11.2)             | 1 (0.9)          | 22 (20.2)         | 0 (0)            |
| Vomiting                  | 8 (6.9)               | 1 (0.9)          | 19 (17.4)         | 0 (0)            |
| ALT increased             | 4 (3.4)               | 1 (0.9)          | 19 (17.4)         | 10 (9.2)         |
| Infusion-related reaction | 0 (0)                 | 0 (0)            | 19 (17.4)         | 3 (2.8)          |
| Weight decreased          | 4 (3.4)               | 0 (0)            | 18 (16.5)         | 0 (0)            |

# Safety: TEAEs of Clinical Interest

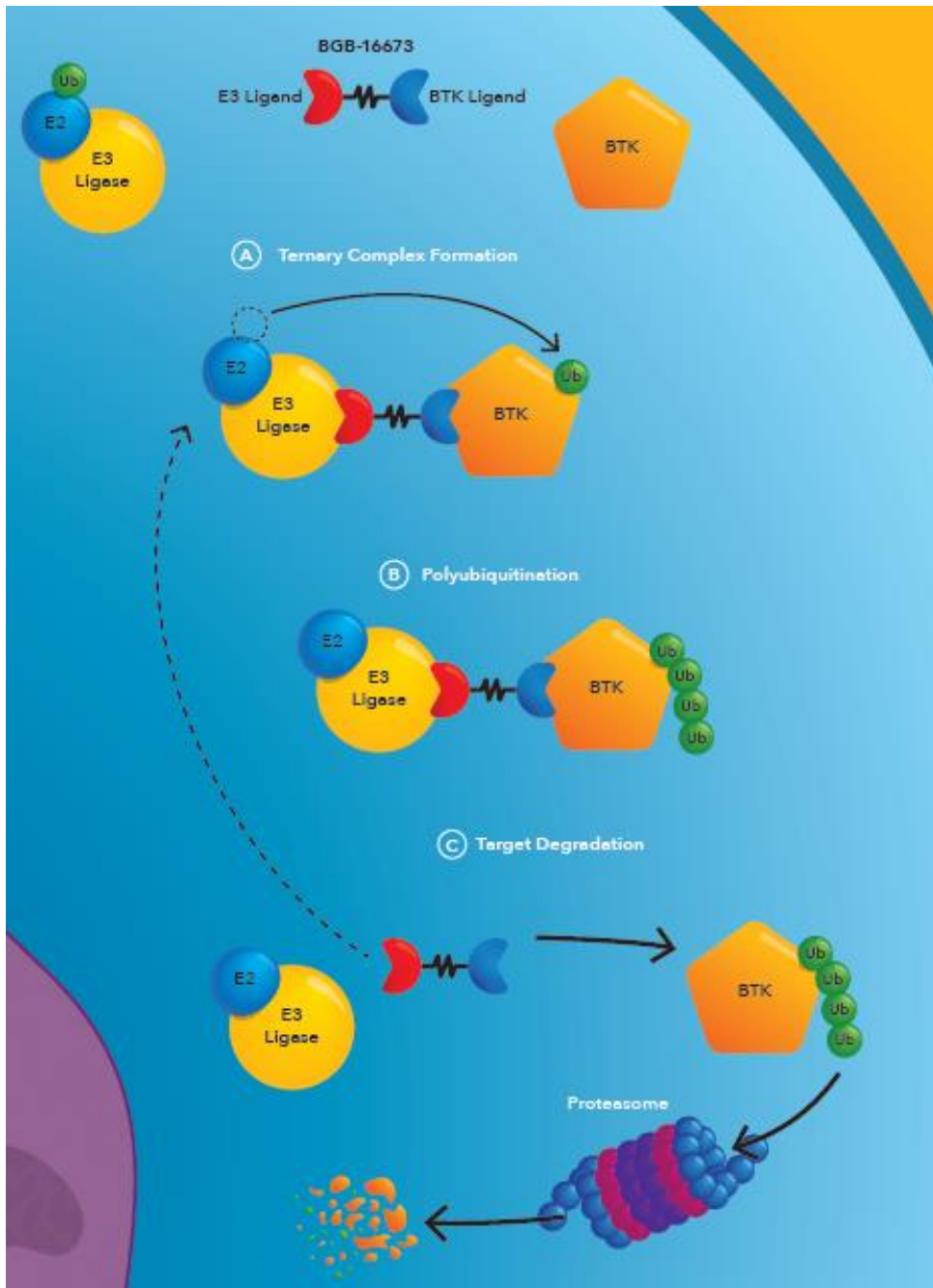
- Bleeding AEs were primarily low-grade with superficial bleeding events
  - 3 patients on pirtobrutinib experienced grade 3 hemorrhage (n=1 each; vaginal hemorrhage, conjunctival hemorrhage, and subdural hematoma)
  - 1 patient treated with IdelaR/BR had grade 5 hemorrhage (hematoma)
- 3 patients (2.6%) experienced atrial fibrillation during pirtobrutinib treatment (2 with previous history of atrial fibrillation associated with cBTKi exposure); 1 patient in the IdelaR/BR group experienced *de novo* atrial fibrillation
- Any-grade hypertension was similar between groups, 8 (6.9%) pirtobrutinib-treated patients and 4 (3.7%) IdelaR/BR treated patients

| TEAE                                   | Pirtobrutinib (n=116) |                  | IdelaR/BR (n=109) |                  |
|----------------------------------------|-----------------------|------------------|-------------------|------------------|
|                                        | Any Grade, n (%)      | Grade 3/4, n (%) | Any Grade, n (%)  | Grade 3/4, n (%) |
| Anemia <sup>a</sup>                    | 24 (20.7)             | 13 (11.2)        | 19 (17.4)         | 8 (7.3)          |
| Atrial fibrillation and atrial flutter | 3 (2.6)               | 2 (1.7)          | 1 (0.9)           | 0 (0)            |
| Bleeding                               | 25 (21.6)             | 4 (3.4)          | 11 (10.1)         | 0 (0)            |
| Bruising <sup>b</sup>                  | 9 (7.8)               | 1 (0.9)          | 3 (2.8)           | 0 (0)            |
| Petechiae and purpura                  | 6 (5.2)               | 1 (0.9)          | 1 (0.9)           | 0 (0)            |
| Hemorrhage <sup>c</sup>                | 18 (15.5)             | 3 (2.6)          | 8 (7.3)           | 0 (0)            |
| Hypertension                           | 8 (6.9)               | 3 (2.6)          | 4 (3.7)           | 1 (0.9)          |
| Infections <sup>d</sup>                | 74 (63.8)             | 25 (21.6)        | 54 (49.5)         | 21 (19.3)        |
| Infection without COVID-19             | 67 (57.8)             | 26 (22.4)        | 47 (43.1)         | 19 (17.4)        |
| Neutropenia <sup>e</sup>               | 31 (26.7)             | 24 (20.7)        | 37 (33.9)         | 30 (27.5)        |
| Thrombocytopenia <sup>f</sup>          | 11 (9.5)              | 9 (7.8)          | 17 (15.6)         | 8 (7.3)          |

<sup>a</sup>Includes anemia and iron deficiency anemia. <sup>b</sup>Includes contusion and ecchymosis. <sup>c</sup>Includes hemorrhage and hematoma. <sup>d</sup>Includes all infection events reported including COVID-19.

<sup>e</sup>Includes neutropenia, neutrophil count decreased, febrile neutropenia, and neutropenic sepsis. <sup>f</sup>Includes thrombocytopenia and platelet count decreased.

BTK degraders



# PROTAC: BGB-16673 BTK degrader

- BGB-16673 is a selective, orally available BTK-targeted protein degrader that engages both wild-type (WT) BTK and its mutant forms carrying resistance-mutations
- BGB-16673 demonstrated binding with BTK and cereblon, the target receptor protein for recruiting the E3 ligase
- BGB-16673 can overcome BTKi resistance mutations including C481S and L528W

# CaDAnCe 101 Safety & Efficacy Update: Ph 1 BGB16673 in RR CLL/SLL

- $\geq 2$  prior therapies
- must have previously received a cBTKi
- N = 67 patients with CLL/SLL
- Median age 70 (range, 47-91 years)
- Median study follow-up was 18.0 months

# Ph 1 BGB16673 in RR CLL/SLL - Cohort

- 65.7% (44/67) del(17p) and/or *TP53* mutation
- 77.6% (38/49) unmutated IGHV
- 38.1% (24/63) with *BTK* mutation
- 15.9% (10/63) with *PLCG2* mutation
- Median of 4 prior lines of therapy (range, 2-10)
  - Prior cBTKis (n=63 [94.0%])
  - Prior BCL2is (n=55 [82.1%])
  - Prior ncBTKi (n=14 [20.9%])

- Seymour et al, ASH, 2025

# Ph 1 BGB16673 in RR CLL/SLL - Efficacy

- ORR 86.4% (n=57)
  - 4.5% (n=3) complete response (CR)/CRi
- Dose 200 mg ORR was 93.8% (15/16), including 1 CR
- Response rates evaluated by prior lines:
  - Prior cBTKi 53/62 [85.5%]
  - Prior ncBTKi 10/14 [71.4%]
  - Double exposed 39/42 [92.9%]
  - Triple exposed 9/12 [75.0%]

- Seymour et al, ASH, 2025

# Ph 1 BGB16673 in RR CLL/SLL - Safety

- Common: fatigue (37.3%), contusion/bruising (31.3%), diarrhea (28.4%), and neutropenia (28.4%)
- Grade  $\geq 3$  TEAEs in  $\geq 5\%$  of patients were neutropenia (23.9%), pneumonia (10.4%), and thrombocytopenia (6.0%)
- Eight patients (11.9%) had a TEAE leading to dose reduction
- TEAEs led to treatment discontinuation in 12 patients (17.9%)
  - incl subdural hemorrhage, and disseminated aspergillosis
- Four patients (6.0%) had TEAEs that led to death (all due to infections, including 1 fungal infection)

- Seymour et al, ASH, 2025

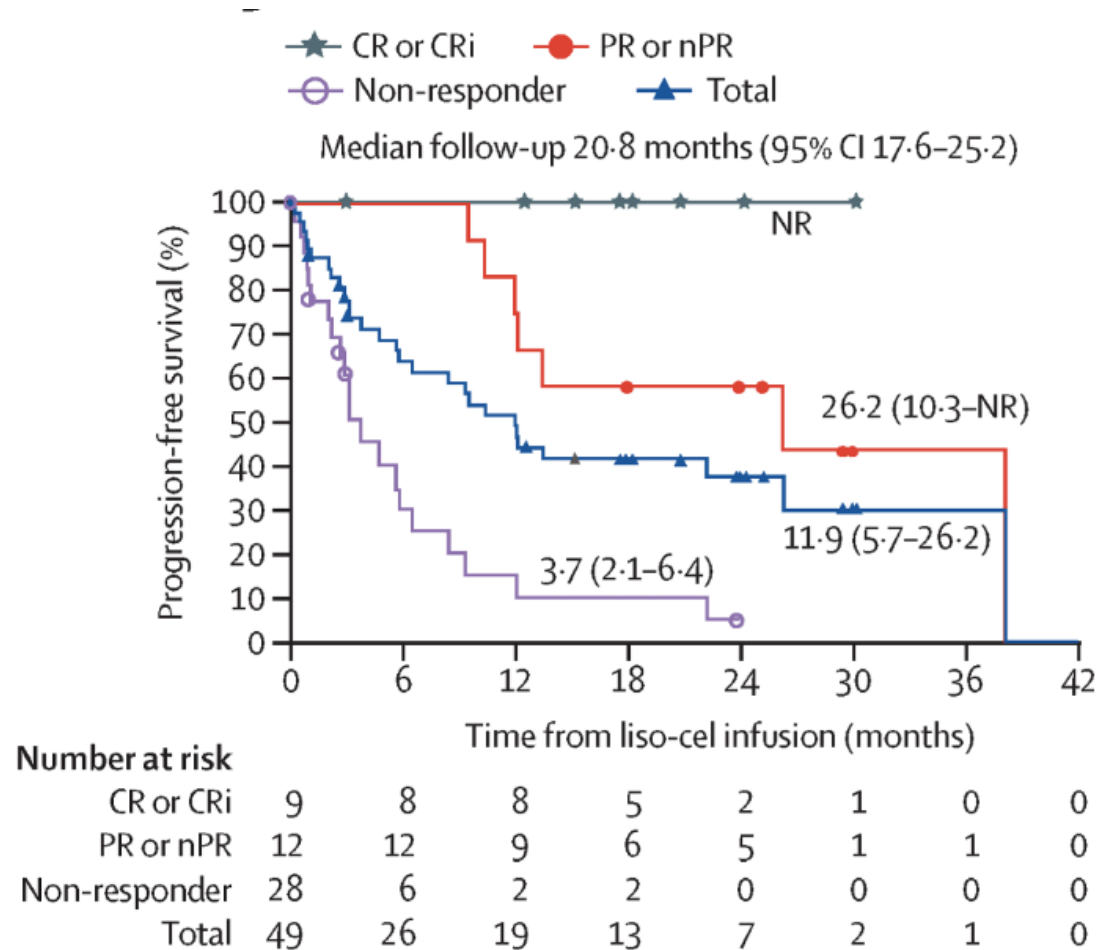
# Ph 1 BGB16673 in RR CLL/SLL - Efficacy

- The 12-month progression-free survival rate was 79.2%
  - 15 patients (22.4%) had PD
    - 2 associated with DLBCL Richter transformation
  - 4 (6.0%) deaths

# CAR-T in CLL

# CD19 CAR-T: Lisocabtagene maraleucel

- TRANSCEND CLL 004 2 year follow up
- Phase 1/2 US study
- N= 118
  - Median 5 prior lines including cBTKi (PD)
  - High risk group
  - N= 70 prior venetoclax failure
- CRR 20% → MRD negativity
- Median PFS 11.9 months overall



# TRANSCEND CLL 004

- Estimated 36-mo DOR rate 61%
  - not reached for those in CR
- Median PFS
  - 26.2 mo in pts with blood uMRD
  - 2.8 mo detectable blood MRD
- Median OS, including 19 pts in the LTFU, was 43.2 mo
- AEs:
  - Grade 3 CRS 9% (no grade 4 or 5 events)
  - Grade 3 neurological events 18% and 1% G4 events
- 51 deaths on study → 43 deaths after liso-cel infusion
  - 5 TEAE deaths including 1 death due to MAS-HLH

# Real-world outcomes of liso-cel in R/R CLL - CIBMTR

- n = 45
- median age 62 y (range, 44–83)
- ECOG PS 0–1 (43/43)
- 57% (21/37) had  $\geq 1$  comorbidity

# Real-world outcomes of liso-cel in R/R CLL - CIBMTR

- Median 6 (range, 1–10) prior therapies
- 71% received liso-cel as fifth-line or later treatment
- 84% were previously exposed to covalent BTKi and BCL2i
- 47% had prior pirtobrutinib
- Bridging therapy was used in 48% (21/44) of pts

# Real-world outcomes of liso-cel in R/R CLL - CIBMTR

- Median follow-up of 6.0 mo
- ORR was 84% (70–93)
  - CR rate was 55% (39–70)
  - 81% (13/16) in CR with available data were MRD –
- Median (95% CI) DOR, PFS, and OS were not reached.
- Among responders (n = 36), 6-mo PFS 77% (60–87) and OS 87% (72–95)

# Real-world outcomes of liso-cel in R/R CLL - CIBMTR

- CRS rate 80%; grade  $\geq 3$ , 4%
- ICANS 36%; gr  $\geq 3$ , 13%
  - No grade 5 events
- Infections in 40% of pts
- @ D +30: 18% had persistent gr 4 thrombocytopenia and/or neutropenia
- 5 deaths, 2 each were due to relapse/progression or infection, and 1 pt had multiple causes reported
- 6-month NRM was 5% (95% CI, 0.8–14) - ASCO 2026 Tomasulo et al

# TRANSCEND CLL 04: Liso-Cel + Ibrutinib

- Liso-cel with concurrent ibrutinib from enrollment through 90 days after liso-cel infusion or longer per investigator discretion
- N= 56
- Median age 64.5 years (range 44–77)
- Median (range) number of prior therapies was 5 (1–13)
- 98% had high-risk cytogenetics, 55% had progression on cBTKi and venetoclax failure

# TRANSCEND CLL 04: Liso-Cel + Ibrutinib

- Median follow-up 24.8 months
- At DL2
  - CR/CRi rate was 45% (95% CI, 31–60)
  - ORR was 86% (95% CI, 74–94)
  - Median (95% CI) duration of response
    - NR (28.7–NR) for patients with CR/CRi
    - 41.4 months (23.3–NR) for all responders
  - Median progression-free survival was 31.4 months (95% CI, 20.1–NR)

# TRANSCEND CLL 04: Liso-Cel + Ibrutinib

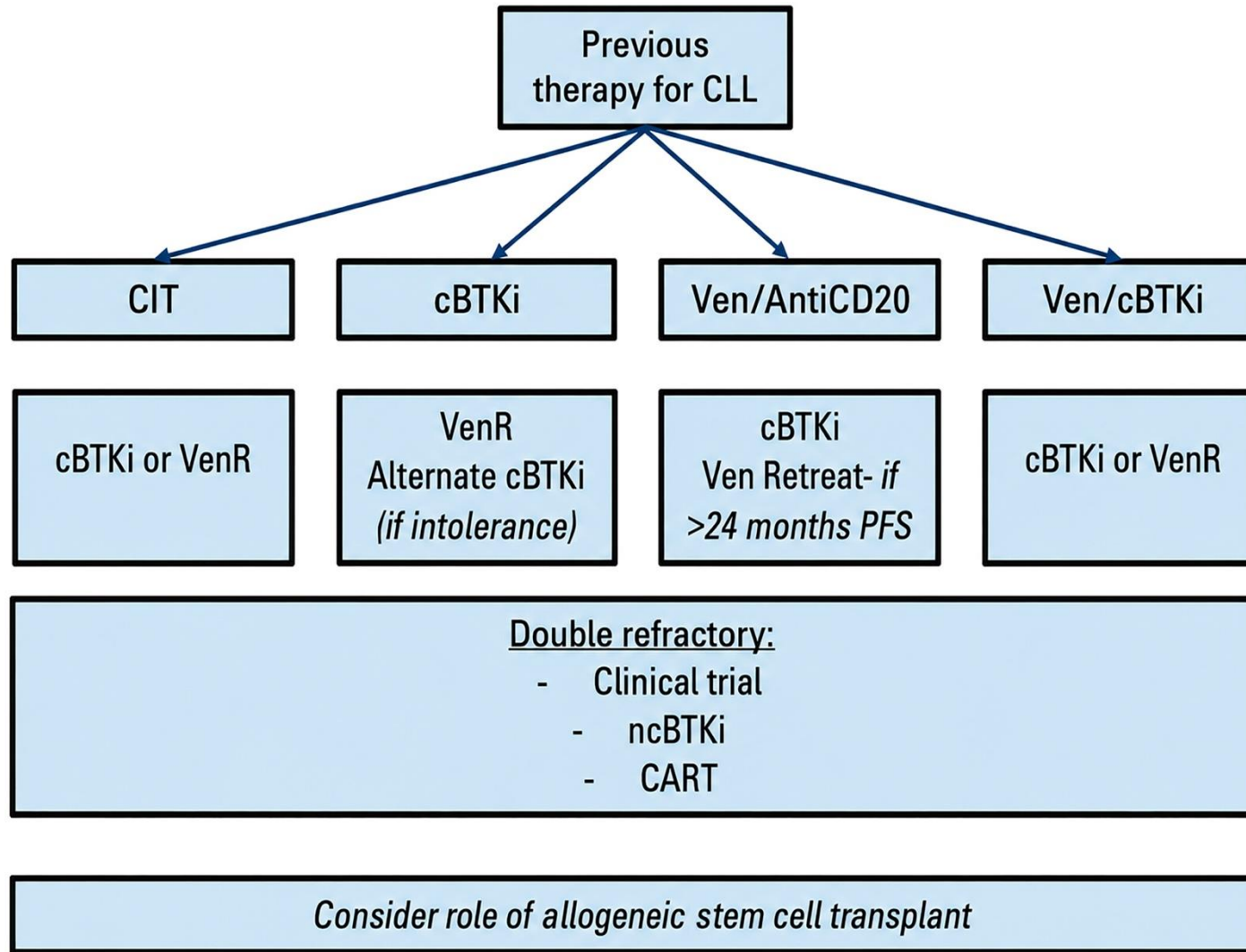
- Most common grade  $\geq 3$  TEAE:
  - neutropenia (52%)
  - anemia (41%)
- CRS in 80% (grade 3, 4%; no grade 4/5)
- Neurological events in 41% (grade 3/4, 11%; no grade 5)
- Ibrutinib-related TEAEs were reported in 68% of patients (grade 3/4, 43%; no grade 5)

# Bispecific Antibodies

# Epcoritamab

- Ph 1b/2 EPCORE CLL-1
  - Monotherapy and combined with venetoclax
- Monotherapy cohort
  - N = 40
  - Median 4 prior lines
  - All cBTKi exposed and 85% double exposed
- ORR 61% & CRR 39%
- Double exposed: ORR 53% and CRR 37%
- uMRD 75% in responders
- Overall mPFS 12.8 months
- Aes:
  - No CRS > 3
  - No ICANS

# Australasian CLL consensus statement: 2026 update



# An approach to double refractory patients ... but not in Australia

