

# FRONTLINE BRENTUXIMAB VEDOTIN AS MONOTHERAPY OR IN COMBINATION FOR OLDER HODGKIN LYMPHOMA PATIENTS

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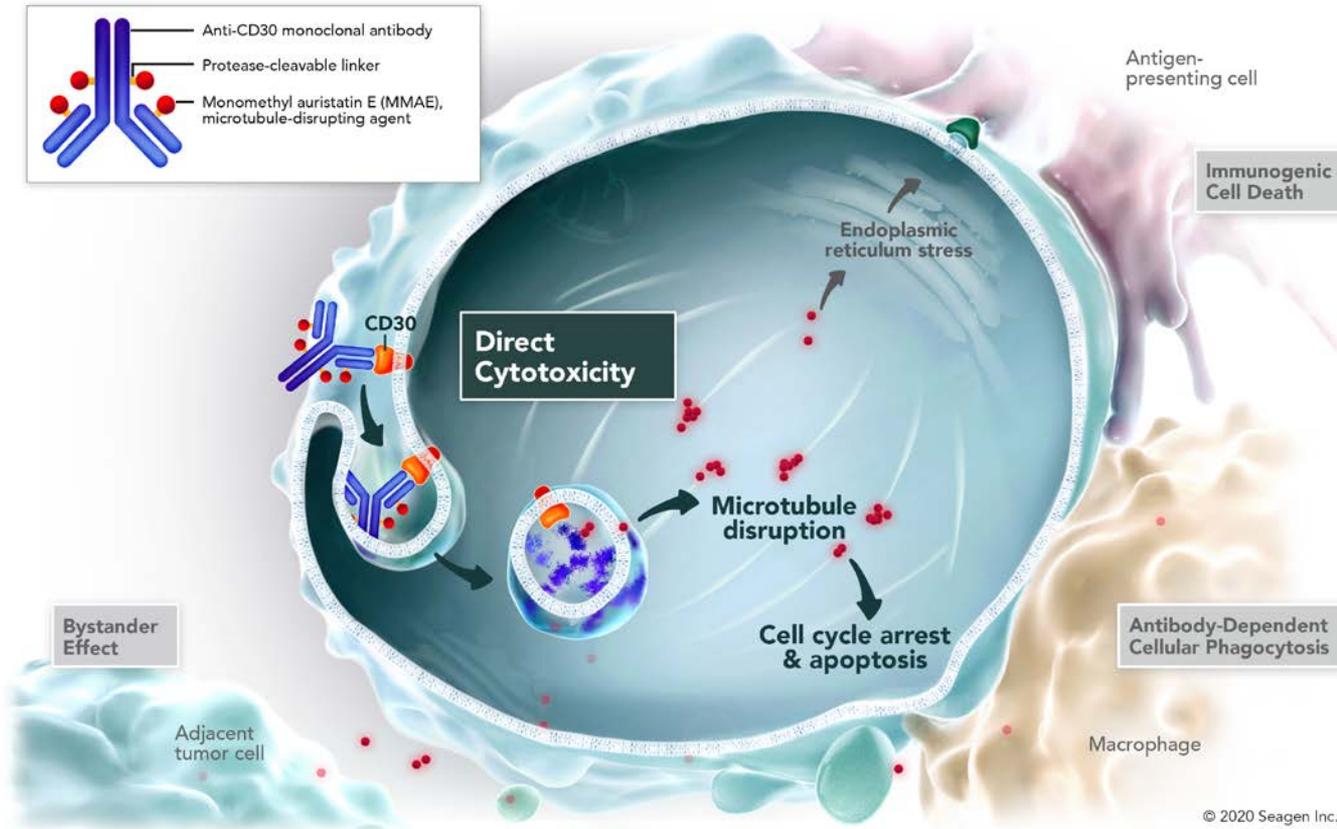
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# Background and Rationale – Unmet Need in Elderly Hodgkin Lymphoma (HL) Population

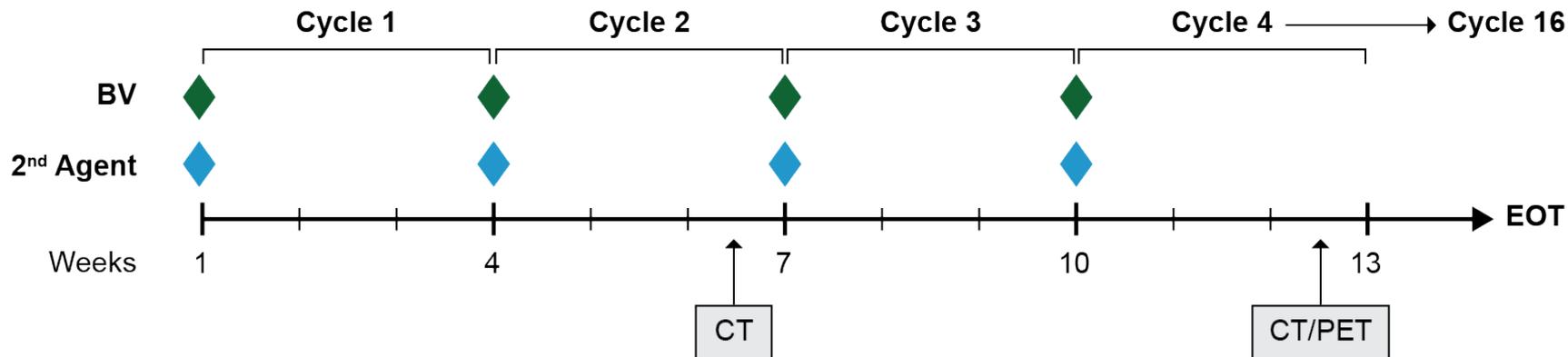
- ~20% of patients with HL are  $\geq 60$  years of age<sup>1</sup>
- Older HL patients have markedly inferior outcomes versus younger patients<sup>2</sup>
  - Intrinsic differences in disease/biology
  - Increased rates of advanced disease at presentation
  - Increased comorbidities at baseline
  - Increased treatment-related morbidity and mortality
- Brentuximab vedotin (BV)
  - High single-agent response rates in heavily pretreated patient with relapsed/refractory HL
  - BV combined with other single-agents, such as nivolumab, is active (93% objective response rate [ORR], 80% complete response [CR]) and well-tolerated in relapsed/refractory classical Hodgkin Lymphoma (cHL)<sup>3</sup>
  - Sequential BV-AVD with BV consolidation demonstrated an ORR of 95% (CR 93%) in a study of older adults<sup>4</sup>
- Potential option for elderly and medically fragile patients

# Brentuximab Vedotin Proposed Mechanism of Action



# SGN35-015 Study Design: Phase 2, Frontline Therapy in Older cHL Patients

- Eligible patients:  $\geq 60$  years of age with cHL, treatment naïve, considered unsuitable or unfit for conventional chemotherapy; fluorodeoxyglucose (FDG)-positron emission tomography (PET)-avid and measurable disease by computed tomography (CT)



- Part A: BV monotherapy (mono; 1.8 mg/kg)
- Part B: BV (1.8 mg/kg) + dacarbazine (DTIC; 375 mg/m<sup>2</sup>)
- Part C: BV (1.8 mg/kg) + bendamustine (benda; 70 mg/m<sup>2</sup>); *Closed early due to multiple acute toxicities*
- Part D: BV (1.8 mg/kg) + nivolumab (nivo; 3 mg/kg), Part D; *1 patient remaining on treatment*

## Study Definitions

- Full Analysis Set: All subjects who received BV at an intended starting dose of 1.8 mg/kg dose
- Efficacy Evaluable Set: All subjects in the full analysis set with at least one post-baseline disease assessment
- Data Set: All results as of the 21 October 2020 data cutoff

# Key Demographics and Disease Characteristics

Full analysis set	Part A BV mono N=26	Part B BV+DTIC N=20	Part C BV+benda N=20	Part D BV+nivo N=21	Total N=87
Age in years, median (range)	78 (64-92)	69 (62-88)	75 (63-86)	72 (60-88)	74 (60-92)
Male, n (%)	14 (54)	14 (70)	10 (50)	15 (71)	53 (61)
ECOG ≤1, n (%)	20 (77)	14 (70)	16 (80)	20 (95)	70 (80)
Main histologic subtype of HL, n (%)					
Nodular sclerosis	12 (46)	7 (35)	10 (50)	7 (33)	36 (41)
Mixed cellularity	4 (15)	9 (45)	4 (20)	2 (10)	19 (22)
cHL not otherwise specified	4 (15)	3 (15)	4 (20)	8 (38)	19 (22)
Disease stage III-IV, n (%)	16 (62)	14 (70)	15 (75)	16 (77)	61 (70)
Extra-nodal involvement, n (%)	13 (50)	7 (35)	8 (40)	8 (38)	36 (41)
B symptoms, n (%)	9 (35)	7 (35)	10 (50)	9 (43)	35 (40)
Patients reporting “limited a lot” with ≥1 tasks, n(%)	17 (65)	14 (70)	14 (70)	9 (43)	54 (62)

# Duration of Treatment with BV – Full Analysis Set

<b>Full analysis set</b>	<b>Part A BV mono N=26</b>	<b>Part B BV+DTIC<sup>b</sup> N=20</b>	<b>Part C BV+benda<sup>b</sup> N=20</b>	<b>Part D BV+nivo<sup>b</sup> N=21</b>
Duration of treatment in weeks; Median (min, max)	25.6 (11, 85)	33.9 (6, 82)	15.4 (2, 60)	34.9 (2, 56)
BV treatment cycles <sup>a</sup> per patient; Median (min, max)	8.0 (3, 23)	10.5 (2, 27)	5.0 (1, 16)	10.0 (1, 16)

a Treatment cycle = 21 days

b After stopping BV, the other component of therapy could be continued.

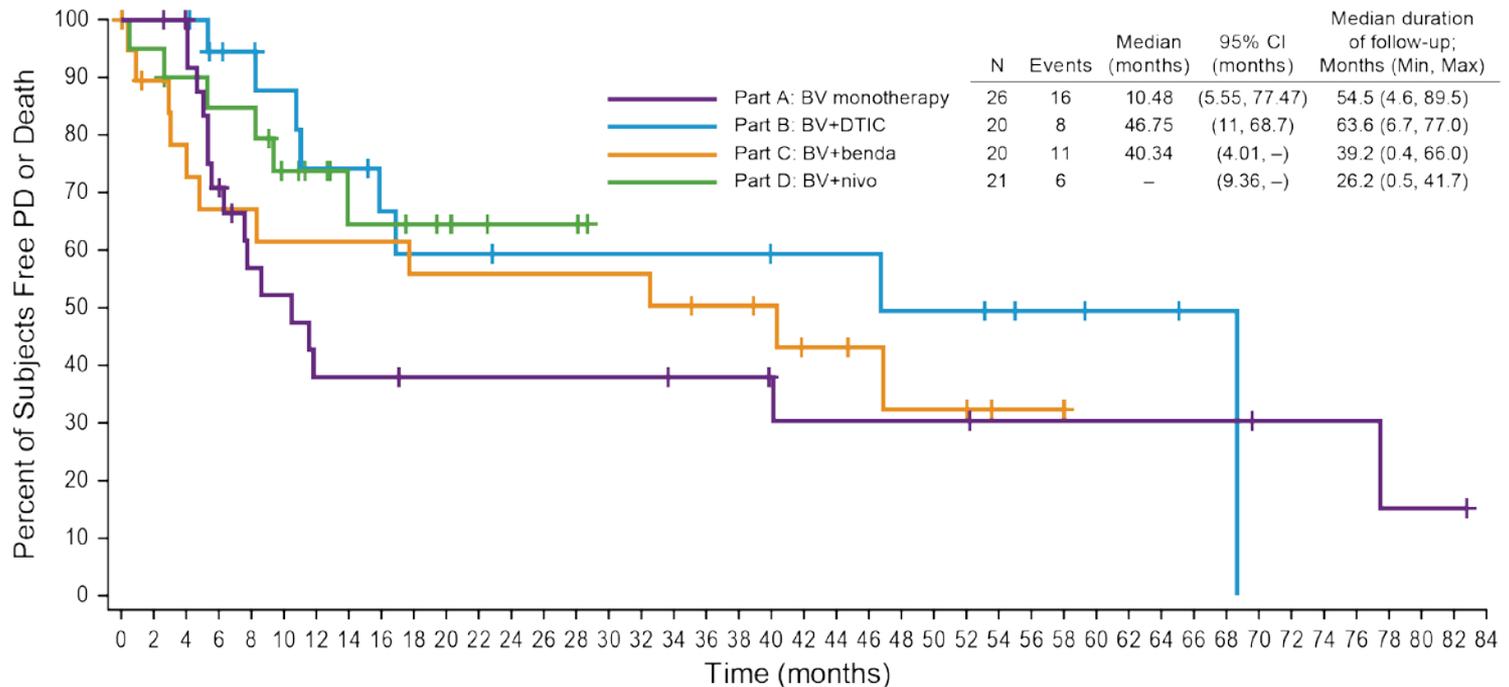
## Best Responses per Investigator – Efficacy Evaluable Set

Efficacy Evaluable Set	Part A BV mono N=25	Part B BV+DTIC N=19	Part C BV+benda N=17	Part D BV+nivo N=19
<b>ORR, n (%)</b>	<b>23 (92)</b>	<b>19 (100)</b>	<b>17 (100)</b>	<b>18 (95)</b>
Best overall response				
Complete response	18 (72)	13 (68)	15 (88)	15 (79)
Partial response	5 (20)	6 (32)	2 (12)	3 (16)
Stable disease	2 (8)	0	0	1 (5)
Progressive disease	0	0	0	0
<b>Duration of response, n</b>	<b>23</b>	<b>19</b>	<b>17</b>	<b>18</b>
Median (min, max)	9.1 (2.8, 81.4+)	45.4 (0.0+, 67.3)	39.0 (0.0+, 56.8+)	NR (1.4+, 27.5+)

Patients who were not efficacy-evaluable included:

- Patients with no post-baseline response assessment due to deaths (n=3) and patient withdrawal (non-AE related, n=2) on or before the first scheduled post-baseline scan at Cycle 2
- One patient lost to follow-up
- One patient who was not an eligible cHL subtype (nodular lymphocyte-predominant HL) but still achieved partial response after receiving BV

# Progression-Free Survival (PFS) – Full Analysis Set



N at Risk (Events)

Part A	26(0)	25(0)	17(7)	11(11)	8(14)	8(14)	7(14)	7(14)	7(14)	7(14)	7(14)	6(14)	6(14)	4(15)	4(15)	4(15)	4(15)	3(15)	3(15)	3(15)	3(15)	3(15)	3(15)	2(15)	2(15)	1(16)	1(16)	0(16)
Part B	20(0)	19(0)	16(1)	13(2)	11(4)	11(4)	8(6)	8(6)	7(6)	7(6)	7(6)	7(6)	7(6)	6(6)	6(6)	5(7)	5(7)	4(7)	3(7)	2(7)	2(7)	1(7)	0(8)					
Part C	20(0)	15(3)	12(6)	11(7)	11(7)	11(7)	10(8)	10(8)	10(8)	10(8)	10(8)	9(9)	8(9)	7(9)	5(10)	4(10)	3(11)	3(11)	1(11)	1(11)	0(11)							
Part D	21(0)	17(2)	16(3)	15(4)	10(5)	7(6)	6(6)	3(6)	2(6)	2(6)	0(6)																	



# Treatment-Related Treatment-Emergent Adverse Events (TEAEs) – Full Analysis Set

	Part A BV mono N=26 n (%)	Part B BV+DTIC N=20 n (%)	Part C BV+benda N=20 n (%)	Part D BV+nivo N=21 n (%)
<b>Full analysis set</b>				
Any Event	24 (92)	20 (100)	19 (95)	19 (90)
Peripheral sensory neuropathy	20 (77)	14 (70)	8 (40)	10 (48)
Fatigue	9 (35)	7 (35)	7 (35)	11 (52)
Nausea	8 (31)	7 (35)	10 (50)	3 (14)
Diarrhea	4 (15)	5 (25)	9 (45)	5 (24)
Decreased appetite	5 (19)	5 (25)	8 (40)	1 (5)

- Treatment discontinuation due to treatment-related TEAEs occurred in 42%, 40%, 60%, and 38% of patients, respectively
- Peripheral neuropathy was the most common treatment-related TEAE leading to treatment discontinuation in all parts (38%, 35%, 30%, and 29%, respectively)

## Grade ≥3 Treatment-Related TEAEs – Full Analysis Set

<b>Grade ≥3 treatment-related TEAEs occurring in &gt;5% of all patients (Full analysis set)</b>	<b>Part A BV mono N=26 n (%)</b>	<b>Part B BV+DTIC N=20 n (%)</b>	<b>Part C BV+benda N=20 n (%)</b>	<b>Part D BV+nivo N=21 n (%)</b>
Any Event	13 (50)	8 (40)	16 (80)	13 (62)
Peripheral sensory neuropathy	7 (27)	5 (25)	3 (15)	4 (19)
Neutropenia	1 (4)	2 (10)	2 (10)	1 (5)
Peripheral motor neuropathy	2 (8)	0	1 (5)	3 (14)
Lipase increased	0	0	0	5 (24)
Fatigue	0	0	2 (10)	2 (10)
Rash	3 (12)	0	1 (5)	0

## Treatment-related Serious TEAEs – Full Analysis Set

<b>Treatment-related SAEs in ≥2 patients</b>	<b>Part A BV mono N=26 n (%)</b>	<b>Part B BV+DTIC N=20 n (%)</b>	<b>Part C BV+benda N=20 n (%)</b>	<b>Part D BV+nivo N=21 n (%)</b>
Any Event	3 (12)	3 (15)	9 (45)	1 (5)
Pyrexia	1 (4)	0	1 (5)	1 (5)
Asthenia	1 (4)	0	1 (5)	0
Febrile neutropenia	0	0	2 (10)	0
Hypotension	0	1 (5)	1 (5)	0

Treatment options for older adults with cHL that may not be considered for conventional combination therapy:

- **BV monotherapy**

- Active regimen in elderly population
  - Median 78 years of age
  - Median follow up of 54.5 months
  - ORR 92% (95% CI: 74%, 99%)
  - Median OS >6 years
- Notable activity and tolerability in cHL patients unable to tolerate a multi-agent regimen

- **BV combination treatments**

- BV+nivo and BV+DTIC
  - Promising activity (ORR 95%-100%)
  - Favorable safety profile in older adults with previously untreated cHL
- BV+benda associated with multiple acute toxicities
- Additional long-term follow-up is ongoing

## Conclusions and Future Directions

- For older patients with cHL and multiple comorbidities, treatment with BV as monotherapy or combined with nivolumab or DTIC resulted in:
  - Improved tolerability for patients unfit for combination chemotherapy
  - High response rates, often durable
- Findings reflect a need for further studies dedicated to the elderly population, along with geriatric assessments

# Acknowledgements

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