

# FRONTLINE BRENTUXIMAB VEDOTIN AND CHP (A+CHP) IN SUBJECTS WITH PERIPHERAL T-CELL LYMPHOMA WITH LESS THAN 10% CD30 EXPRESSION

(TRIAL IN PROGRESS)  
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# Brentuximab Vedotin Description and MOA

- Brentuximab vedotin (BV, ADCETRIS<sup>®</sup>) is an antibody-drug conjugate composed of an anti-CD30 monoclonal antibody conjugated by a protease-cleavable linker to the microtubule-disrupting agent, monomethyl auristatin E (MMAE)
- Targeted delivery of MMAE to CD30-expressing cells is the primary mechanism of action of BV<sup>1</sup>
- Binding of MMAE to tubulin disrupts the microtubule network within the cell, subsequently inducing cell cycle arrest and apoptotic death of the cell
- Direct cytotoxicity associated with BV may be augmented by secondary effects, including the bystander effect<sup>2</sup> and several important immuno-oncology related effects, such as immunogenic cell death<sup>3,4</sup> and antibody-dependent cellular phagocytosis<sup>5</sup>

1) Sutherland MS et al. J Biol Chem. 2006;281(15):10540-7. 2) Li et al. Cancer Res. 2016;76(9):2710-9. 3) Gardai SJ et al. Haematologica. 2016;101(S5):53. 4) Muller P et al. Cancer Immunol Res. 2014;2(8):741-55. 5) Ofazoglu E et al. Blood. 2007;110(13):4370-2.

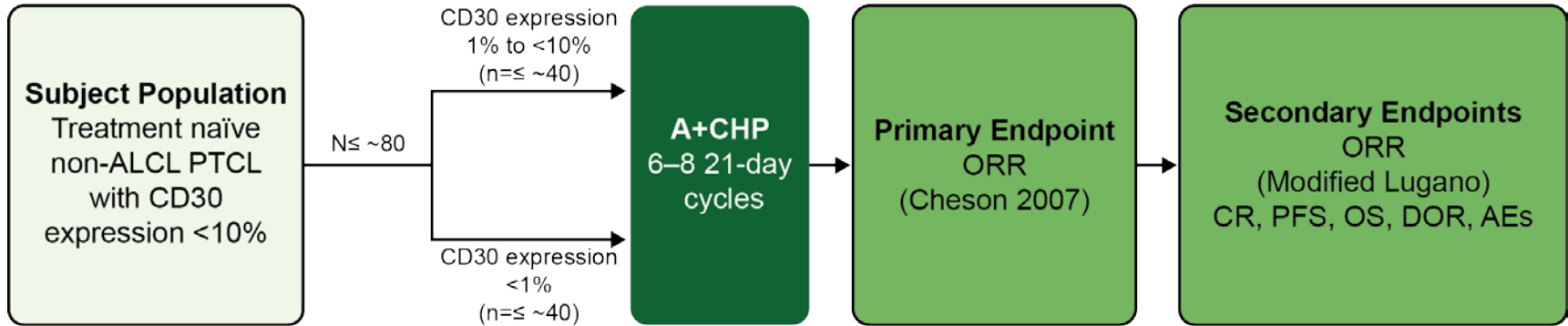
# Background and Rationale

- ECHELON-2 phase 3 clinical trial:
  - BV, cyclophosphamide, doxorubicin, and prednisone (A+CHP) showed clinically meaningful and statistically significant efficacy in subjects with peripheral T-cell lymphoma (PTCL) across a range of CD30 expression levels, including the lowest eligible level of 10% by IHC when compared with subjects treated with CHOP (cyclophosphamide, doxorubicin, vincristine, and prednisone) alone.<sup>6</sup>
  - No significant increase in toxicity was observed.<sup>6</sup>
  - Trial led to FDA approval of A+CHP in subjects with previously untreated, CD30-expressing PTCL.

# Background and Rationale

- Response data from other trials are available from 344 subjects
  - Subjects had CD30-expressing PTCL and other large-cell lymphomas (including angioimmunoblastic T-cell lymphoma and peripheral T-cell lymphoma-NOS) and had been treated in studies with BV as a single agent or in combination with chemotherapy, in both frontline and relapsed/refractory settings.<sup>7</sup>
  - 184 subjects had tumors with CD30 expression <10% by local assessment
    - Including 83/184 subjects with undetectable CD30 by immunohistochemistry (CD30=0).
  - Responses to BV observed at all levels of CD30 expression, including in tumors with undetectable CD30 levels.<sup>6,7</sup>

# Study Design



## Assessments

- Efficacy assessments by blinded independent central review (BICR) using Revised Response Criteria for Malignant Lymphoma and modified Lugano criteria
- Safety assessments include surveillance and recording of AEs and concomitant medications, physical examination findings, and laboratory tests

# Study Objectives

| Primary Objectives                                                                                                                                                                                                                                                                                                                                                                                                                                  | Primary Endpoints                                                                                                                                                                                                                                                                                                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>To evaluate the objective response rate (ORR) per BICR using Revised Response Criteria for Malignant Lymphoma criteria<sup>8</sup></li></ul>                                                                                                                                                                                                                                                                  | <ul style="list-style-type: none"><li>ORR per BICR following the completion of study treatment using Revised Response Criteria for Malignant Lymphoma criteria<sup>78</sup></li></ul>                                                                                                                                                   |
| Secondary Objectives                                                                                                                                                                                                                                                                                                                                                                                                                                | Secondary Endpoints                                                                                                                                                                                                                                                                                                                     |
| <ul style="list-style-type: none"><li>To evaluate the complete response (CR) rate following completion of study treatment<sup>8</sup></li><li>To evaluate the progression-free survival PFS<sup>8</sup></li><li>To evaluate overall survival (OS)</li><li>To evaluate duration of response (DOR)<sup>8</sup></li><li>To evaluate ORR per BICR, using modified Lugano criteria<sup>9</sup></li><li>To evaluate the safety and tolerability</li></ul> | <ul style="list-style-type: none"><li>CR rate per BICR<sup>8</sup></li><li>PFS per BICR<sup>8</sup></li><li>OS</li><li>DOR per BICR</li><li>ORR per BICR, using modified Lugano criteria<sup>9</sup></li><li>Type, incidence, severity, seriousness, and relatedness of adverse events (AEs)</li><li>Laboratory abnormalities</li></ul> |

8) Cheson BD et al. J Clin Oncol. 2007;25(5):579-86. 9) Cheson BD et al. J Clin Oncol. 2014;32(27):3059-68.

# Eligibility

## Key Inclusion Criteria

- Adults with newly diagnosed PTCL, excluding systemic anaplastic large cell lymphoma (sALCL), per the WHO 2016 classification
- CD30 expression <10% by local assessment
- PTCL histology
  - PTCL – not otherwise specified (PTCL-NOS)
  - Angioimmunoblastic T-cell lymphoma (AITL)
  - Adult T-cell leukemia/lymphoma (ATLL; acute and lymphoma types only, must be positive for human T cell leukemia virus 1)
  - Enteropathy-associated T-cell lymphoma (EATL)
  - Hepatosplenic T-cell lymphoma
  - Monomorphic epitheliotropic intestinal T-cell lymphoma (MEITCL)
  - Indolent T-cell lymphoproliferative disorder (T-LPD) of the gastrointestinal (GI) tract
  - Follicular T-cell lymphoma
  - Nodal peripheral T-cell lymphoma with T-follicular helper (TFH) phenotype
- Fluorodeoxyglucose (FDG)-avid disease by PET and measurable disease of at least 1.5 cm by CT, as assessed by the site radiologist.

# Study Highlights

- International, open-label, multicenter, phase 2 clinical trial designed to evaluate the efficacy and safety of A+CHP in subjects with non-sALCL PTCL and CD30 expression <10% on tumor cells
- Up to approximately 80 subjects will be enrolled in this study.
  - Approximately 40 subjects with positive CD30 expression ( $\geq 1\%$  to <10%) and up to approximately 40 subjects with negative CD30 expression (<1%) by local assessment (central confirmation) will be enrolled.
- Efficacy assessments by BICR using Revised Response Criteria for Malignant Lymphoma and modified Lugano criteria
- Safety assessments include surveillance and recording of AEs and concomitant medications, physical examination findings, and laboratory tests
- Approximately 50 sites in United States and Europe
  - United States, United Kingdom, Italy, Spain, France, and Czech Republic
- Enrollment for this global trial is ongoing



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- This study is funded by Seagen Inc.
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# Disclosures

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