Information Meeting on Polivy



Agenda

Moderator: Toshiya Sasai, Head of Corporate Communcations Dept., Chugai Pharmaceutical Co., Ltd.

1. Product Overview of Polivy

Dr. Takaki Koga, Polivy Lifecycle Leader, Chugai Pharmaceutical Co., Ltd.

2. Treatment Options for Relapsed/Refractory Diffuse Large B-cell Lymphoma (DLBCL)

Koji Izutsu, M.D., Ph.D., Department of Hematology, National Cancer Center Hospital

3. Q&A Session



Product Overview

Polivy[®] Intravenous Infusion 30 mg/140 mg

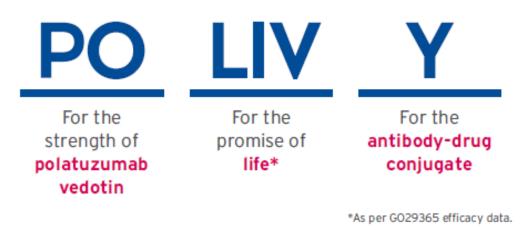
June 3, 2021 Dr. Takaki Koga Polivy Lifecycle Leader Chugai Pharmaceutical Co., Ltd.

Product Outline

[Brand name] Polivy[®] Intravenous Infusion 30 mg Polivy[®] Intravenous Infusion 140 mg

[Generic name] polatuzumab vedotin (genetical recombination)

[Indications] Relapsed or refractory diffuse large B-cell lymphoma (R/R DLBCL)







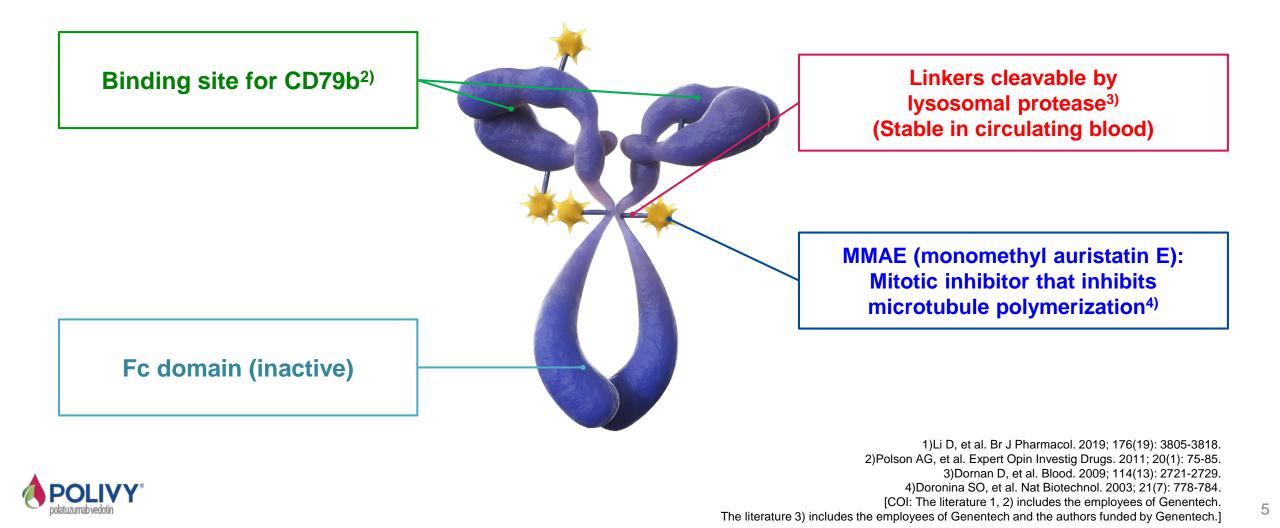
- Mar. 2011 Global phase I study started by Roche
- Jul. 2014 Phase I study started in Japan
- Oct. 2014 Global phase lb/II study started in patients with R/R FL and DLBCL (GO29365)
- Jun. 2017 PRIME designation (Europe)
- Sep. 2017 Breakthrough Therapy designation (US)
- Oct. 2018 Phase II study (P-DRIVE) started in patients with R/R DLBCL in Japan
- Jun. 2019 Accelerated approval in the US
- Nov. 2019 Orphan drug designation in Japan
- Jan. 2020 Approved in Europe
- Jun. 2020 Application for approval in Japan (R/R DLBCL)
- Mar. 2021 Approved in Japan (33rd in the world)

FL: Follicular lymphoma DLBCL: Diffuse large B-cell lymphoma PRIME: Priority Medicines

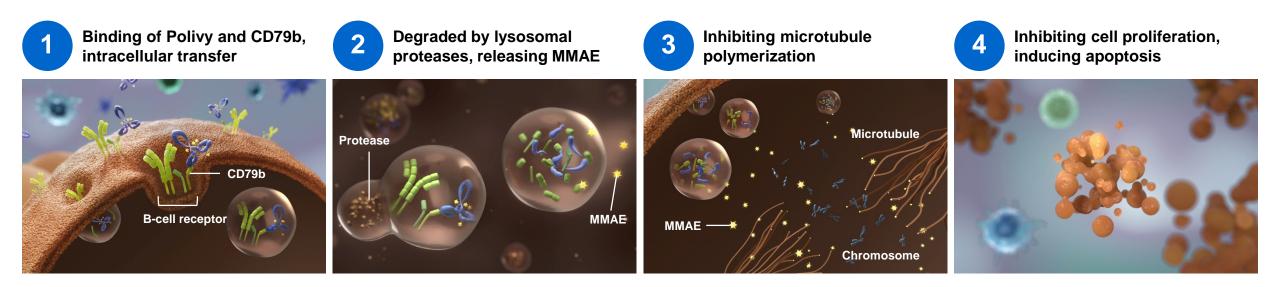


Structure of Polivy (conceptual image)

Polivy is an antibody-drug conjugate (ADC) targeting CD79b¹⁾.



Mode of Action (conceptual image)



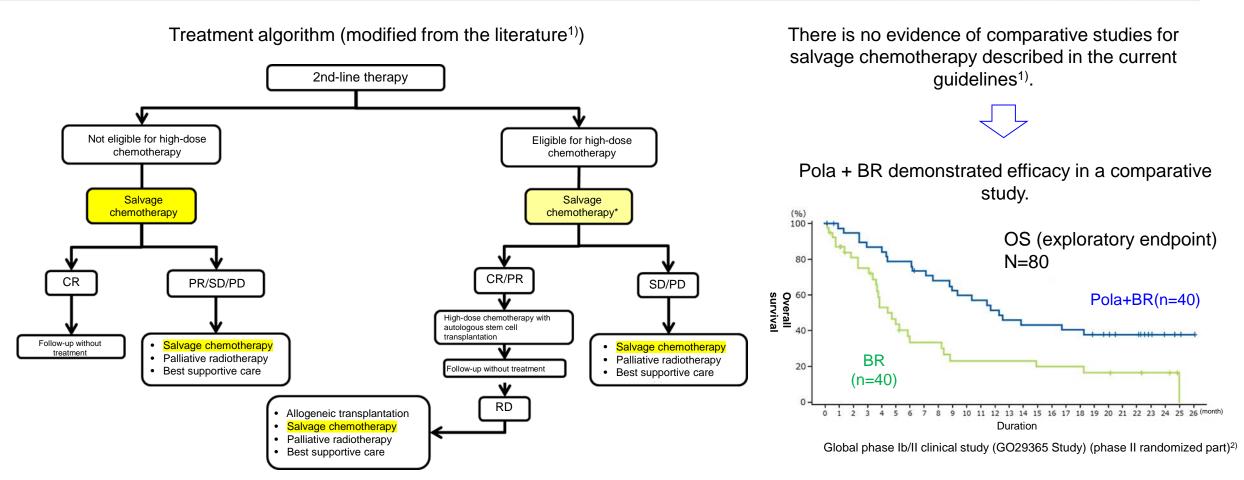
- Polatuzumab vedotin binds to CD79b expressed on the cell membrane of tumor cells and is taken up by cells¹⁻³).
- The linker is cleaved by proteases, and MMAE is released into cells⁴).
- Released MMAE is considered to inhibit tumor growth by binding to microtubules, inhibiting cell division, and inducing apoptosis⁵⁻⁷⁾.

MMAE: Monomethyl auristatin E

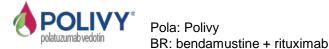
POLIVY

Pfeifer M, et al. Leukemia. 2015; 29(7): 1578-1586.
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 Polson AG, et al. Cancer Res. 2009; 69(6): 2358-2364.
 Sutherland MSK, et al. J Biol Chem. 2006; 281(15): 10540-10547.
 Bai R, et al. J Biol Chem. 1990; 265(28): 17141-17149.
 Doronina SO, et al. Nat Biotechnol. 2003; 21(7): 778-784.
 Francisco JA, et al. Blood. 2003; 102(4): 1458-1465.
 [COI: The literature 3) includes the employees of Genentech.
 The literature 1, 2) includes the employees of Genentech and the authors funded by Genentech.]

Contribution to Treatment of Patients with R/R DLBCL



Pola+BR is expected to be a treatment option that may improve survival, compared to existing chemotherapy, in R/R DLBCL for which no standard therapy is available other than stem cell transplantation



1) Practical Guidelines for Hematological Malignancies, Revised version in 2018 2) Pola + BR vs BR, 40 patients per arm, randomized controlled study, 6 cycles of each regimen every 3 weeks in patients for whom high-dose chemotherapy is not indicated: Sehn LH, et al. Polatuzumab vedotin in relapsed or refractory diffuse large B-cell lymphoma. Journal of Clinical Oncology 2020; 38:155-165

*: Efficacy and safety have not been established because there is no evidence in patients for whom high-dose chemotherapy.

Characteristics of Polivy

Brand name	Polivy intravenous infusion 30 mg	Polivy intravenous infusion 140 mg
Dosage form	Injection (vial)	
Description	White to off-white mass	
pH ^{Note1)}	5.0 to 5.6	
Osmotic pressure ratioNote 1), Note 2)	Approximately 0.5	

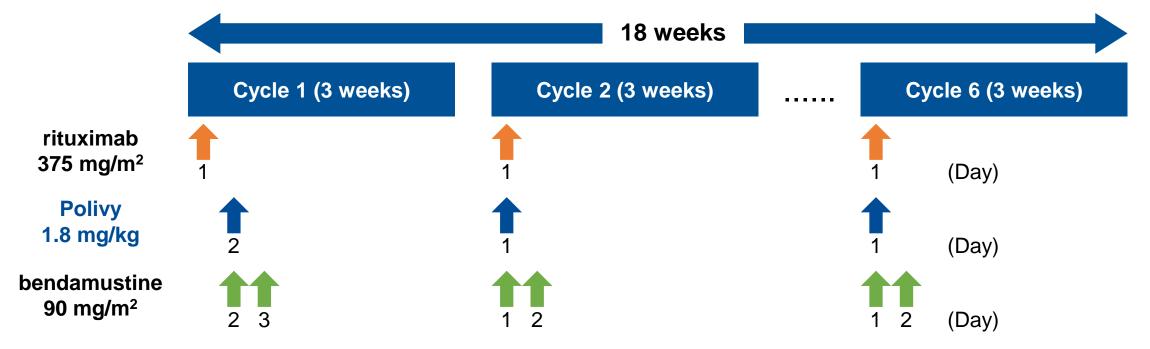
Note 1) Upon reconstitution with water for injection (for IV Infusion 30 mg: 1.8 mL; 140 mg: 7.2 mL) Note 2) Ratio to physiological saline





Dosage and Administration

The recommended adult dosage is 1.8 mg/kg (body weight) of polatuzumab vedotin (genetical recombination) administered by intravenous drip infusion once every 3 weeks for 6 doses in combination with bendamustine hydrochloride and rituximab (genetical recombination). The first infusion should be administered over 90 minutes, and if well tolerated, the duration of subsequent infusions may be shortened up to 30 minutes. The dose should be appropriately reduced according to the patient's condition.





Conditions for Approval

- 1. A risk management plan should be formulated and implemented appropriately.
- 2. Given the very limited sample sizes in clinical trials in Japan, a postmarketing all-patient drug use surveillance required until data on a certain number of patients has been collected to determine the background information of the patients using the product and to, in the near term, collect data on the safety and efficacy of the product, implementing necessary measures to ensure the appropriate use of the product.



Overview of Risk Management Plan (RMP) for Polivy

Bone marrow depression (neutropenia, thrombocytopenia, anemia) Peripheral neuropathy Infection Infusion reaction			[Important potential risks] Progressive multifocal leukoencephalopathy (PML) Tumor lysis syndrome Reproductive toxicity Hepatic function disorder	
[Important miss None	ing informatio	n] Pharmacovigilance Plan	Risk minimization Plan	
	Usual	 Collecting and evaluating individual cases Research report: Collecting and evaluating literature Report on measures taken overseas: Collecting and evaluating information on measures taken overseas Signal detection and evaluation by the data mining method, etc. for adverse events (including death) 	 Preparing (revising) package insert Drug guide for patients 	
	Addition	 Collecting information by Early Post-marketing Phase Vigilance General Drug Use-Results Survey (all-case surveillance) Post-marketing clinical study continued from phase II clinical study 	 Providing information by Early Post-marketing Phase Vigilance Providing information to healthcare professionals (guide for proper use) Providing information to patients (patient handbook) Explanation in advance / providing information via website (Early Post-marketing Phase Vigilance FB, number of adverse reactions, number of serious adverse reactions, etc.) 	

Treatment Options for Relapsed/Refractory DLBCL

Koji Izutsu, M.D., Ph.D.

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COI disclosure

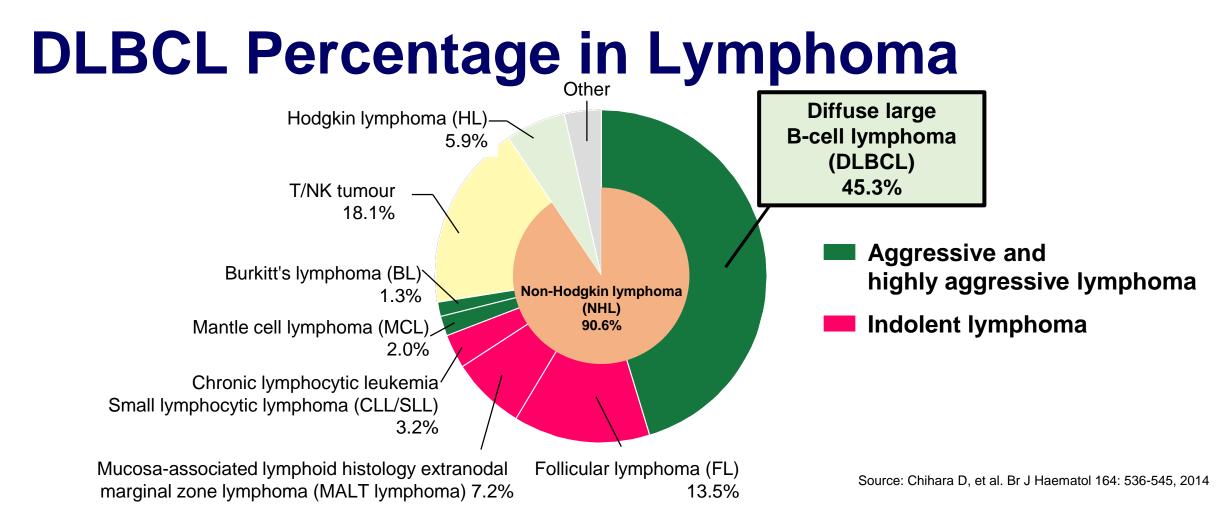
Presenter: Koji Izutsu

■ The companies that the presenter has COI relationships to be disclosed are as follows:

(1) Advisor, etc.:	None
(2) Stock ownership / profit:	None
(3) Patent royalty:	None
(4) Lecture fee:	Janssen Pharmaceutical, Ono Pharmaceutical
(5) Manuscript fee:	None
(6) Contract/joint research expenses:	AbbVie, Insight, Celgene, Novartis, Chugai Pharmaceutical, Janssen Pharmaceutical, Yakult Honsha, Daiichi Sankyo, Beigene
(7) Scholarship donation:	None
(8) Affiliation to endowed courses:	None
(9) Rewards including gifts, etc.:	None
(10) Employed by a company or profit	organization: None
(11) Provision of samples, drugs, etc.	: None
(12) Off-label use:	None

Therapeutic Strategies for Relapsed/Refractory (R/R) DLBCL

- Epidemiology and treatment of DLBCL
- What is R/R DLBCL?
- 2nd-line treatment of patients who are eligible for autologous transplantation
- Challenging Situations
 - 2nd-line refractoriness
 - Post-autotransplant relapse
 - Elderly patients who are ineligible for autotransplantation Pola-BR



[Research method]

Used population-based cancer registry data from Japan and the US. The period covered in this analysis is 1993–2008.

Japanese data: N=125,148, US population data: N=172,925

[Analytical method] Rates of sex-specific disease incidence and 95% confidence intervals (CI) were estimated and standardized by age-adjustment according to the world standard population. Incidence rates for Japan were additionally age-adjusted to the 1985 Japanese population, and those for the US were age-adjusted to the 2000 US population. Incidence rate ratios (IRR; US/Japan with 95% CI) was calculated for 2008 to compare incidence rates in the latest year between Japan and the US. Also, the annual percent change was calculated using Joinpoint regression analysis and estimated the annual percent change (APC), as well as the significance of the trend as described in detail elsewhere. Standard error of the age-standardized rates was estimated for each year.

All computations were performed with stata version 11 (STATA Corporation, College Station, TX, USA), except for the Joinpoint regression analysis for which we used the Joinpoint Regression Program version 3.3 (US National Cancer Institute, Bethesda, MD, USA). For Joinpoint regression analysis, two-sided P values <0.05 were considered statistically significant.

Classification according to Symptom Progression

[Classification of non-Hodgkin lymphoma (NHL) according to grade]

Grade	Prediction of progression (without treatment)	Type of non-Hodgkin lymphoma (NHL)
Low grade (Indolent lymphoma)	In years	Follicular lymphoma (FL) (Grade 1, 2) Mucosa-associated lymphoid tissue lymphoma (MALT lymphoma) Lymphoplasmacytic lymphoma (LPL) Chronic lymphocytic leukemia/small lymphocytic lymphoma (CLL/SLL) Mycosis fungoides (MF) Sézary syndrome (SS), etc.
Intermediate grade (Aggressive lymphoma)	Monthly basis	Follicular lymphoma (FL) (grade 3) Mantle cell lymphoma (MCL) Diffuse large B-cell lymphoma (DLBCL) Peripheral T-cell lymphoma (PTCL) Extranodal nasal type NK/T cell lymphoma (ENKL) etc.
High grade (Highly aggressive lymphoma)	In weeks	Burkitt's lymphoma (BL) etc.

Clinical Features of DLBCL

Clinical features of DLBCL

Clinical classification	'Aggressive' B-cell lymphoma progressing in months
Incidence	Approximately 45% of malignant lymphomas. The most common type of the disease.
Age at onset	Prevalent in middle-aged and elderly people, mainly in their 60s and 70s.
Symptoms	Lymphadenopathy is common. Other symptoms may occur depending on the site of onset and organs involved.
Lesion	Both segmental and extranodal. DLBCL can start almost anywhere in the body (particularly the gastrointestinal tract, skin, central nervous system, bone, and testis)
Prognostic model	International Prognostic Index (IPI); age-adjusted IPI; NCCI-IPI

DLBCL Treatment Options

Drug therapy	Radiotherapy
<u>Applicable to</u> Most DLBCL	<u>Applicable to</u> Localized DLBCL (after chemotherapy) Generalized DLBCL (achieving PR after
 <u>Characteristic</u> It is the mainstay of DLBCL treatment. 	chemotherapy)
 Patients are usually treated with combination chemotherapy. With the advent of antibody drugs, remission rates have improved 	 <u>Characteristic</u> High local control efficacy
Hematopoietic cell transplantation	CAR-T
Applicable to R/R DLBCL	Applicable to DLBCL after 3rd-line therapy
(Young patients and patients without organ	

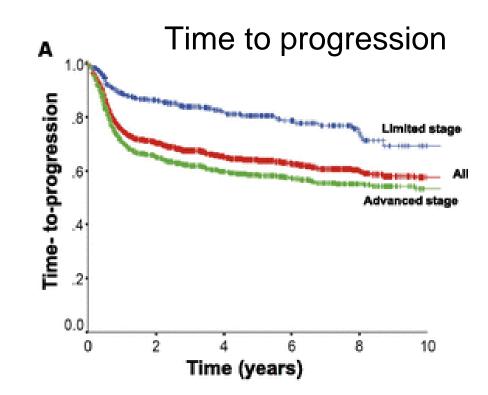
R-CHOP Regimen

rituximab	375 mg/m ²	Day 1	May be given on separate days from the other drugs
cyclophosphamide	750 mg/m ²	Day 1	
doxorubicin	50 mg/m²	Day 1	6 to 8 cycles of treatment, spaced 3 weeks apart
vincristine	1.4 mg/m ² (max 2)	Day 1	Outpatient treatment
prednisolone	100 mg (or 40 mg/m2)	Day 1-5	

R-CHOP in Previously Untreated DLBCL Patients

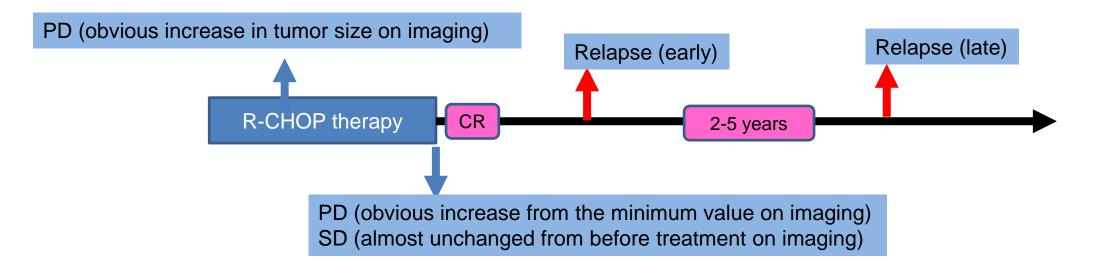
British Colombia, Canada

- N=1,660, diagnosed between 2001-2013
- Localized stage n=433, advanced stage n=1,227



What is R/R (treatment-resistant) DLBCL?

Ex. Relapse or refractory after 1st-line treatment



CR: complete response PR: partial response SD: stable disease PD: progressive disease R-CHOP: rituximab + cyclophosphamide, doxorubicin, vincristine, prednisolone Source: Japanese Society of Hematology. Practical Guidelines for Hematological Malignancies, 2018,

2nd-line Treatment for R/R DLBCL

Eligible for autologous transplantation (age/organ disorder)

- Combination chemotherapy (mainly anthracycline and non-cross-resistant drug)
 - Total dose of anthracycline (R-CHOPx6 \rightarrow DXR 300 mg/m²)
 - Anthracycline refractory
- Chemosensitivity \rightarrow Autologous transplantation as consolidation therapy

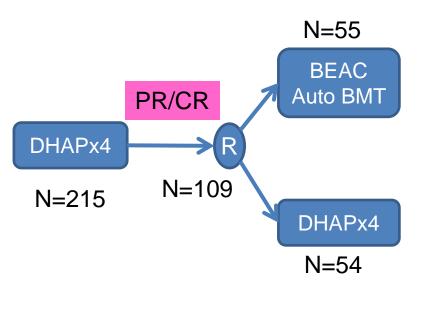
Ineligible for autologous transplantation

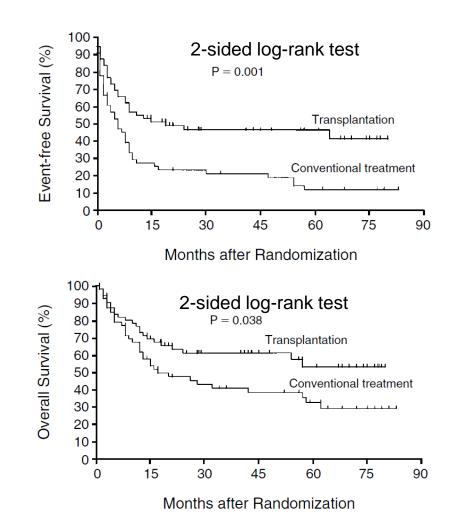
- Dose-reduced combination chemotherapy
- Single-agent chemotherapy
- Radiotherapy
- BSC (Best supportive care)

High-dose Chemotherapy with Autologous Transplantation for Relapsed Aggressive Lymphoma

Parma Study

- Intermediate/High-grade lymphoma
- Relapse





DHAP: dexamethasone + cisplatin + cytarabine BEAC: carmustine + etoposide + cytarabine + cyclophosphamide Auto BMT: autologous bone marrow transplant Source: Philip T et al. N Engl J Med 1995; 333:1540

Note: Carmustine included in BEAC regimen is not approved for the treatment of lymphoma in Japan.

Salvage Chemotherapy (2nd-line treatment) for DLBCL

□ Typical regimens used in Japan

	Rit	High- dose araC	GEM	Platinum- based drug	ETP	Alkylating agent	Steroid	Other
R-ESHAP	0	0	-	CDDP	0	-	mPSL	-
R-DHAP	0	0	-	CDDP	-	-	Dexa	-
CHASER	0	0	-	-	0	CY	Dexa	-
R-ICE	0	-	-	CBDCA	0	IFM	-	-
R-DeVIC	0	-	-	CBDCA	0	IFM	Dexa	-
R-GDP	0	-	0	CDDP	-	-	Dexa	-
R-GCD	0	-	0	CBDCA	-	-	Dexa	-
DA-EPOCH-R	0	-		-	0	CY	PSL	DXR

R-ESHAP: methylprednisolone, etoposide, cytarabine, cisplatin + rituximab CHASER: cyclophosphamide, cytarabine, dexamethasone, etoposide + rituximab R-ICE: ifosfamide, carboplatin, etoposide + rituximab R-DeVIC: dexamethasone, etoposide, ifosfamide, carboplatin + rituximab R-GDP: gemcitabine, dexamethasone, cisplatin + rituximab R-GCD: gemcitabine, dexamethasone, cisplatin + rituximab DA-EPOCH-R: Dose adjusted EPOCH-R (etoposide, prednisolone, vincristine, cyclophosphamide, doxorubicin + rituximab) CDDP: cisplatin CBDCA: carboplatin CY: cyclophosphamide IFM: ifosfamide mPSL: methylprednisolone Dexa: dexamethasone Rit: rituximab araC: cytarabine GEM: gemcitabine

ETP: etoposide

Continuous

infusion

*Mostly platinum-based regimen

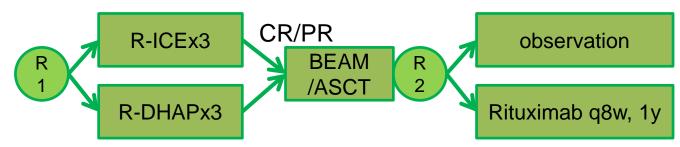
Table: Prepared by the presenter *

*cytarabine (araC)-containing vs non-cytarabine

R-ICE vs R-DHAP for R/R DLBCL

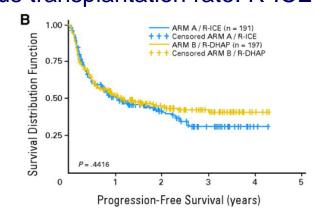
□ CORAL Study N=396

R/R DLBCL



□ Response rate: R-ICE 63.5% vs R-DHAP 62.8%

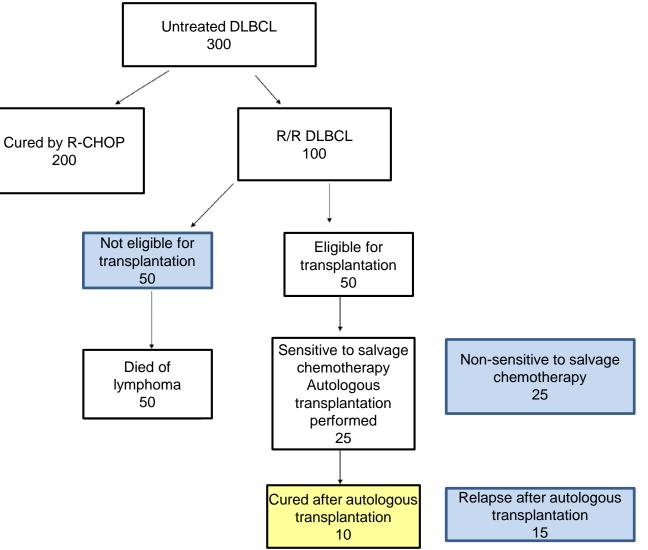
Mobilization-adjusted response rate: R-ICE 52.3% vs R-DHAP 54.5%
 Autologous transplantation rate: R-ICE 51% vs R-DHAP 55%



AEsR-ICE vs R-DHAPPlt transfusion35% vs 54%Infection with neutropenia (G3/4)17% vs 16%Renal (G3/4)1% vs 6%

Plt: platelet ASCT: autologous stem cell transplantation Source: Gisselbrecht C et al. J Clin Oncol 2010; 28:4184

Limited Number of Patients with R/R DLBCL Can Achieve Cure by Autologous Transplantation



Challenging Situations for the Treatment of R/R DLBCL

- Secondary treatment unresponsive (refractory to 2nd-line salvage chemo)
- Post-autotransplant relapse (ASCT failure)
- Elderly patients who are ineligible for autotransplantation

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Allo SCT after 3rd-line Salvage Chemotherapy

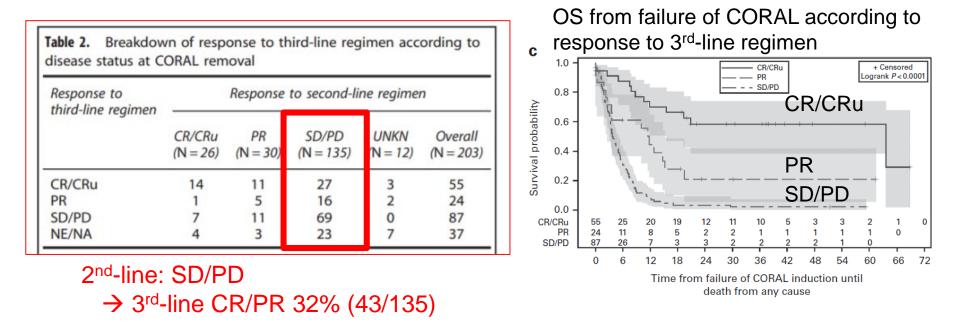
CORAL study

- Failed to proceed to BEAM+ASCT (n=203)
- ORR to 3rd-line chemo (ITT): 39%

Allo SCT: allogenic stem cell transplantation BEAM: carmustine (not approved in Japan), etoposide, cytarabine+melphalan CR: complete response, CRu: complete response unconfirmed Source: Van Den Neste, E et al. Bone Marrow Transplant 2016; 51:51

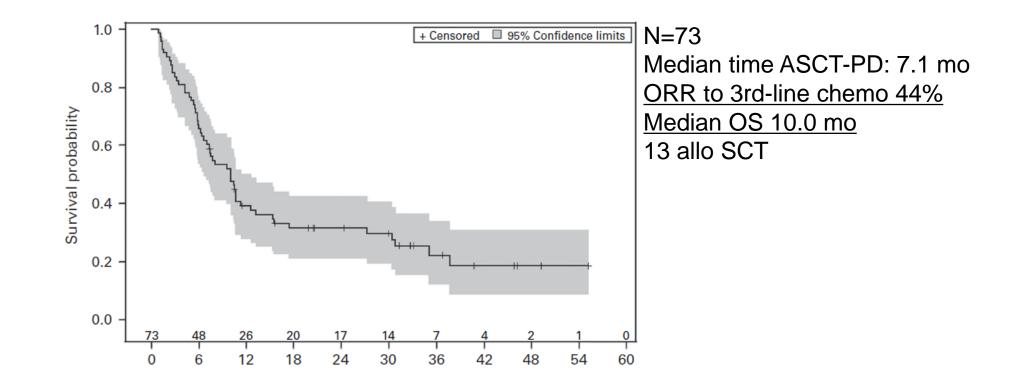
■ 31.5% eventually transplanted (ASCT 56, allo SCT 8)

2nd line (CORAL)	3rd line	ORR to 3rd line
R-DHAP (n=94)	ICE-like (n=23)	45.3%
R-ICE (n=109)	DHAP (n=26)	42.3%



Relapse after ASCT

CORAL study

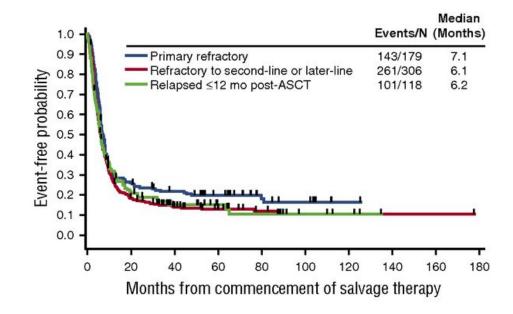


Prognosis of Refractory DLBCL

SCHOLAR-1 Study (retrospective study)

- "Refractory" DLBCL
 - □ 1st-line therapy R-CHOP x 4→ SD/PD
 - □ After 2^{nd} -line therapy \rightarrow SD/PD
 - □ Relapse within 12 months after autologous transplantation

■ Response to the next-line therapy: Overall response rate 26%, CR rate 7%



Allo SCT after Failing ASCT

CIBMTR retrospective

- N=503
- Status at allo SCT

□ Chemo-sensitive 74% (CR 35%, PR 39%)

Chemo refractory 21%

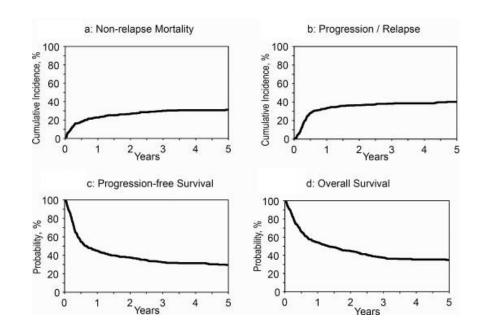
Graft type

BM 9%, PB 91%

Type of donor

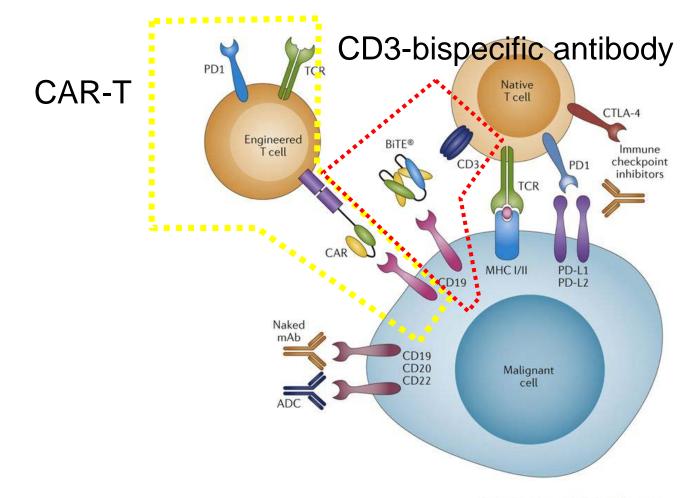
□ HLA-identical sibling 50%

- □ Unrelated well-matched 23%
- □ Unrelated partially matched 26%



BM: bone marrow PB: peripheral blood Source: Fenske TS et al. Br J Haematol 2016; 174:235

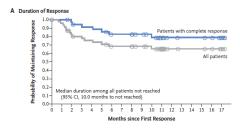
Immunotherapy Targeting CD19

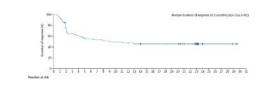


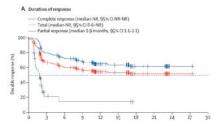
Nature Reviews | Clinical Oncology

CD19 Targeted CAR-T Cell Therapy for R/R DLBCL

	Tisagenleclucel (Tisa-cel)	Axicabtagen ciloucel (Axi-cel)	Lisocabtagene maralucel (Liso-cel)
Pivotal study	JULIET	ZUMA-1	TRANSCEND
Age	56 (range 22-76)	58 (IQR 51-64)	63 (range 54-70)
ORR	52%	83% (84/101)	73% (186/256)
CR rate	40%	58% (59/101)	53% (136/256)
Median follow-up	12 mo	11.1 mo	18.8 mo (apheresis)
Duration of response		11.1 mo (median)	54.7% @ 12 mo
PFS	65% @ 12 mo	44% @ 12 mo 5.9 mo (median)	44.1% @ 12 mo 6.8 mo (median)
CRS (any grade/grade ≥3)	58% / 22% (Penn scale)	93%(NEJM) /11%	42% / 2%
Neurological events (any grade/grade ≥3)	21% / 12%	64%(NEJM) / 32%	30% / 10%







mo: month

Source: Schuster S et al. N Engl J Med 2019; 380:45-56 Locke FL et al. Lancet Oncol 2019; 20:31-42 Abramson JS et al. Lancet 2020; 396:839-852

Challenging Situations in the Treatment of R/R DLBCL

- Secondary treatment unresponsive (refractory to 2nd-line salvage chemo)
- Post-autotransplant relapse (ASCT failure).

Elderly patients who are ineligible for autotransplantation

R/R DLBCL in Elderly Patients

Multidrug salvage chemotherapy (+/-dose reduction)

ICE-like, Gem-containing > HDAC+CDDP

- No prospective studies have been conducted. Treatment has been selected based on empirical clinical experiences.
- Cure is difficult.
- High toxicity: myelosuppression, nephropathy etc.
- Need hospitailzation: continuous infusion on daily basis, severe myelosuppression

□ Single agent

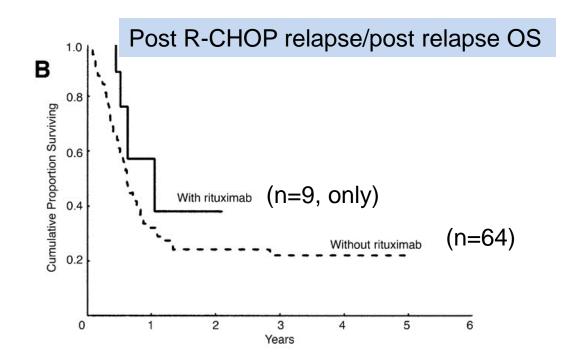
Gem

- Oral agent
- Radiotherapy
- Best supportive care

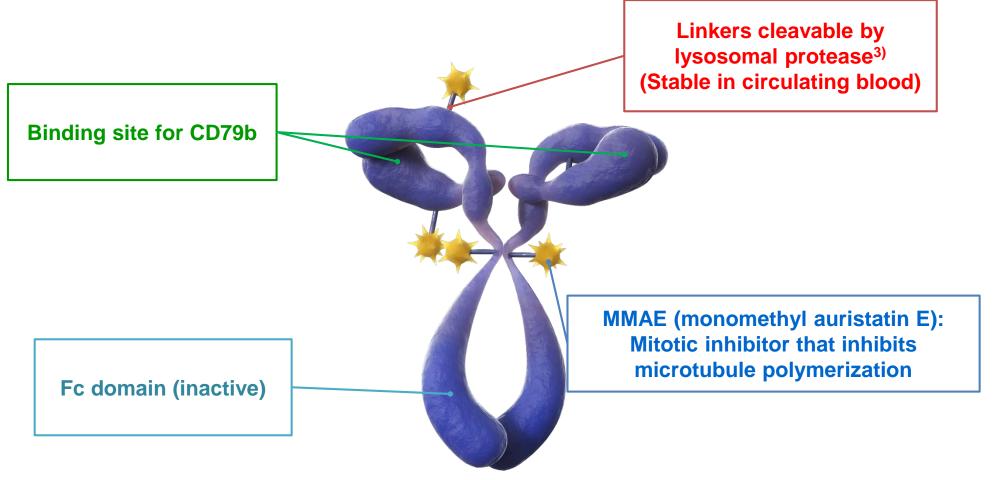
R/R DLBCL in Elderly Patients Prognosis of Patients Relapsed after R-CHOP

GELA LNH98-5 study (R-CHOP vs CHOP)

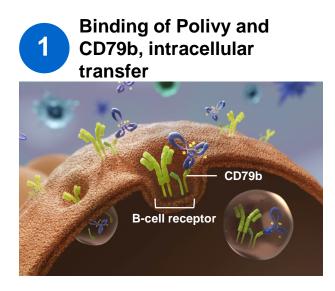
- DLBCL, 60-80 years old
- Progression after R-CHOP 77
- Salvage chemo: DHAP, ESHAP, ICE (+ASCT, n=1)



Polatuzumab vedotin (PV, Pola) anti-CD79b ADC

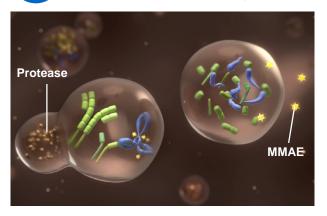


Mode of Action

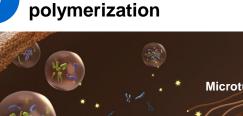




Degraded by lysosomal proteases, releasing MMAE



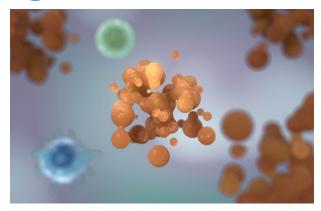








Inhibiting cell proliferation, inducing apoptosis

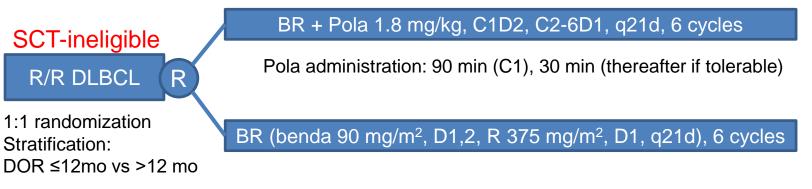


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Pola-BR vs BR in R/R DLBCL Randomized Phase 1b/2 Study (GO29365)

Study Design

Phase Ib safety run-in: BR+Pola 1.8 mg/kg, n=6 Phase 2: open-label randomized phase 2, n=80

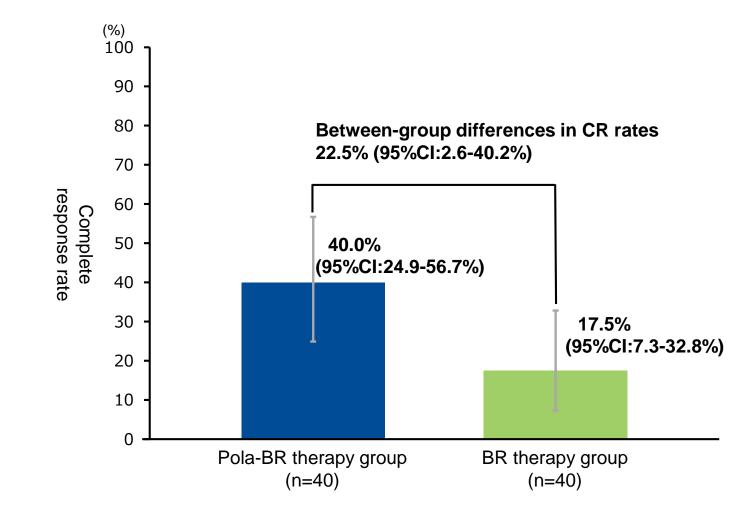


Primary endpoint: CR rate (PET-CT, modified Lugano Response Criteria) at EOT (6-8 weeks after Day 1 of Cycle 6 or last dose of study treatment)

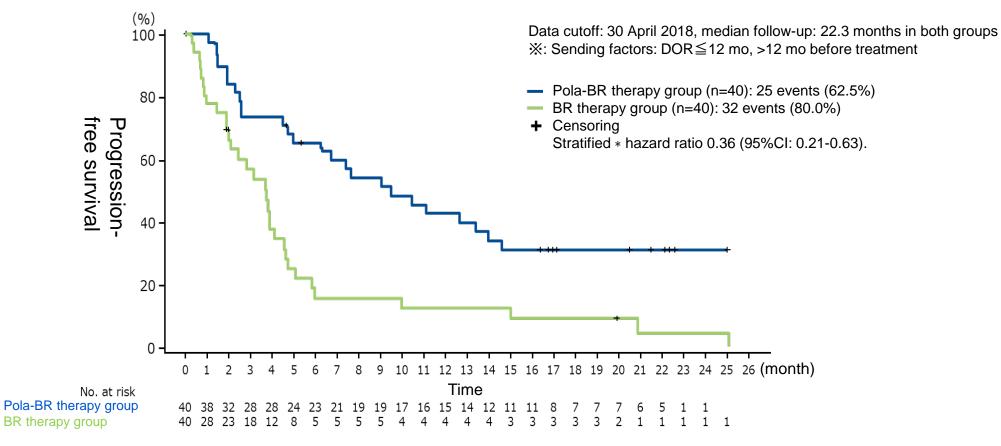
Baseline Characteristics

	Pola-BR (n=40)	BR (n=40)
Median age	67 (33-86)	71 (30-84)
ECOG PS 2	15%	20%
ABC-DLBCL	47.5%	47.5%
GCB-DLBCL	37.5%	42.5%
Primary reason for transplantation ineligibility		
age	32.5%	47.5%
comorbidities	2.5%	2.5%
insufficient response to salvage therapy	30.0%	22.5%
failed prior transplantation	25.0%	15.0%
Bulky disease (>7.5 cm)	25.0%	37.5%
DOR of last treatment ≤ 12 mo	80%	82.5%
Lines of prior therapy (median)	2 (1-7)	2 (1-5)
Prior bendamustine	2.5%	0%

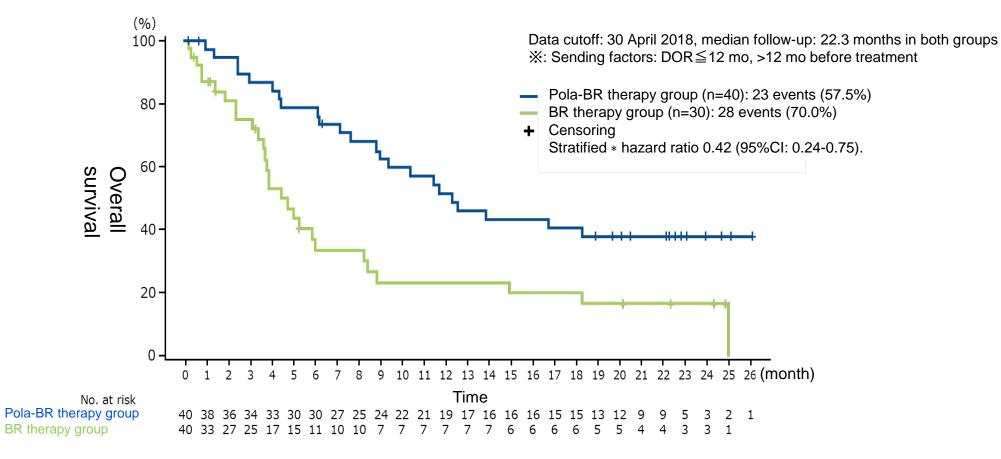
Efficacy (CR rate: Primary endpoint)



Efficacy (PFS: Secondary endpoint)



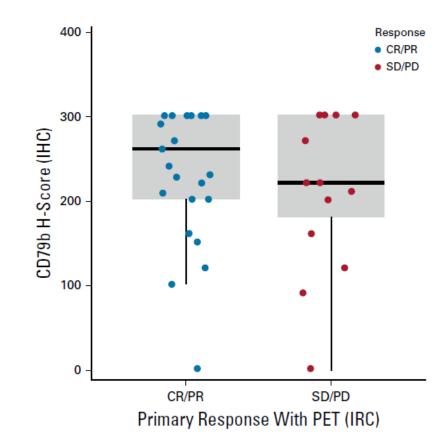
Efficacy (OS: Exploratory outcome)



Safety	No, (%)	Pola+BR (n=39)		BR (n	i=39)
		ALL Grades	Grade 3-4	ALL Grades	Grade 3-4
	Anemia	21 (53.8)	11 (282)	10 (25.6)	7 (17.9)
	Neutropenia	21 (53.8)	18 (46.2)	15 (38.5)	13 (33.3)
	Thrombocytopenia	19 (48.7)	16 (41.0)	11 (28.2)	9 (23.1)
	Lymphopenia	5 (12.8)	5 (12.8)	0	0
	Febrile neutropenia	4 (10.3)	4 (10.3)	5 (12.8)	5 (12.8)
	Diarrhoea	15 (38.5)	1 (2.6)	11 (28.2)	1(2.6)
	Nausea	12 (30.8)	0	16 (41.0)	0
	Constipation	7 (17.9)	0	8 (20.5)	1 (2.6)
	Malaise	14 (35.9)	1 (2.6)	14 (35.9)	1 (2.6)
	Pyrexia	13 (33.3)	1 (2.6)	9 (23.1)	0
	Peripheral neuropathy	17 (43.6)	0	3 (7.7)	0
	Red blood cell transfusion		25.6%		20.5%
	Platelet transfusion		15.4%		15.4%
	G3-4 Infection		23.1%		20.5%
	G-CSF		71.8%		61.5%

Serious adverse reactions were reported by 28.2% (11 of 39 subjects). Events reported included febrile neutropenia in 7.7% (3 of 39 subjects), pneumonia and pyrexia in 5.1% (2 of 39 subjects), thrombocytopenia, diarrhea, myelodysplastic syndrome, herpes virus infection, herpetic meningoencephalitis, rhinovirus infection, decreased appetite, deep vein thrombosis, pulmonary edema, and vomiting in 2.6% (1 of 39 subjects), respectively. Adverse reactions leading to discontinuation of any of the drugs were observed in 28.2% (11 of 39 subjects). Thrombocytopenia and neutropenia occurred in 10.3% (4 of 39 subjects) of subjects, respectively, and pneumonia, thrombocytopenia, neutrophil count decreased, pulmonary edema, pneumonitis, and pancytopenia occurred in 2.6% (1 of 39 subjects). Mortality occurred in 7.7% (3 of 39 patients). Pneumonia, herpetic meningoencephalitis, and pulmonary edema occurred in 2.6% (1 of 39 subjects) of the subjects, respectively. 45

Efficacy by CD79b protein expression



□ Treatment exposure

Treatment exposure	Pola-BR(n=39)	BR(n=39)
Median end of treatment (range)	5(1-6)	3(1-6)
At the end of 6 cycles	18(46.2)	9(23.1)
Discontinue		
PD	6(15.4)	21(53.8)
Lack of Efficacy	1(2.6)	1(2.6)
Adverse events	13(33.3)	4(10.3)
Other	1(2.6)	4(10.3)
Dose reduction of Polivy	2(5.1)	—
Dose reduction of bendamustine	5(12.8)	4(10.3)
Delayed treatment	21(53.8)	15(38.5)
Median dose		
Polivy	93(58-109)	—
Bendamustine	91(84-98)	93(63-102)
Rituximab or obinutuzumab	91(70-103)	93(45-101)

Pola-BR in Japanese Patients with R/R DLBCL, Phase 2 Study (P-DRIVE)

Study design

R/R DLBCL

 Aged ≥ 20 years at the time of obtaining informed consent

CD20 positive DLBCL
Ineligible for ASCT
ECOG PS 0-2

Pola-BR therapy group: 35 patients (3 weeks × 6 cycles) • Polivy 1.8 mg/kg

- Bendamustine 90 mg/m²
- Rituximab 375 mg/m²

Primary endpoint: CR rate (PET-CT) Expected CR rate: 40.0%, threshold CR rate: 17.5% (Pola-BR vs BR, CR rates of Pola-BR group and BR group in RP2)

Pola-BR in Japanese Patients with R/R DLBCL, Phase 2 Study (P-DRIVE)

Baseline characteristics

	Pola-BR (n=35)	Pola-BR (overseas) (n=40)	BR (overseas) (n=40)
Median age	71 (46-86)	67 (33-86)	71 (30-84)
ECOG PS 2	8.6%	15%	20%
ABC-DLBCL	40.6%	47.5%	47.5%
GCB-DLBCL	43.8%	37.5%	42.5%
Primary reason for transplantation ineligibility			
age	65.7%	32.5%	47.5%
comorbidities	-	2.5%	2.5%
insufficient response to salvage therapy	17.1%	30.0%	22.5%
failed prior transplantation	8.6%	25.0%	15.0%
Bulky disease (>7.5 cm)		25.0%	37.5%
DOR of last treatment ≤ 12 mo	74.3%	80%	82.5%
Lines of prior therapy (median)	3L+ 42.9%	2 (1-7)	2 (1-5)
Prior bendamustine	?	2.5%	0%

Source: Evaluation materials at the time of approval - Japanese Phase II clinical study (JO40762 Study [P-DRIVE Study])

Pola-BR in Japanese Patients with R/R DLBCL, Phase 2 Study (P-DRIVE)

P-DRIVE Study: Efficacy

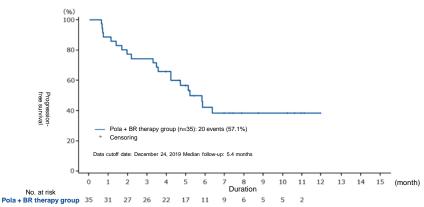
- CR rate (INV): 34.3% (95% CI: 19.1-52.2%)
- ORR (INV): 42.9%
- ORR (best response): 71.4%
- Median DOR: 6.6 mo
- Median PFS: 5.2 mo

P-DRIVE Study: Safety

■ Grade \geq 3 adverse events: \geq 5%

P-DRIVE Study: Exposure

- Polivy: 5 cycle (median)
- Bendamustine: 5 cycle (median)
- Rituximab: 5 cycle (median)



	Pola-BR therapy group (n=35)
Number of cases	31 (88.6%)
Anemia	13 (37.1%)
Neutropenia	11 (31.4%)
White blood cell count decreased	8 (22.9%)
Thrombocytopenia	7 (20.0%)
Platelet count decreased	7 (20.0%)
Neutrophil count decreased	7 (20.0%)
Febrile neutropenia	4 (11.4%)
Hypokalemia	2 (5.7%)

G-CSF prophylactic administration 97.1%

Source: Evaluation materials at the time of approval - Japanese Phase II clinical study (JO40762 Study [P-DRIVE Study])

Expectations for Polivy

Polivy is an antibody treatment for DLBCL that has been launched for the first time in 18 years since the launch of Rituxan, presenting a new treatment option.

□ It is the first ADC for DLBCL.

Pola-BR is a regimen that can be administered on an outpatient basis, allowing treatment tailored to the patient's preference.

Therapeutic Strategies for R/R DLBCL

Summary

- Initiate 2nd-line therapy as determined by eligible for autologous transplant or not
 - If sensitive to salvage chemotherapy, high-dose chemotherapy with autologous transplantation is given
 - CAR-T cells therapy is primarily a 3rd-line treatment option
- In patients ineligible for autotransplantation, cure is difficult and prolonged disease control is the goal of treatment
 - Pola-BR was found to be effective against BR in a randomized phase 2 trial
 - Pola-BR is an ambulatory treatment option
 - Pola-BR should be vigilant for cytopenias, including lymphopenia, and peripheral neuropathy

Forward-Looking Statements



This presentation may include forward-looking statements pertaining to the business and prospects of Chugai Pharmaceutical Co., Ltd. (the "Company"). These statements reflect the Company's current analysis of existing information and trends. Actual results may differ from expectations based on risks and uncertainties that may affect the Company's businesses.

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INNOVATION BEYOND IMAGINATION