Brentuximab vedotin (Adcetris®) in combination with doxorubicin, vinblastine and dacarbazine for previously untreated CD30+ Stage III or IV Hodgkin lymphoma							
	General information						
	Drug description [1]						
Brentuximab vedotin (Adcetris®) is a CD30-directed antibody and microtubule inh	ibitor conjugate.						
	Indication [2]						
3rentuximab vedotin (Adcetris®) is indicated for adult patients with previously untreated CD ₃ 0+ Stage III or IV Hodgkin lymphoma (HL) in combination with doxorubicin, vinblastine and dacarbazine (AVD).							
	Incidence [3]						
In Austria, in 2020, a total of 214 persons were newly diagnosed with HL. The age-	standardised incidence rate ¹ was 2.9 per 100,000 men and 2.0 per 100,000 women.						
	Current treatment [4]						
 Escalated BEACOPP (bleomycin, etoposide, adriamycin, cyclophospharr therapy of PET-positive residues. Meta-analysis data clearly showed an increase in tumour control and OS Due to the results from the HD15 trial of the German Hodgkin Study Gro therapy including eight cycles. Results of the HD15 trial also showed that patients with PET-negativ chemotherapy. In patients with PET-positive residual lymphoma, local irradiation with 3d dose therapy) is not justified. Based on data from the HD15 trial, PET-driven therapy is considered as BEACOPP, patients with PET-positive residual lesions after 2 cycles should be a solution of the test of test of the test of tes	nide, vincristine, procarbazine and prednisone) is considered as standard treatment for advanced stages of HL, followed by radiation of this combination therapy as compared with ABVD; hence, ABVD is not recommended as therapy of the first choice. oup, therapy cycles could be reduced from eight to six cycles. The reduced therapy was less toxic overall and more effective than the e residual lymphoma had the same good prognosis without consolidative radiation as compared to patients with CR/CRu after o Gy should be applied. Due to the good prognosis of these patients (PFS at 4 years: 86.2%), stepping up systemic therapy (e.g., high- s standard treatment for advanced stages of HL: patients who are PET-negative after 2 cycles receive only four cycles of escalated uld be treated with a total of six cycles escalated BEACOPP and - if necessary - irradiation of PET-positive residuals.						
	Regulatory status						
EMA [2]	FDA [1, 5]						
Approval status for this indication: On 14 September 2023, the CHMP adopted a positive opinion recommending a change to the terms of the marketing authorisation for Adcetris [®] . The CHMP adopted an extension to an existing indication to include treatment	 Approval status for this indication: On 20 March 2018, the FDA approved brentuximab vedotin (Adcetris®) to treat adult patients with previously untreated stage III or IV classical Hodgkin lymphoma (cHL) in combination with chemotherapy. ✓ Priority review ✓ Breakthrough designation 						
 Adcetris[®] is indicated for adult patients with previously untreated CD₃o+ Stage III or IV HL in combination with AVD. 	Other indications: Adcetris [®] is indicated for the treatment of: Paediatric patients ≥2 years with previously untreated high-risk cHL, in combination with doxorubicin, vincristine, etoposide_prednisone_and cyclophosphamide						
 Other indications: Adcetris[®] is indicated: for the treatment of adult patients with CD₃0+ HL at increased risk of relapse or progression following ASCT. for the treatment of adult patients with relapsed or refractory CD₃0+ HL: following ASCT, or 	 Adult patients with cHL at high risk of relapse or progression as post-autologous hematopoietic stem cell transplantation (auto-HSCT) consolidation. Adult patients with cHL after failure of auto-HSCT or after failure of at least two prior multi-agent chemotherapy regimens in patients who are not auto-HSCT candidates. Adult patients with previously untreated sALCL or other CD₃o-expressing peripheral T-cell lymphomas, including angioimmunoblastic T-cell lymphoma and PTCL not otherwise specified, in combination with cyclophosphamide, doxorubicin, and prednisone. 						

¹ European Standard Population 2013.

*	 following at least two prior therapies when ASCT or multi-agent chemotherapy is not a treatment option. Adult patients with sALCL after failure of at least one prior multi-agent chemotherapy regimen. Adult patients with primary cutaneous anaplastic large cell lymphoma or CD₃O-expressing mycosis fungoides who have received prior systemic therapy. Adult patients with sALCL after failure of at least one prior multi-agent chemotherapy regimen. Adult patients with primary cutaneous anaplastic large cell lymphoma or CD₃O-expressing mycosis fungoides who have received prior systemic therapy. Adult patients with sALCL after failure of at least one prior multi-agent chemotherapy regimen. Adult patients with primary cutaneous anaplastic large cell lymphoma or CD₃O-expressing mycosis fungoides who have received prior systemic therapy. 							
✓	Orphan status Manufacturer							
Adcetris	is jointly developed by Seagen and Takeda.							
	Costs							
Adcetris	powder for concentrate for solution for infusion 50 mg = € 3,884.00 (ex-factory price) [6]							
	Posology [7]							
*	 Previously untreated HL The recommended dose in combination with chemotherapy (doxorubicin, vinblastine and dacarbazine) is 1.2 mg/kg administered as an IV infusion over 30 minutes on days 1 and 15 of each 28-day cycle for 6 cycles. Primary prophylaxis with growth factor support (G-CSF), beginning with the first dose, is recommended for all adult patients with previously untreated HL receiving combination therapy. Refer to the summary of product characteristics of chemotherapy agents given in combination with Adcetris[®] for patients with previously untreated HL. 							
•	Warnings and precautions [1, 7]							
*								
**	Monitor complete blood counts. Monitor for signs of infection. Manage using dose delays and growth factor support							
*	 Monitor complete blood counts. Monitor for signs of infection. Manage using dose delays and growth factor support. Serious infections and opportunistic infections Closely monitor patients for the emergence of bacterial, fungal or viral infections 							
*	 Tumour lysis syndrome Closely monitor patients with rapidly proliferating tumours or high tumour burden. 							
*	Hepatotoxicity							
	Monitor liver enzymes and bilirubin.							
**	Monitor patients for new or worsening symptoms							
*	Serious dermatologic reactions							
·	Discontinue if Stevens-Johnson syndrome or toxic epidermal necrolysis occurs.							

Gastrointestinal complications

- Monitor patients for new or worsening symptoms.
- Hyperglycaemia
 - Monitor patients for new or worsening hyperglycaemia. Manage with anti-hyperglycaemic medications as clinically indicated.

Embryo-foetal toxicity

- Can cause foetal harm. Advise females of reproductive potential and males with female partners of reproductive potential of the potential risk to a foetus and to use effective contraception.
- Pancreatitis
 - Acute pancreatitis has been observed in patients treated with Adcetris®. Fatal outcomes have been reported.
 - Patients should be closely monitored for new or worsening abdominal pain, which may be suggestive of acute pancreatitis. Patient evaluation may include physical examination, laboratory
 evaluation for serum amylase and serum lipase, and abdominal imaging, such as ultrasound and other appropriate diagnostic measures. Adcetris[®] should be held for any suspected case of acute
 pancreatitis.
 - Adcetris® should be discontinued if a diagnosis of acute pancreatitis is confirmed.
- Febrile neutropenia
 - Febrile neutropenia (fever of unknown origin without clinically or microbiologically documented infection with an absolute neutrophil count < 1.0 × 10⁹/L, fever ≥ 38.5 °C; ref CTCAE v₃) has been reported with treatment with Adcetris[®]. Complete blood counts should be monitored prior to administration of each dose of treatment. Patients should be monitored closely for fever and managed according to best medical practice if febrile neutropenia develops.
 - In combination therapy with AVD or CHP, advanced age was a risk factor for febrile neutropenia. When Adcetris® is administered in combination with AVD or CHP, primary prophylaxis with G-CSF, beginning with the first dose, is recommended for all adult patients regardless of age.
- Infusion site extravasation
 - Extravasation during intravenous infusion has occurred. Given the possibility of extravasation, it is recommended to closely monitor the infusion site for possible infiltration during drug administration.
- Renal and hepatic impairment
 - There is limited experience in patients with renal and hepatic impairment. Available data indicate that MMAE clearance might be affected by severe renal impairment, hepatic impairment, and by
 low serum albumin concentrations.
- CD30+ CTCL
 - The size of the treatment effect in CD₃0 + CTCL subtypes other than mycosis fungoides and primary cutaneous anaplastic large cell lymphoma is not clear due to lack of high level evidence. In two single arm phase II studies of Adcetris[®], disease activity has been shown in the subtypes Sézary syndrome, lymphomatoid papulosis and mixed CTCL histology. These data suggest that efficacy and safety can be extrapolated to other CTCL CD₃0+ subtypes. Nevertheless, Adcetris[®] should be used with caution in other CD₃0+ CTCL patients after careful consideration of the potential benefit-risk on an individual basis.
- Sodium content in excipients
 - This medicinal product contains 13.2 mg sodium per vial, equivalent to 0.7% of the WHO recommended maximum daily intake of 2 g sodium for an adult.
- Traceability
 - In order to improve the traceability of biological medicinal products, the name and the batch number of the administered product should be clearly recorded.

Study characteristics [8-13]										
Trial name	п	Intervention (I)	Comparator (C)	PE	Median follow- up for PE	Characteristics	Biomarker	Funding	Publication(s)	
ECHELON-1, Study C25003 NCT01712490	1,334 (1:1)	A+AVD (brentuximab vedotin, 1.2 mg/kg of body weight,	ABVD (doxorubicin 25 mg/m ² , bleomycin 10 U/m ² , vinblastine 6 mg/m ² , and dacarbazine	Modified PFS ²	60.9 months	ongoing ³ , open-label, international, randomised,	-	Millennium Pharmaceuticals (a wholly owned subsidiary of Takeda Pharmaceutical Company), and Seagen	ECHELON-1 [12]	

² Defined as the time from randomisation to progression, death, or non-complete response and use of subsequent anticancer therapy) as per the independent review facility. ³ The ECHELON-1 trial is currently ongoing; the estimated study completion date is January 2026.

	doxorubicin 25 mg/m ² of BSA, 375 mg/m ²) IV on days	1		phase 3 trial					
	vinblastine 6 mg/m², and and 15 of each 28-day	/							
	dacarbazine 375 mg/m²) cycle for up to 6 cycle	s							
	IV on days 1 and 15 of each 28-								
	day cycle for up to 6 cycles								
	Inclusion criteria ⁴		Exclu	sion criteria		Pa	Patient characteristics at baseline		
							(I vs. C	.)	
*	Male or female patients ≥18 years	 Nod 	ular lymphocyte pr	edominant HL.		*	 Male sex: 57% vs. 5 	;9%	
*	Treatment-naïve HL patients with Ann Arbor Stage III or IV disease.	🛠 Fem	ale patients who w	ere both lactating a	and breastfeedi	ng or 🕴	 Median age: 35 vs. 	37 years	
*	Histologically confirmed classical HL according to the current WHO	who	had a positive seru	m pregnancy test d	luring the scree	ning 🏾 🍾	 Age group 		
	Classification.	peri	od or a positive pre	gnancy test on Day	1 before first d	ose of	• <60 year	s: 87% vs. 85%	
*	ECOG PS ≤2	stuc	y drug.				≥60 year	S: 13% VS. 15%	
*	Patients must have had bidimensional measurable disease as documented	🛠 Any	serious medical or	psychiatric illness tl	hat could, in the	e *	 Ann Arbor stage at 	initial diagnosis:	
	by radiographic technique per the International Working Group Revised	inve	stigator's opinion, p	potentially interfere	e with the comp	oletion	Stage II:	<1% VS. 0	
	Criteria for Response Assessment for Malignant Lymphoma.	of tr	eatment according	to this protocol.			Stage III:	36% VS. 37%	
*	Female patients who:	Kno	wn cerebral or men	ingeal disease, inclu	uding signs or		 Stage IV: 	64% VS. 63%	
	 were postmenopausal for at least 1 year before the screening winit OD 	sym	ptoms of progressiv	ve multifocal leukoe	encephalopathy	<i>4</i> .	 Not appli missing 	icable, unknown, or	
	Were surgically starile. OR	Syff	iptomatic neurolog	ic disease comprom	hising normai		International Prog	<190 VS. <190	
	 Were surgically sterile, OR If they were of childbacking notantial agreed to practice a 		concorr or motor p	or requiring medica	hu	•			
	effective methods of contracention, at the same time from the	 Ally Any 	active systemic vir	al bacterial or func	ny Nal infection rec	ujirina	• 0-1.2170 • 2-2:52%	VS F2%	
	time of signing the informed consent through 6 months after	• Any	emic antibiotics wit	hin a weeks before	first study drug	ioning i	• <u>2</u> 3. 53/0	vs. 53/0	
	the last dose of the study drug. OR	dose			inst stody drog	•	 ECOG performance 	e status	
	 Agreed to practice true abstinence, when this was in line with 	 Prio 	r immunosuppressi	ve chemotherapy, t	therapeutic rad	iation.	• 0: F7% VS	E 514105	
	the preferred and usual lifestyle of the subject.	or a	ny immunotherapy	within 12 weeks of	first study drug	dose.	• 1.30% VS		
*	Male patients, even if surgically sterilized who:	🛠 Kno	wn hypersensitivity	to recombinant pr	oteins, murine	, 	● 2:4%VS	۸% ۱	
	 Agreed to practice effective barrier contraception during the 	prot	eins, or to any excip	pient contained in t	he drug formula	ation	 Not obta 	ined or missing o vs.	
	entire study treatment period and through 6 months after the	of b	rentuximab vedotin	or any component	of ABVD.		<1%	inea er missingi e tsi	
	last dose of study drug, OR	🛠 Kno	wn human immuno	deficiency virus po	sitive.	*	 Extranodal involve 	ment at diagnosis	
	• Agreed to practice true abstinence, when this was in line with	🛠 Kno	wn hepatitis B surfa	ace antigen-positive	e, or known or		• Yes: 62%	vs. 62%	
	the preferred and usual lifestyle of the subject.	susp	ected active hepati	itis C infection.			0	1 extranodal site:	
*	Voluntary written consent	 Diag 	nosed or treated fo	or another malignar	ncy within 3 yea	irs		33% vs. 33%	
*	Suitable venous access for the study-required blood sampling, including	befo	ore the first dose or	previously diagnos	ed with anothe	r	0	>1 extranodal site:	
	pharmacokinetic sampling.	mal	gnancy and had an	y evidence of residu	Jai disease. Pat	ients		29% vs. 29%	
*	Clinical laboratory values as specified within 7 days before the first dose of	with	nonmelanoma skir	n cancer or carcinor	na in situ of any	/ туре	 No: 33% 	vs. 34%	
	the study drug:	wer	e not excluded if the	ey nad undergone o	complete resect	ion.	 Unknowi 	n or missing: 5% vs.	
	 Absolute neutrophil count ≥1,500/µL unless there was known HL 	💀 Any	or the following cal	ruiovascular conditi	ions of values w		4%		
	marrow involvement.	σm		ular aiaction fractio	ny: n < r0%	*	 Patients with any E 	3 symptom: 60% vs.	
	 Platelet count ≥75,000/µL unless there was known HL marrow involvement 		A left-ventillet Myocardial in	farction within a vo	ars of randomi	sation	57%		
	INVOIVEMENT.		Now York La	art Association Class			PET-2 status		
	 I otal billrubin, <1.5× the ULN unless the elevation was known to be due to Cilbert oundrance 		 new TOIK Head failuro 		in or iv fiedft		Positive:	7% vs. 9%	
1	de que to Gilbert syndrome.		Tallule.				 Negative 	:: 89% vs. 86%	

⁴ For detailed in- and exclusion criteria, please see Supplementary Appendix.



	•	ALT or A times the the prese Serum cr calculate Haemogl	ST, <3× ULN. ULN if their ence of HL in eatinine, <2.0 d creatinine of obin, ≥8 g/dL	AST and ALT elevation cou liver. o mg/dL and/c clearance >40 -	could be eleva ld be reasonabl or creatinine cle mL/minute.	red up to 5 y ascribed to arance or		 Evidence of current uncontrolled cardiovascular conditions, including cardiac arrhythmias, congestive heart failure, angina, or electrocardiographic evidence of acute ischemia or active conduction system abnormalities. Unknown or unavaila vs. 5% 					ilable: 4%	
					Ef	ficacy (I vs. C)						Safety (I	vs. C)	
Efficacy (I vs. C) Cut-off date for the 5-year analyses: 14 September 2020; median follow-up time was 60.9 months Estimated 5-year PFS per investigator assessment in the ITT population: 82.2% (95% CI 79.0–85.0) vs. 75.3% (95% CI, 71.7–78.5); HR 0.68 (95% CI, 0.53–0.87); p=0.0017 PFS in PET-2-negative patients: 84.9% (95% CI, 81.7–87.6) vs. 78.9% (95% CI, 75.2–82.1) PFS in PET-2-positive patients: 60.6% (95% CI, 45.0–73.1) vs. 45.9% (95% CI, 32.7–58.2) Patients who received at least one subsequent anticancer therapy: 20% vs. 24% Patients who had high-dose chemotherapy plus an autologous HSCT: 6% vs. 9% Cutoff date for the OS analysis: 1 June 2021; median follow-up time was 73.0 months Number of deaths: 39 vs. 64 OS: HR for death 0.59 (95% CI, 91.6–95.5) vs. 89.4% (95% CI, 86.6–91.7) Subgroups: more favourable estimates of the treatment effect with A+AVD than ABVD C among patients <60 years of age, those with stage IV disease, among those in the high-risk IPS subgroup, and among those in North America; less favourable estimates of the treatment effect with A+AVD than with ABVD among patients selo years of age, among women, and among patients in the low-risk IPS subgroup.						5.68 (95% CI, stage IV disease, +AVD than with -85.0) vs. 74.5%	Cut-off date for 2020; median f Peripheral neu (43%) Ongoing perip (19%) vs. n=59/ Secondary ma (4%) On-treatment	or the 5-year and follow-up time y propathy: n=443 (heral neuropath (659 (9%) lignancies: n=19 treatment-rela	alyses: 14 Sept was 60.9 mont ;/662 (67%) vs. hy at 5 years: r 9/662 (3%) vs. r ted deaths ⁵ : n:	tember :hs n=286/659 n=29/662 n=29/659 =8 vs. n=7				
()),,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	11-111		<u> </u>	,		Pa	tient-r	eported outcomes						
According to endpoints, re	the stu espectiv	udy proto vely. Curr	col, PRO per ently, results	EORTC-QLQ	-C30, PRO per F able.	ACIT-Dyspnea 10, PR	O per FA	CT-Ntx and patient-rep	orted healt	h utility values per E	EQ-5D were defi	ned as secondar	y and explorate	ory
					ES	MO-MCBS for Ha	ematol	ogical Malignanci	es Versio	n 1.0 [14]				
Scale	Int.	Form	MG ST	MG	HR (95% CI)	Sc	ore calcu	lation	PM	Tox	kicity	QoL	AJ	FM
Original	NC	28	-	93.9% vs. 89.4%	0.59 (0.40- 0.88)	Increase in 5-y patients ha	vear survi ave reach	val ≥10% (if >20% ed 5 years OS)	4		-	-	-	4
			- 				Risk of	f bias (RCT) [1 <u>5]</u>						
Adequate generation of randomisation sequence Adequate allocation concealment Blinding Selective outcome reporting unlikely Other aspects which increase the risk of bias Ris							Risk of bias							

no⁷

unclear⁸

yes⁹

randomisation sequence unclear⁶

-

high risk

⁵ A+AVD group: Cardio-respiratory arrest, histiocytosis haematophagic, respiratory failure, unknown, multiple organ dysfunction syndrome, myocardial infarction, neutropenic sepsis, septic shock (one patient each). ABVD group: Pneumocystis jirovecii pneumonia, pneumonia, cardiac arrest, pulmonary toxicity, pneumonitis, respiratory disorder (one patient each).

⁶ The randomisation scheme was generated by the sponsor. Before administration of study drugs, a randomisation number was assigned to each patient. The information about the sequence generation process is insufficient.

⁷ ECHELON-1 is an open-label trial.

⁸ The trial is currently ongoing; final analysis data is not available yet.

⁹ Data were verified and analysed by the sponsors and sponsor statisticians and interpreted by academic authors and representatives of the sponsor; medical writing was supported by funding from the sponsor.

unclear risk		high risk	unclear risk	high risk						
	Ongoing trials [16]									
NCT number/trial nar	NCT number/trial name Description									
NCT01712490/ ECHELO	N-1 Please see above.				01/2026					
NCT03907488	A phase III, randomized study of niv stage classical HL.	olumab plus AVD or Brentuximab \	Vedotin plus AVD in patients (≥1	2 years) with newly diagnosed advanc	ed 03/2024					
NCT02661503/ HD21 HD21 for advanced stages treatment optimization trial in the first-line treatment of advanced stage HL; comparison of 6 cycles of escalated 09/2025 BEACOPP with 6 cycles of BrECADD										
		Availabl	e assessments							
 In December 2020 previously untreat In June 2019, an e The National Insti No assessments w 	 In December 2020, CADTH published a "pERC Final Recommendation", a "Final Economic Guidance Report" and a "Final Clinical Guidance Report" for brentuximab vedotin for the treatment of previously untreated patients with stage IV HL in combination with doxorubicin, vinblastine, and dacarbazine [17]. In June 2019, an efficacy assessment was published by G-BA [18]. The National Institute for Health Research published "Brentuximab vedotin (Adcetris) for treatment-naïve Hodgkin's Lymphoma" in April 2017 [19]. 									
		Other aspec	ts and conclusions							
 In September 2023, the CHMP adopted an extension to an existing indication to include treatment of Stage III HL: Adcetris® is indicated for adult patients with previously untreated CD30+ Stage III or IV HL in combination with AVD. On 20 March 2018, the FDA approved brentuximab vedotin (Adcetris®) to treat adult patients with previously untreated stage III or IV CHL in combination with chemotherapy. ECHELON-1 (NCT01712490) is an ongoing, international, open-label, randomised, phase 3 trial, assessing the safety and efficacy of front-line A+AVD (brentuximab vedotin, doxorubicin, vinblastine, and dacarbazine) versus ABVD (doxorubicin, bleomycin, vinblastine, and dacarbazine) in patients with stage III or IV CHL. Patients aged ≥18 years with an ECOG PS of s2, with previously untreated stage III or IV cHL, histologically confirmed according to the current WHO classification were included. Patients with nodular lymphocyte predominant HL, with known crebral or meningeal disease, including signs or symptoms of PML and a pulmonary diffusion capacity > 25% lower than the normal predicted value were excluded. The primary endpoint was modified PFS; at a median follow-up of 60.9 months, 5-year PFS was 82.2% (95% CI 79.0-85.0) with A+AVD and 75.3% (95% CI, 71.7-78.5) with ABVD; HR 0.68 (95% CI 0.53-0.87); p=0.0017. Median PFS data was not reported. Currently, there is no data available regarding the patient-reported outcome endpoints defined in the study protocol. The ESMO-MCBS for Haematological Malignancies was applied, resulting in a final adjusted magnitude of clinical benefit of 4. The risk of bias of ECHELON-1 was considered high, which is based on the insufficient information on the sequence generation process, the open-label design of the trial and the participation of the sponsor in data analysis and -interpretation. Besides ECHELCELON-1, two further phase 3 trials, evaluating the efficacy and safety of brentuximab vedotin in										
					Last updated: 01/2024					
bbreviations: A+AVD=brentuximab vedotin, doxorubicin, vinblastine, and dacarbazine, ABVD=Adriamycin, Bleomycin, Vinblastin, Dacarbazin, AE=adverse event, AJ=adjustment, ALT=Alanine aminotransferase, ASCT=autologous stem cell "ansplant, AST=aspartate aminotransferase, BEACOPP=bleomycin, etoposide, adriamycin, cyclophosphamide, vincristine, procarbazine and prednisone, C=comparator, CADTH=Canada's Drug and Health Technology Agency, cHL=classical lodkin lymphoma, CHMP=Committee for Medicinal Products for Human Use, CI=confidence interval, CR=complete response, CRu=complete responses unconfirmed, EMA=European Medicines Agency, EORTC=European Organization for										

Research and Treatment of Cancer, EORTC-QLQ-C₃o=European Organization for the Research and Treatment of Cancer Quality of Life Questionnaire, ESMO-MCBS=European Society of Medical Oncology – Magnitude of Clinical Benefit Scale, FACIT=Functional Assessment of Chronic Illness Therapy, FDA=Food and Drug Administration, FM=final magnitude of clinical benefit grade, G-BA=Gemeinsamer Bundesausschuss, HL=Hodkin lymphoma, HR=hazard ratio, HSCT=hematopoietic stem cell transplantation, I=intervention, ICER=Institute for Clinical and Economic Review, Int.=intention, IPS=International Prognostic Score, ITT=intention-to-treat, IV=intervention, MG=median gain, n=number of patients, NICE=National Institute for Health Care Excellence, OS=overall survival, PE=primary endpoint, PET=positron emission tomography, PFS=progression-free survival, PM=preliminary grade, PTCL=peripheral T-cell lymphoma, QoL=Quality of Life, SAE=serious adverse event, sALCL=systemic anaplastic large cell lymphoma, ST=standard treatment, ULN=upper limit of normal, WHO=World Health Organisation.

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