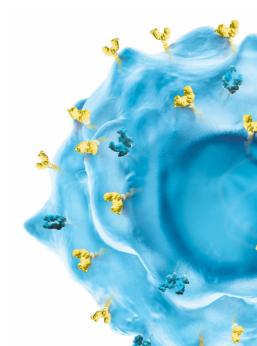


CAR T CELL THERAPY

for the treatment of recurrent/refractory (r/r) aggressive B-cell non-Hodgkin lymphoma as of 2L*

BROCHURE FOR REFERRING PHYSICIANS

INFORMATION ON THE THERAPY WITH BREYANZI® AND PATIENT CARE



^{*} For more extensive information on this indication, please see page 3 of this brochure

IS YOUR PATIENT ELIGIBLE FOR CAR T CELL THERAPY?

TREATMENT OF R/R AGGRESSIVE B-CELL NON-HODGKIN LYMPHOMA (B-CELL NHL) AS OF 2L* WITH BREYANZI® (LISOCABTAGENE MARALEUCEL)

BREYANZI® is a CD19-directed genetically modified autologous T cell immunotherapy comprised of chimeric antigen receptor (CAR)-positive, viable T-cells (comprising CD8+ and CD4+ cell components).¹

- * BREYANZI® is indicated for the treatment of adult patients with:
- diffuse large B-cell lymphoma (DLBCL), high grade B-cell lymphoma (HGBCL), or primary mediastinal large B-cell lymphoma (PMBCL) that is refractory to first-line chemoimmunotherapy or relapses within 12 months of first-line chemoimmunotherapy,¹
- relapsed or refractory (r/r) DLBCL, HGBCL or PMBCL after two or more lines of systemic therapy.¹



Highly efficacious anti-CD19 CAR T cell therapy with well controllable safety profile for the treatment of r/r B-cell-NHL patients as of 2L¹⁻⁴

2

MANY PATIENTS WITH R/R AGGRESSIVE B-CELL NHL MAY BENEFIT FROM CAR T CELL THERAPY1

PATIENTS BENEFIT FROM **EARLY PLANNING OF** CAR T CELL THERAPY

AUTOLOGOUS ALLOGENIC SCT* SCT*

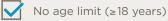


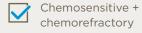




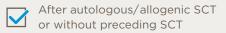
CAR T CELL THERAPY USING BREYANZI®

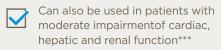


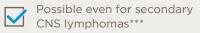












Treatment outcomes worsen with each subsequent recurrence and therapeutic urgency increases after each subsequent treatment.5

Early planning and good collaboration between referring and treating doctors may have a positive effect on treatment success. 6,7

CAR T cell therapy should be planned early so that leukapheresis can be performed as soon as possible to gain time.



Decide together

- whether or not the patient is eligible for CAR T cell therapy
- whether and what type of bridging therapy is required
- when cytotoxic T-cell therapy should be avoided

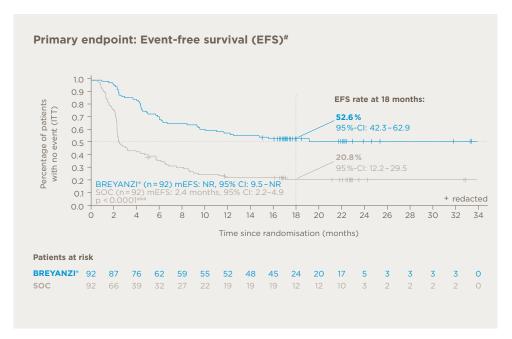
Patients may be eligible for CAR T cell therapy even if they are ineligible for haematopoietic stem cell transplantation.

- * SCT: Stem cell transplant.
- ** TRANSCEND-NHL-001 study: ECOG ≤2 during pre-screening.³ TRANSFORM study: ECOG ≤1 during pre-screening.2
- *** Patients with mild/moderate impairment of cardiac, hepatic and renal function, as well as with secondary CNS lymphomas, were included in the TRANSCEND-NHL-001 and TRANSFORM studies.^{2,3}

BREYANZI® - EFFICACY OUTCOMES IN 2L (TRANSFORM)²

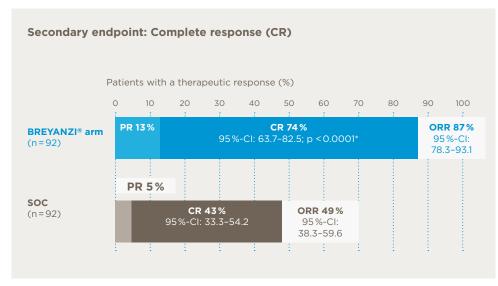
TRANSFORM is a global, randomised, open-label phase 3 pivotal study for direct comparison of BREYANZI® vs. Standard Of Care (SOC) in 2L-LBCL patients who were eligible for ASCT and who relapsed or became refractory to first-line chemoimmunotherapy within 12 months after its completion.²

BREYANZI® IN 2L - SIGNIFICANT SUPERIORITY COMPARED TO SOC AFTER ONLY A SINGLE INFUSION#,##,2



Cited with adjustments from [2]

HIGH RESPONSE RATE DURING TREATMENT WITH BREYANZI® – A BENEFIT OF 30% COMPARED TO SOC²



Cited with adjustments from [2]

^{*} The p value was compared with the level of significance of 0.021 that was prespecified for the primary analysis.²

^{*} Event-free survival (EFS) is defined as the time from randomisation to death from any cause, PD, non-achievement of CR or PR within 9 weeks after randomisation, or the start of antineoplastic therapy due to efficacy concerns, whichever occurs first.²

^{##} Determined by the Independent Review Committee (IRC) using the Lugano classification.¹⁵

^{***} The EFS was not formally reinvestigated at the time of the primary analysis.^{2,3}

BREYANZI® - GOOD RESPONSE IN 2L ACROSS DIFFERENT SUBGROUPS (TRANSFORM)²

A RESPONSE TO THERAPY WAS ALSO OBSERVED IN ALL INVESTIGATED SUBGROUPS, INCL. PATIENTS WITH THE FOLLOWING CHARACTERISTICS:*

- NHL histology types (DLBCL NOS de novo, DLBCL, HGBCL, PMBCL)
- Relapsed after or refractory to the previous treatment
- High tumour burden**
- <65 and ≥65 years
- ECOG PS (during screening) 0, 1
- sAAIPI: 0 or 1; 2 or 3
- Secondary CNS lymphoma

OTHER SELECTED SECONDARY ENDPOINTS²

The mPFS in patients treated with BREYANZI® was significantly# superior to SOC at a median follow-up of 17.5 months. OS tended to be numerically favourable in patients treated with BREYANZI®.²

Parameter	BREYANZI [®]	soc
mPFS, months (95 % CI)#.##	NR (12.6-NR)	6.2 (4.3-8.6)
PFS rate at 18 months, % (95% CI)	58.2 (47.7-68.7)	28.8 (17.7-40.0)
mOS, months (95 % CI)###	NR (29.5-NR)	29.9 (17.9-NR)
OS rate at 18 months, % (95% CI)	73.1 (63.9-82.3)	60.6 (50.2-71.1)
mOS, adjusted for crossover effect, months (95% CI)###	NR (29.5-NR)	NR (8.1-NR)
OS rate at 18 months, adjusted for crossover effect, % (95% CI)####	73.1 (63.9-82.3)	54.1 (43.1-65.2)

^{*} Other subgroups with a response to therapy in the TRANSCEND NHL 001 study of BREYANZI® in 3L were patients receiving bridging therapy, patients with secondary CNS lymphoma and patients with comorbidities, such as renal failure (creatinine clearance <60 mL/min), lactate dehydrogenase ≥500 U/L and heart failure (LVEF <50%).³

^{**} i. e., the total product diameter ≥ 50 cm².

[#] p < 0.0001. The p value was compared with the level of significance of 0.021 that was prespecified for the primary analysis.²

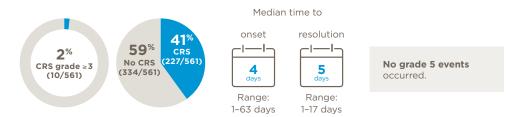
^{##} PFS is defined as the time from randomisation to death from any cause or PD, whichever occurs first.2

^{****} OS is defined as the time from randomisation to death from any cause.2

^{####} Crossover from the SOC arm to the BREYANZI[®] arm was allowed if no complete or partial response was achieved after three cycles of immunochemotherapy, or the disease progressed at any point in time, or a new antineoplastic therapy had to be initiated because no complete response had been achieved 18 weeks after randomisation.^{2,3}

SELECTED ADVERSE REACTIONS TO BREYANZI® THERAPY (POOLED DATA)^{1,#}

CYTOKINE RELEASE SYNDROME (CRS) OCCURRED IN 41% OF PATIENTS',",##



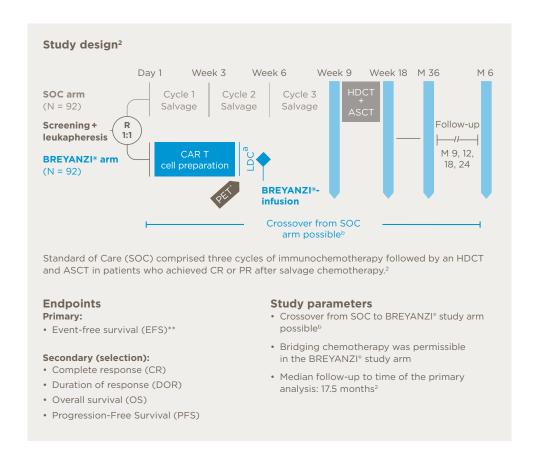
After BREYANZI® infusion, 21% (116/561) of patients received tocilizumab and/or a corticosteroid to treat CRS. The breakdown showed that 10% (55/561) received only tocilizumab, 9% (53/561) received tocilizumab and a corticosteroid and 1% (8/561) received only corticosteroids.¹

NEUROTOXICITY (NT) OCCURRED IN 24% OF PATIENTS*,**,##



- * You can obtain more information on potential adverse reactions from the Product Information on BREYANZI® at www.swissmedicinfo.ch.
- ## All savarities
- * Safety Set with no crossover from SOC to BREYANZI®.
- ** CRS was assessed using the criteria reported by Lee 201419.
- *** Defined as an investigator-identified neurological BREYANZI®-related adverse event, assessed using the National Cancer Institute Common Terminology Criteria for Adverse Events version 4.03.20

TRANSFORM (PHASE 3 PIVOTAL STUDY): STUDY DESIGN, ENDPOINTS AND PARAMETERS²



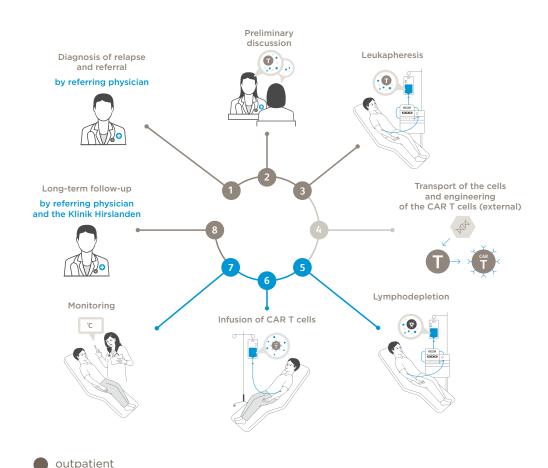
 $\textbf{ASCT:} \ \textbf{Autologous stem cell transplant;} \ \textbf{HDCT:} \ \textbf{High-dose chemotherapy;} \ \textbf{LDC:} \ \textbf{Lymphodepleting chemotherapy.}$

- * Positron emission tomography (only for patients who received bridging chemotherapy).
- ** Event-free survival (EFS) is defined as the time from randomisation to death from any cause, PD, non-achievement of CR or PR within 9 weeks after randomisation, or the start of antineoplastic therapy due to efficacy concerns, whichever occurs first.^{2,3}
- a LDC comprises fludarabine 30 mg/m 2 /day and cyclophosphamide 300 mg/m 2 /day over three days. $^{2.3}$
- b Crossover from the SOC arm to the BREYANZI* arm was allowed if no complete or partial response was achieved after three cycles of immunochemotherapy, or the disease progressed at any point in time, or a new antineoplastic therapy had to be initiated because no complete response had been achieved 18 weeks after randomisation.^{2,3}

10

PROCEDURE AND CARE DURING CAR T THERAPY IN THE KLINIK HIRSLANDEN^{1,8,9}

BREYANZI® - A CHANCE FOR LASTING REMISSION FOR PATIENTS WITH R/R NHL*,1-3



inpatient



A CD19-directed CAR T cell therapy comprised of CD8+ and CD4+ cell components¹



Superior efficacy to SOC** in 2L#,1,2

EFS | CR | PFS



Long persistence of CAR T cells

BREYANZI® detectable in peripheral blood for up to 24 months##,1



Authorised for an extensive patient cohort as 2L or greater*,2
DLBCL | HGBCL | PMBCL



Impressive, easily monitored safety profile###,1

	Grade ≥3	Grade 5		Grade ≥3	Grade 5
CRS	2%	0%	NT	9 %	0%

12

^{*} For more extensive information on this indication, please see page 3 of this brochure.

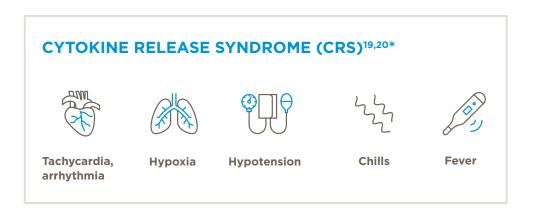
^{**} Salvage chemotherapy followed by HDCT and ASCT.

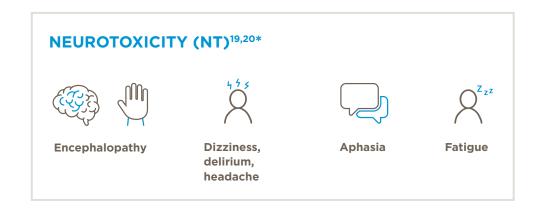
 $^{^{\#}}$ p < 0.0001 compared to SOC for EFS, CR and PFS. $^{1.2}$

^{##} data from the TRANSCEND-NHL-001 study.1

^{###} pooled data.

COMMON ADVERSE REACTIONS AND SYMPTOMS OF CAR T THERAPY





REFERENCES, SUCCINCT STATEMENT

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BREYANZI® (lisocabtagene maraleucel) ▼ This medicinal product is subject to additional monitoring. For more information, please refer to the Information for healthcare professionals for BREYANZI® at www.swissmedicinfo.ch. I: in adults with diffuse large B-cell lymphoma (DLBCL), high grade B-cell lymphoma (HGBCL), or primary mediastinal large B-cell lymphoma (PMBCL) that is refractory to first-line chemoimmunotherapy or relapses within 12 months of first-line chemoimmunotherapy; or with relapsed or refractory (r/r) DLBCL, HGBCL or PMBCL after two or more lines of systemic therapy. D: the target dose is 100 × 106 CAR-positive viable T cells (consisting of a 1:1 target ratio of CD8+ and CD4+ cell components) within a range of 44 to 120×106 CAR-positive viable T cells. To be administered under the direction and supervision of a trained physician at a qualified treatment center. CI: hypersensitivity to active substances/excipients. Also note contraindications for lymphodepleting chemotherapy. W&P: cytokine release syndrome (CRS) and neurological toxicities with life-threatening reactions have occurred after treatment with BREYANZI®. Patients should be monitored daily for at least the first week after the infusion. Two doses of tocilizumab and access to another dose within 8h need to be available. Allergic reactions and virus reactivations (HBV) may occur. Severe infections and febrile neutropenia have been observed. Risk of prolonged cytopenia and hypogammaglobulinemia. Patients may develop secondary malignancies. No administration to patients with active infections or inflammatory diseases. There are no data on the use of BREYANZI® in primary CNS lymphomas, heart lymphomas and CD19-negative DLBCL. Treatment with BREYANZI® may lead to tumor lysis syndrome (TLS). The lentivirus used to make BREYANZI® may give false positive results for some HIV nucleic acid tests. Vaccination with live viral vaccines should be avoided 6 weeks before treatment. The donation of blood, organs, tissues and cells is prohibited. IA: No interaction studies have been conducted. Theoretical risk that anti-EGFR monoclonal antibodies could reduce the number of BREYANZI® cells and thus decrease their benefit, as a shortened EGFR is expressed on CAR T cells. AE: infections, decreased blood cell count, hypofibrinogenemia, CRS, hypogammaglobulinaemia, hypophosphataemia, insomnia, anxiety, delirium, headache, encephalopathy, dizziness, tremor, aphasia, peripheral neuropathy, visual disturbances, ataxia, dysgeusia, cerebellar syndrome, cerebrovascular disease, seizure, tachycardia, arrhythmia, hypotension, hypertension, thrombosis, cough, dyspnoea, pleural effusion, hypoxia, nausea, constipation, diarrhoea, abdominal pain, vomiting, gastrointestinal bleeding, rash, acute kidney injury, fatigue, pyrexia, oedema, chills, infusion-related reactions. P: BREYANZI® is available in cryopreservation vials. Each vial contains 4.6 ml of cell dispersion (separate CD8+ and CD4+ cell components) (A). Detailed information: Information for Healthcare Professionals at www.swissmedicinfo.ch. MAH: Bristol-Myers Squibb SA, Hinterbergstrasse 16, 6312 Steinhausen. Version 09/2023.

in cooperation with:





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^{*} Not an exhaustive list of CRS and NT symptoms.

CONTACT



Find out more about CAR T cell therapy using the QR code. For questions and referrals regarding cell therapy at the Klinik Hirslanden, the team of physicians involved in the medical programme for cell therapy would be pleased to help you by phone at +41 (0)44 387 37 80 or by email.



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