

Breadcrumb

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Major achievements

In 2023 the LWP was able to improve its performance in the most important field of CART therapy.

Two projects – TransCART (CART and allo SCT in 3L treatment of LBCL) and CART in r/r LBCL with CNS involvement – were selected by the GoCART Coalition for funding

as high priority projects. The results of the TransCART were presented at the 49th Annual Meeting of the EBMT in April 2023. IPI at the time of cell therapy was established as an important prognostic tool. CART therapy is especially effective in patients with r/r LBCL and limited adverse prognostic factors. In high-risk r/r LBCL is still a mostly unmet medical need as the relapse incidence (RI) of CART is high (> 60%). Due to its high anti-lymphoma activity but high toxicity allogeneic SCT remains a valuable therapeutic modality e.g. after CART failure.

We performed a retrospective RWE study in patients with r/r LBCL and CNS involvement. With an PFS of 30% and OS of 52% at one year, we could demonstrate that CART in this clinical situation is as effective as in patients without CNS involvement. The results compare favourably to those obtained with other clinical modalities obtained in the same clinical situation. The CART-CNS project was an oral presentation at ASH 2023. A manuscript is preparation.

A third CART related project compared the results of CART treatment with brexucabtagene autoleucel (brexu-cel) in r/r mantle cell lymphoma within the clinical phase II study ZUMA-2 with allogeneic SCT in comparable clinical situation treated by allogeneic SCT registered in the EBMT registry. Brexu-cel was superior in terms of OS (81.3% vs 59.2 % @ 1year) and showed a significantly lower NRM (7.1 vs 21,2 % at 1 year) compared to allogeneic SCT. However, there was no significant difference in PFS and ongoing relapses were seen after brexu-cel whilst the incidence of relapse after two years was every low after allogeneic SCT.

To give a benchmark for further clinical studies and retrospective analysis, we analysed the outcome of autologous and allogeneic SCT in DLBCL. It could show continuously better results for autologous SCT over time but decreasing use with the upcoming CART therapy.

Another group of studies focuses on Hodgkin's lymphoma and the embedding of cellular therapy onto complex treatment algorithms with other modern non-cellular therapies. A joint EBMT / CIBMTR analysis showed that prior use of checkpoint inhibitors significantly improves the results of subsequent allogeneic SCT substantially and may establish a new stand of care for advanced r/r HL.

Ongoing projects focus on the role of CPI and Brentuximab vedotin prior and after autologous SCT.

Another retrospective analysis compared the results of haploidentical versus MUD (8/8 HLA match) allogeneic SCT in lymphomas using post-transplant cyclophosphamide as GVHD prophylaxis. In contrast to the results found e.g. in acute leukaemia, MUD was superior to haploidentical SCT in terms of OS and PFS mostly due to lower incidence of severe GVHD and NRM.

In fields in which the success of new agents is missing, analysis of classical allogeneic and autologous SCT remains of major importance for clinical decision-making. One of these fields is treatment of T cell lymphoma. We started a couple of analysis on the role of allogeneic and autologous SCT in T-NHL and other rare diseases. With the largest cohort of patients analysed so far, we could show that allogeneic stem cell transplantation is of high efficacy. With a 3 years PFS and OS of 48.6% and 55.6% and no relapses beyond 3 years allogeneic SCT was confirmed to be standard of care in r/r NK/T cell lymphoma with curative potential.

Principal research studies

Long-term survival after autologous or allogeneic transplantation for T-cell lymphoma: a retrospective analysis of the EBMT-Lymphoma Working Party
Study type
Retrospective Studies
Diseases
Non-Hodgkin’s Lymphoma (NHL)
Group
Lymphoma Working Party (LWP)
Type of treatment
Allogeneic
Autologous
Principal investigator
E. Shumilov
Outcomes of Autologous and Allogeneic Stem Cell Transplantation in Patients with Hepatosplenic T-cell Lymphoma (HSTCL)
Study type
Retrospective Studies
Diseases
Non-Hodgkin’s Lymphoma (NHL)
Group
Lymphoma Working Party (LWP)

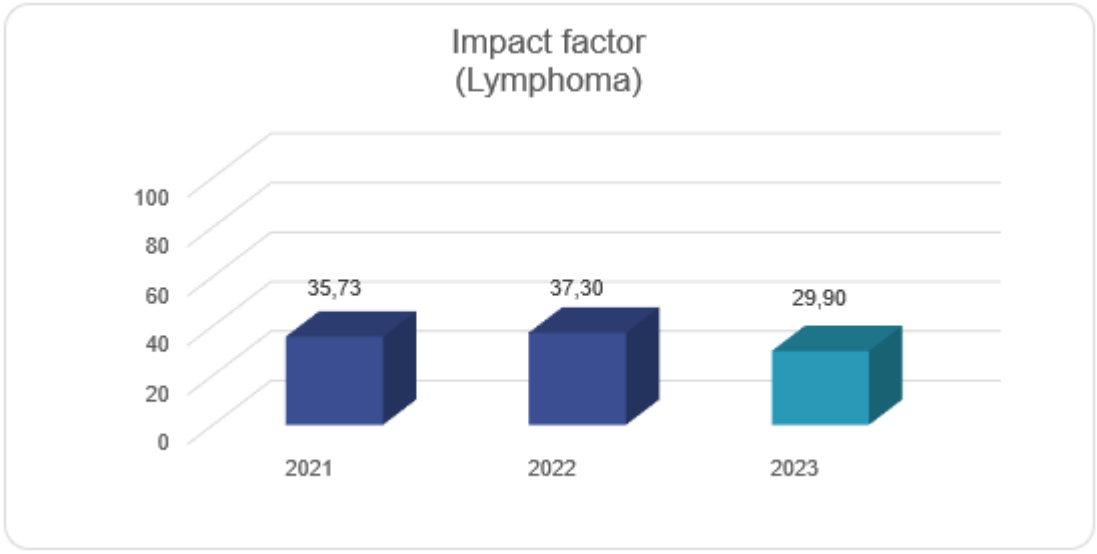
Type of treatment
Allogeneic
Autologous
Principal investigator
Imke E. Karsten
Allogeneic Hematopoietic Cell Transplantation and CAR-T therapy for T-cell/histiocyte-rich Large B-cell Lymphoma (THRLBCL) A Retrospective Study of the EBMT Lymphoma Working Party
Study type
Retrospective Studies
Diseases
Non-Hodgkin’s Lymphoma (NHL)
Group
Lymphoma Working Party (LWP)
Type of treatment
Allogeneic
CAR T
Principal investigator
Simon Renders, MD
Trends in Hematopoietic Stem Cell Transplantation for Patients with Diffuse Large B-Cell Lymphoma. A Retrospective Analysis of the Lymphoma WP of the EBMT
Study type
Retrospective Studies
Diseases
Non-Hodgkin’s Lymphoma (NHL)
Group
Lymphoma Working Party (LWP)
Type of treatment
Allogeneic
Autologous
Principal investigator
Norbert Schmitz, Anna Sureda
Post-transplantation cyclophosphamide-based after HLA-matched versus haploidentical donor transplants in patients with Hodgkin lymphoma: a comparative study of the LWP EBMT
Study type
Retrospective Studies
Diseases

Non-Hodgkin’s Lymphoma (NHL)
Group
Lymphoma Working Party (LWP)
Type of treatment
Allogeneic
Allogeneic - Haploidentical
Autologous
Principal investigator
Dr. Juan Montoro

Key publications

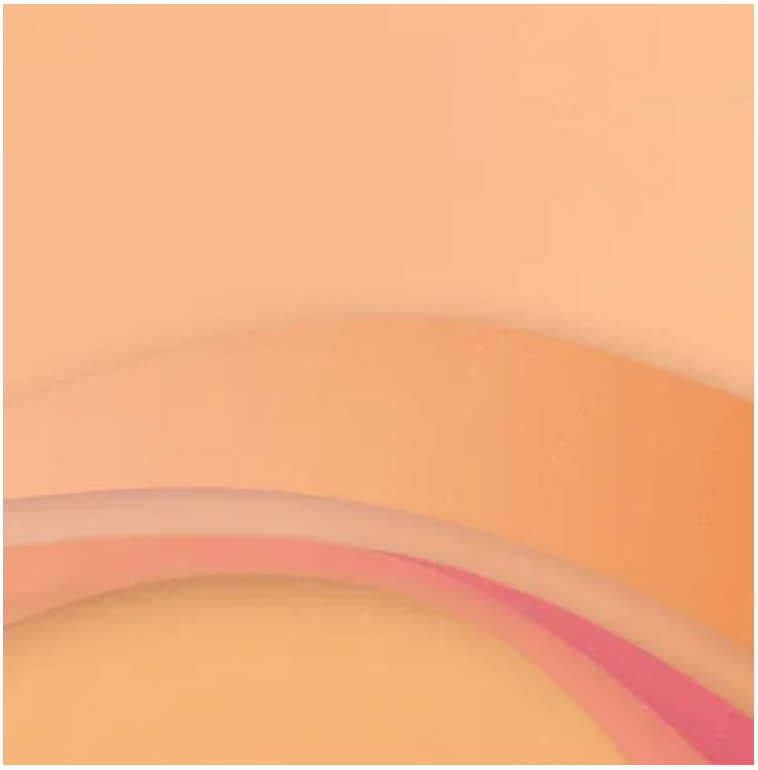
2023
Allogeneic hematopoietic stem cell transplantation for NK/T-cell lymphoma: an international collaborative analysis
Group
Lymphoma Working Party (LWP)
Other society
1st listed author
Philipp Berning
Journal
Leukemia.
2024
Graft-versus-host-disease prophylaxis with ATG or PTCY in patients with lymphoproliferative disorders undergoing reduced intensity conditioning regimen HCT from one antigen mismatched unrelated donor
Group
Lymphoma Working Party (LWP)
1st listed author
Annalisa Paviglianiti
Journal
Bone Marrow Transplant.
2023
Post-transplant cyclophosphamide-based graft-versus-host disease prophylaxis in HLA-matched and haploidentical donor transplants for patients with Hodgkin lymphoma: a comparative study of the LWP EBMT.: GVHD prophylaxis for patients with Hodgkin lymphoma
Group

Lymphoma Working Party (LWP)
1st listed author
J Montoro
Journal
Transplant Cell Ther.
2023
Organ complications after CD19 CAR T-cell therapy for large B cell lymphoma: a retrospective study from the EBMT transplant complications and lymphoma working party
Group
Complications Working Party (CWP)
Lymphoma Working Party (LWP)
1st listed author
Olaf Penack
Journal
Front Immunol.
2023
Haploidentical Versus Matched Unrelated Donor Transplants Using Post-Transplantation Cyclophosphamide for Lymphomas
Group
Lymphoma Working Party (LWP)
1st listed author
Alberto Mussetti
Journal
Transplant Cell Ther.



2021 2022 2023

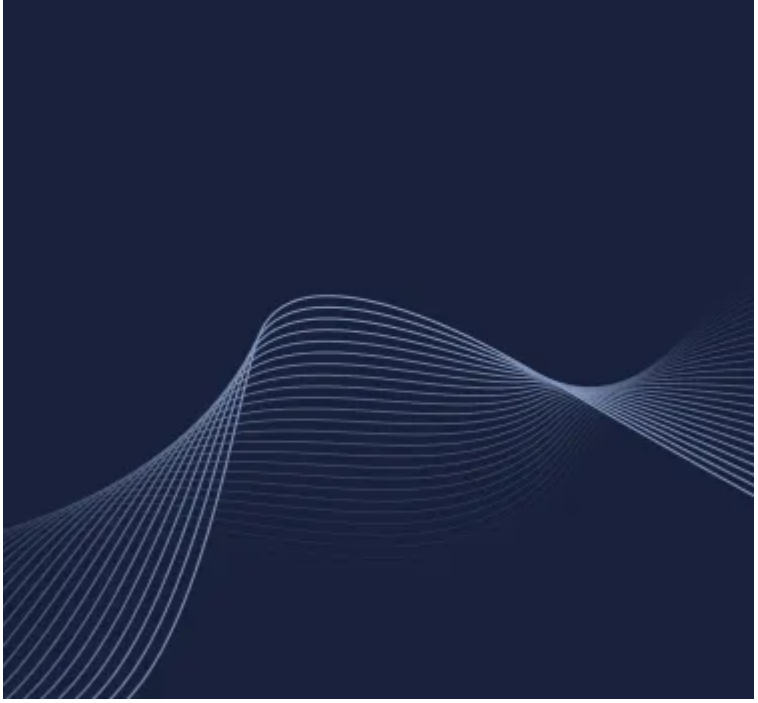
Oral presentations	1	2	**10**
Poster presentations	0	3	**5**
Educational events	1	1	**1**



Event

49th Annual Meeting of the EBMT

Apr 23, 2023 - Apr 26, 2023 / Paris, France
Discover more



Event

Lymphoma Working Party Educational Course 2023

Nov 15, 2023 - Nov 17, 2023 / Warsaw, Poland
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VISIT THE LWP WEBPAGE