EBMT Annual report 2024



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Krzysztof Kalwak PDWP Chair (ELECTED APRIL 2023, PREVIOUS CHAIR: Selim Corbacioglu) Germany

Major achievements

The second year of the term under Chairman Krzysztof Kalwak was characterised by significantly increased scientific activity, with a total impact factor of 79.10. **Publications in high-ranking journals** (*Blood, Leukemia, Am J Hematol*, et al.), along with growing collaborative efforts—both in Europe and intercontinentally—produced excellent results. **PDWP-conducted studies** were

also presented at the 2024 ASH Meeting in San Diego, in the Oral and Poster Sessions (see news article).

The Paediatrics' Day at the 50th Annual Meeting of the EBMT was exceptionally well-attended, and two young colleagues—Francesca del Bufalo and Rob Chiesa—received the prestigious **Dietrich-Niethammer Award** for their exceptional scientific achievements, including publications in *NEJM* (read more here).



DIETRICH NIETHAMMER AWARD to Francesca Del Bufalo (Italy) for the presentation titled: CAR-T cells for relapsed or refractory neuroblastoma – a hype or hope?



DIETRICH NIETHAMMER AWARD to Robert Chiesa (United Kingdom) for the presentation titled: Base edited CD7 CAR-T cell therapy in relapsed T-ALL

Among the numerous studies conducted by the Working Party, an **impactful investigation** comparing leukaemia-free survival outcomes between the TCR α S/CD19+ depletion approach and the PTCY approach in paediatric HLA-haploidentical transplants has recently been initiated.

On the education front, the **9th International Transplant and Cellular Therapy Course** featured an **extensive paediatric programme** that occupied almost an entire day of the event.

A major educational event was organised as a joint meeting with TCWP for November 2024. However, it had to be cancelled at the last minute due to a weather emergency in Malaga, Spain. The exciting meeting on complications in CAR T-cell therapy took place in January 2025.

Principal research studies

Outcomes of pediatric patients with acute leukemias who received either post-transplant cyclophosphamide or a haploidentical transplant with TCR $\alpha\beta$ /CD19+lymphocyte depletion

Study type

Retrospective Studies

Diseases

Acute Lymphatic Leukaemia (ALL)

Acute Myeloid Leukaemia (AML)

Group

Paediatric Diseases Working Party (PDWP)

Type of treatment

Allogeneic - Haploidentical

Principal investigator

Franco Locatelli

Treo versus Bu-based Conditioning Regimens for First Allogeneic SCT in Children

with AML in Complete Remission

Study type

Retrospective Studies

Diseases

Acute Myeloid Leukaemia (AML)

<u>Group</u>

Paediatric Diseases Working Party (PDWP)

Type of treatment

<u>Allogeneic</u>

Principal investigator

Hemalatha G Rangarajan

ALL study, patients transplanted between 2 and 4 years old

Study type

Retrospective Studies

<u>Diseases</u>

Acute Lymphatic Leukaemia (ALL)

<u>Group</u>

Paediatric Diseases Working Party (PDWP)

Type of treatment

<u>Allogeneic</u>

Principal investigator

Krzysztof Kalwak

Use of Letermovir after transplant in pediatric patients

Study type

Retrospective Studies

Diseases

All diseases

Group

Paediatric Diseases Working Party (PDWP)

Type of treatment

Allogeneic

Principal investigator

Giovanna Lucchini (London)

Impact of Different Conditioning Regimens Administered for SCT in Pediatric Chronic

Myeloid Leukemia (CML) CML

Study type

Retrospective Studies

Diseases

Chronic Myeloid Leukaemia (CML)

Group

Paediatric Diseases Working Party (PDWP)

Type of treatment

Allogeneic

Principal investigator

Meinolf Suttorp

Key publications

2024

Outcomes of hematopoietic stem cell transplantation in 813 pediatric patients with

Fanconi anemia

Group

Severe Aplastic Anaemia Working Party (SAAWP)

Paediatric Diseases Working Party (PDWP)

1st listed author

Su Han Lum

<u>Journal</u>

Blood.

<u>2024</u>

<u>Graft-versus-host disease after anti-CD19 chimeric antigen receptor T-cell therapy</u> following allogeneic hematopoietic cell transplantation: a transplant complications

and paediatric diseases working parties joint EBMT study Group Transplant Complications Working Party (TCWP) Paediatric Diseases Working Party (PDWP) 1st listed author Guillermo Ortí Journal Leukemia. 2024 HLA-haploidentical stem cell transplantation in children with inherited bone marrow failure syndromes: A retrospective analysis on behalf of EBMT severe aplastic Anemia and pediatric diseases working parties Group Severe Aplastic Anaemia Working Party (SAAWP) Paediatric Diseases Working Party (PDWP) 1st listed author Stefano Giardino Journal Am J Hematol. 2024 Outcomes of allogeneic haematopoietic cell transplantation for myelofibrosis in children and adolescents: the retrospective study of the EBMT Paediatric Diseases WP Group Paediatric Diseases Working Party (PDWP) 1st listed author Jacek Wachowiak Journal Bone Marrow Transplant. 2024 Outcomes of patients undergoing allogeneic haematopoietic stem cell transplantation for congenital amegakaryocytic thrombocytopenia; a study on behalf of the PDWP of the EBMT Group Paediatric Diseases Working Party (PDWP) 1st listed author

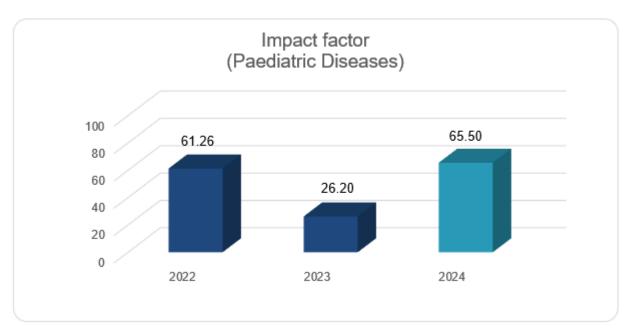
Clémence Aldebert

Iournal

Bone Marrow Transplant. See the full list of the PDWP 2024 publications



Indicators



2022 2023 2024

Oral presentations 10 2 5
Poster presentations 3 2 4
Educational events 1 1 1



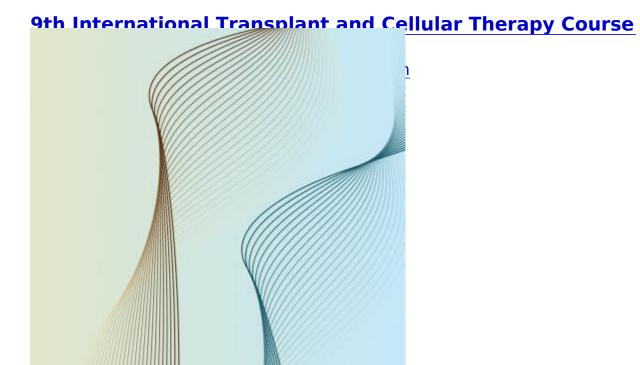
Event

50th Annual Meeting of the EBMT

Apr 14, 2024 - Jun 17, 2024 / Glasgow, United Kingdom Discover more



Event



Event

RESCHEDULED Complications post CAR-T Cell Therapy in Paediatric and Adult Patients

Jan 16, 2025 - Jan 18, 2025 / Málaga, Spain <u>Discover more</u> VISIT THE PDWP WEBPAGE