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Major achievements

Although affected by the COVID-19 pandemic as everyone in the world, the CTIWP remained active in 2020.

Registrations of CAR-T Cells treated patients continued and reached the milestone of 1,000 patients in December. The CTIWP largely contributed to the production of the

first reports for Post-Authorization Safety Studies sent to Novartis and Kite / Gilead, using aggregated data, while the CTO worked hard to establish contracts with CAR-T Cells treating center in order to establish conditions that allow secondary use of data and center compensation, with a view to further improve the quality and utility of collected data. Scientific priorities, data access, Cellular Therapy Form revisions, harmonization of center qualification criteria and processes are some of the topics and work packages included in the GoCART initiative that aims to bring all interested parties in the field of Immune Effector Cells – particularly CAR-T Cells – to join forces and cooperate in order to fully measure the medical value of these innovative therapies and remain competitive with our colleagues in the rest of the world

Meanwhile, the CTIWP continues to explore the field of autologous and allogeneic hematopoietic cell transplantation, and several studies were pursued or initiated in 2020.

Principal research studies

1. A survey of immune monitoring practices for viral infections post-HSCT in Europe (L Vago & R Greco and others, Immune Monitoring Subcommittee). Collecting data.
2. A study of immune reconstitution post allogeneic hematopoietic cell transplant (M Cavazzan, A Toubert, L Vago R Grecco, F Simonetta, J Kuball and others, Immune Monitoring Subcommittee). Collecting data.
3. A study of the consequences of donor-recipient HLA matching on the outcome of allogeneic hematopoietic stem cell transplantation from unrelated donors (K Fleischhauer et al. Immunogenetics subcommittee, in collaboration with DKMZ). Manuscript in preparation.
4. Evaluation of Killer Cell Immunoglobulin-like receptor HLA class I ligand models for donor selection (J Schettelig and others; Immunogenetics Subcommittee, I. collaboration with DKMZ and with CIBMTR). Data analysis.
5. A survey of ongoing studies evaluating mesenchymal stem cells in Europe. Part I: manufacturing capacities. Part II: clinical studies, focusing on the use of MSC for GVHD (F Dazzi et al, Immune Tolerance Subcommittee). Data analysis.
6. A survey of donor lymphocyte infusions following haplotype-mismatched hematopoietic cell transplantation (N Santoro, Immune Effector Cells subcommittee). Manuscript in preparation

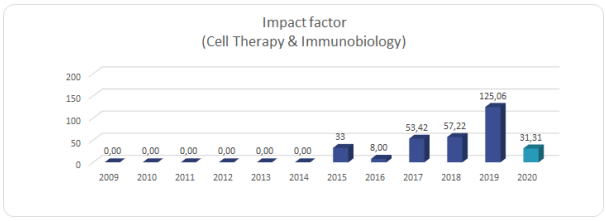
7. A survey to define the impact of SARS-COV-2 on delivery of CAR T cell therapy in Europe (S Gorashian, F Malard, Meltem Kurt Yuksel and others; Immune Effector Cells Subcommittee). Data analysis.
8. Use of the HLA-B leader to optimize cord-blood transplantation (Annalisa Ruggeri, E Gluckman, Stem Cell Subcommittee; collaboration with the Fred Hutchinson Cancer Research Center, E Petersdorf). Published.
9. A survey on cell therapy in solid tumors, launched together with ESMO. (Solid Tumors Subcommittee, P Pedrazzoli) Collecting data.

Key publications

2020
The EBMT activity survey on hematopoietic-cell transplantation and cellular therapy 2018: CAR-T's come into focus.
Group
Activity survey office
1st listed author
Passweg JR
Journal
Bone Marrow Transplant.
2020
Use of the HLA-B leader to optimize cord-blood transplantation
Group
Cellular Therapy & Immunobiology Working Party (CTIWP)
1st listed author
Effie W Petersdorf
Journal
Haematologica.
2020
Opportunities and challenges associated with the evaluation of chimeric antigen receptor T cells in real-life
Group
Cellular Therapy & Immunobiology Working Party (CTIWP)
1st listed author
Eoin McGrath
Journal
Curr Opin Oncol.

2020
Haematopoietic stem cell transplantation in adult soft-tissue sarcoma: an analysis from the European Society for Blood and Marrow Transplantation
Group
Cellular Therapy & Immunobiology Working Party (CTIWP)
1st listed author
Christoph E Heilig
Journal
ESMO Open.
2020
Post-transplantation Cyclophosphamide GvHD Prophylaxis After Hematopoietic Stem Cell Transplantation From 9/10 or 10/10 HLA-matched Unrelated Donors for Acute Leukemia
Group
Acute Leukemia Working Party (ALWP)
Cellular Therapy & Immunobiology Working Party (CTIWP)
1st listed author
Francesca Lorentino
Journal
Leukemia.
2020
Reduced-intensity versus myeloablative conditioning in cord blood transplantation for AML (40-60 years) across highly mismatched HLA barriers - On behalf of Eurocord and the Cellular Therapy & Immunobiology Working Party (CTIWP) of EBMT
Group
Cellular Therapy & Immunobiology Working Party (CTIWP)
Other society
1st listed author
Vipul Sheth
Journal
Biol Blood Marrow Transplant.
See the full list of the CTIWP 2020 publications





	2015	2016	2017	2018	2019	2020
Oral presentations	4	1	7	3	16	**8**
Poster presentations	4	8	3	2	2	**1**
International educational events	1	1	3	6	6	**4**

Major educational courses

1. 2nd European CAR T Cell Meeting – Jan 30, 2020 - Feb 1, 2020 / Sitges, Spain.
2. Delivery of the Jon van Rood Award to Cristina Toffalori, EBMT 46th Annual Meeting - Aug 29 – Sep 1, 2020 / [Virtual].
3. 9th Cell Therapy Day, EBMT 46th Annual Meeting - Aug 29 – Sep 01, 2020 / [Virtual].