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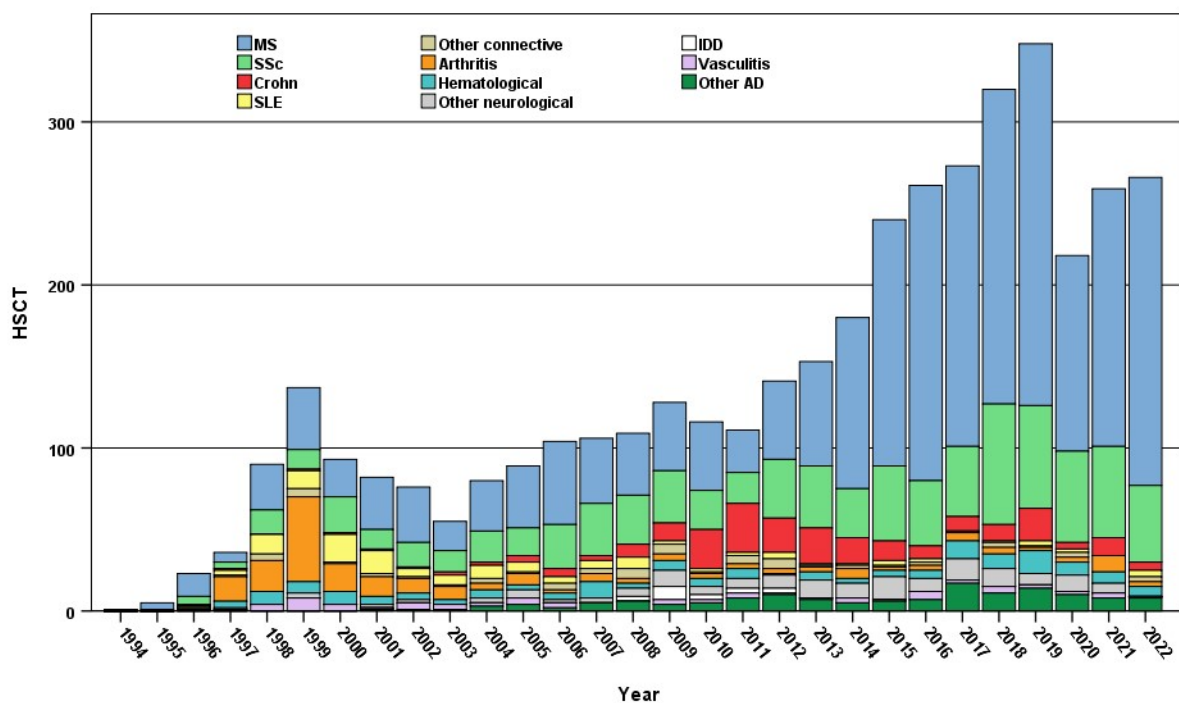
Raffaella Greco
ADWP Chair
Italy

Major achievements

Over the last 25 years, hematopoietic stem cell transplantation (HSCT) has been increasingly used to treat patients affected by severe and refractory autoimmune diseases (ADs). HSCT for ADs is recently facing a unique developmental phase across EBMT centres. Autologous HSCT has become an integral and standard-of-care

part of treatment algorithms in multiple sclerosis (MS) and systemic sclerosis (SSc). Recently, novel cellular therapies (i.e. CAR-T cells, mesenchymal cells) have been successfully adopted in ADs.

The EBMT Autoimmune Diseases Working Party (ADWP) has been central to development of these approaches. The ADWP is dedicated to promoting clinical activities, teaching and translational research on autologous/allogeneic HSCT together with novel approaches of cellular therapy as specific treatment of severe ADs, in a specific challenge to re-induce self-tolerance by resetting the immune system. The ADs section of the EBMT Registry is the largest database of its kind worldwide, with over 4,100 HSCT registrations for ADs.



HSCT registrations for ADs Dec. 2022

A multidisciplinary approach is key in this field, and the ADWP is continuing to expand the evidence-base and support best practice with studies and guidelines, including significant collaborative outputs with other EBMT Working-Parties, JACIE, Trainee-Committee and the Nurses-Group.

Education is central in ADWP activities, including a successful [ADWP Educational Meeting](#) in London, and a workshop hosted by ECTRIMS: [Autologous Haematopoietic Stem Cell Transplantation for Treatment of MS and Related Diseases](#). Moreover, a section specifically designed for ADs was developed within the EBMT e-learning

platform, including a recent webinar on 'autologous HSCT in MS' with key experts in the field.



Principal research studies

[Comparison of Cyclophosphamide/ATG vs BEAM/ATG conditioning regimens in autologous HSCT for Multiple Sclerosis](#)

[Study type](#)

[Retrospective Studies](#)

[Diseases](#)

[Auto immune disorders](#)

[Group](#)

[Autoimmune Diseases Working Party \(ADWP\)](#)

[Type of Stem Cell Treatment](#)

[Autologous](#)

[Principal investigator](#)

[Riccardo Saccardi](#)

[LATE COMPLICATIONS AFTER AUTOLOGOUS HSCT FOR AUTOIMMUNE DISEASES: a retrospective survey from the Autoimmune Diseases Working Party \(ADWP\) and Transplant Complications Working Party \(TCWP\) of the European Society for Blood and Marrow Transplantation \(EBMT\)](#)

[Study type](#)

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[Autoimmune Diseases Working Party \(ADWP\)](#)

[Transplant Complications Working Party \(TCWP\)](#)

[Paediatric Diseases Working Party \(PDWP\)](#)

[Type of Stem Cell Treatment](#)

[Autologous](#)

[Principal investigator](#)

[Kirill Kirgizov](#)

[Post AHSCT \(Autologous Hematopoietic Stem Cell Transplantation\) management for patients with systemic sclerosis: a prospective, non-interventional approach across Europe \(NISSC-2\)](#)

[Study type](#)

[Non-interventional Prospective Studies](#)

[Diseases](#)

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[Principal investigator](#)

[Pr Dominique Farge](#)

[Observational Study in Multiple Sclerosis patients treated with autologous hematopoietic stem cell Transplantation \(OMST\)](#)

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[Non-interventional Prospective Studies](#)

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[Incidence and outcome of CMV and EBV reactivations after autologous HSCT for autoimmune diseases: a retrospective survey from the Autoimmune Diseases Working Party \(ADWP\) of the European Society for Blood and Marrow Transplantation \(EBMT\)](#)

[Study type](#)

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[Diseases](#)

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[Autoimmune Diseases Working Party \(ADWP\)](#)

[Type of Stem Cell Treatment](#)

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[Principal investigator](#)

[Tobias Alexander](#)

Key publications

[2022](#)

[Hematopoietic stem cell transplantation and cellular therapies for autoimmune diseases: overview and future considerations from the Autoimmune Diseases Working Party \(ADWP\) of the European Society for Blood and Marrow Transplantation \(EBMT\)](#)

[Group](#)

[Autoimmune Diseases Working Party \(ADWP\)](#)

[1st listed author](#)

[Tobias Alexander](#)

[Journal](#)

[Bone Marrow Transplant.](#)

[2022](#)

[New insights in systemic lupus erythematosus: From regulatory T cells to CAR-T-cell strategies](#)

[Group](#)

[Autoimmune Diseases Working Party \(ADWP\)](#)

[1st listed author](#)

[Matteo Doglio](#)

[Journal](#)

[J Allergy Clin Immunol.](#)

[2022](#)

[Immune Reconstitution Following Autologous Hematopoietic Stem Cell Transplantation for Multiple Sclerosis: A Review on Behalf of the EBMT Autoimmune Diseases Working Party](#)

[Group](#)

[Autoimmune Diseases Working Party \(ADWP\)](#)

[1st listed author](#)

[Maria Teresa Cencioni](#)

Journal

Front Immunol.

2022

Haematopoietic stem cell transplantation for severe autoimmune diseases in children: A review of current literature, registry activity and future directions on behalf of the autoimmune diseases and paediatric diseases working parties of the European Society for Blood and Marrow Transplantation

Group

Autoimmune Diseases Working Party (ADWP)

Paediatric Diseases Working Party (PDWP)

1st listed author

Federica R. Achini-Gutzwiller

Journal

BJHaem

2022

Hematopoietic Stem Cell Transplantation and Cellular Therapies for Autoimmune Diseases

Group

Autoimmune Diseases Working Party (ADWP)

1st listed author

Richard K. Burt, Dominique Farge, Milton A. Ruiz, Riccardo Saccardi, John A.

Snowden

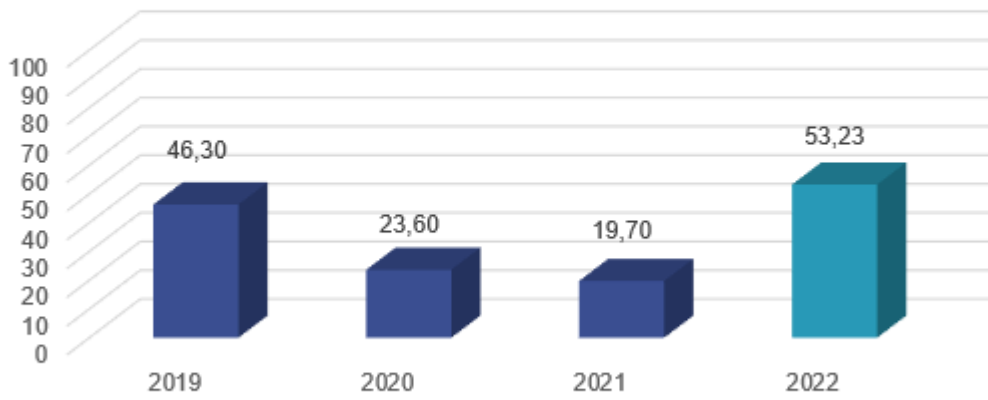
Journal

Routledge

See the full list of the ADWP 2022 publications



Impact factor (Autoimmune Diseases)



2019 2020 2021 2022

Oral presentations 16 10 19 **22**

Poster presentations 2 2 1 **1**

International educational events 1 1 2 **3**



[Event](#)

Virtual 48th Annual Meeting of the EBMT



Event

Autoimmune Diseases Working Party Educational Meeting

Sep 22, 2022 - Sep 23, 2022 / London, United Kingdom

Discover more

Webinars and e-courses

HSCT in Autoimmune Diseases E-Course

Panel Discussion: Autologous HSCT in Multiple Sclerosis

VISIT THE ADWP WEBPAGE