WMDA Scientific Publications & Recommendations

This webpage is based on the chapters of the WMDA handbook with the title *'A Gift for Life'*

Visit the code of conduct to review WMDA policies, click here.

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WMDA Scientific Publications and Recommendations by subject

General Organisation of a Registry

WMDA Standard	Responsible Pillar	Title and link to document	Explanation	Status
1.03	Global Development	Global Trends Report of WMDA	Annual publication presenting the unrelated stem cell donor activity on a global scale.	Current (2021)
1.06	Quality	Donor Centre Audit *Bone Marrow Transplantation (2022) 57:466–472*	Guidelines on how to review a donor centre including a checklist	Current (2022)
2.10 2.10.1	Quality	WMDA Quality Manual Notification and request for information regarding problems between registries	A template for a quality manual for registries and cord blood banks. A template for registry to registry problem management communication. Notification and request for information regarding a problem arising	Current(2020) Current (2020)
2.10.2	Quality	World marrow donor association crisis response, business continuity, and disaster recovery guidelines. *Biology of Blood and Marrow Transplantation (2012) 18: 1785-1789*	This paper cover the minimal requirements of preparedness in prevention and mitigation, crisis response, business continuity, and disaster recovery, and the need for continued maintenance and revision. Issues of international cooperation are addressed as well. Visit as well the following webpage: https://share.wmda.info/x/dQAOEw	Current (2020)
Related donors	Donor Care	Family donor care management: principles and recommendations *Bone Marrow Transplantation (2010) 45: 1269-1273*	This publication encourages increased collaboration between those caring for related and unrelated donors. It recommends that related donor care build on the extensive work which has already been undertaken in the unrelated donor field to homogenize care.	Current (2021)
Related donors	Donor Care	Related hematopoietic cell donor care: is there a role for unrelated donor registries? *Bone Marrow Transplantation (2015) 50: 637-641*	Paper outlining ways to enhance and homogenise related donor care and registries can play a role in counselling related donors and in collecting their hematopoietic stem cells.	Current (2018)

1.07	Quality	Criteria for Evaluation of Transplant Centres	Develop criteria and a form to evaluate transplant centres (TC) in the following situations:
			• TC is located in a country without a registry
			• TC is not evaluated by the local registry, or current evaluation is not appropriate
			• TC does not need to evaluated if the following apply:
			  ◦ TC is accredited by FACT-JACIE
			  ◦ TC is affiliated with a WMDA qualified or accredited organisation
				Current (2020)

Recruitment and evaluation of volunteer donors

WMDA Standard	Responsible Pillar	Title and link to document	Explanation	Status
2.08	Quality	Key Performance Indicators for Registries	WMDA has defined five Key Performance Indicators (KPI) that represent the key activities of stem cell donor registries. These key performance indicators are calculated annually from the WMDA Global Trends Report data.	Current (2020)
3.02	Global Development	Qualifications and training of adult stem cell donor recruiters: recommendations by the World Marrow Donor Association *Bone Marrow Transplantation (2013) 48: 1480150*	This paper provides recommendations regarding qualifications and training of recruiters. Online recruitment is not described in this paper.	Update required.
3.03, 3.04, 3.09, 6.07, 6.07.1, 3.24, 10.11, 10.13	Donor Care	Donor safety: the role of the WMDA in ensuring the safety of volunteer unrelated donors: clinical and ethical considerations. *Bone Marrow Transplantation (2010) 45: 832-838*	This paper provides information about the donor care standards of the WMDA. The paper was published in 2010, the wording of the WMDA Standards have changed over time.	Current (2021)
3.13 4.09	Donor Care	Unrelated hematopoietic stem cell donors as research subjects *Bone Marrow Transplantation (2011), 46: 10-13*	Discusses various implications of participation of unrelated stem cell donors in research protocols.	Current (2017)
3.22 3.22.1	Donor Care	Unrelated adult stem cell donor medical suitability: recommendations from the World Marrow Donor Association Clinical Working Group Committee. *Bone Marrow Transplantation 49:880-886* Guidance for assessing the medical suitability for adult volunteer donors	The paper provides a background to unrelated adult donor and recipient safety, recommends a common framework for assessing the health of unrelated adult donors at each stage of the donation pathway and presents a novel mechanism for sharing international consensus criteria for individual medical and lifestyle conditions. The second publication reflects the consensus opinion provided by the WMDA donor medical suitability committee. The purpose of this guidance is to provide globally harmonised medical assessment criteria which simultaneously protect the interest of donors whilst ensuring the safety of cellular products across international boundaries. The links in the article do not work anymore, find here the updated links: https://share.wmda.info/x/FABtEQ	Current (2021)

Donor search request

WMDA Standard	Responsible Pillar	Title and link to document	Explanation	Status
2.07	Global Development	Recommendation on the training of staff performing patient donor search and HLA matching activities Responsibilities of registry search coordinators	Recommendations by WMDA accredited registries on education of registry staff. Survey was performed in 2009.	Update review, contact Irina Evseeva
7.01	Donor Care	WMDA Guidelines for subsequent donations following initial BM or PBSCs *Bone Marrow Transplantation (2011) 46: 1409-1412*	This guideline is intended to outline where subsequent donations would routinely be considered appropriate (from the donor's point-of-view), as well as the frequency and timing of such donations. The background is outdated, the recommendations are current, the data are outdated and the survey information is outdated.	Under review, see https://share.wmda.info/x/8qWbEw for more information
3.03, 3.06, 6.06	Donor Care	Donor commitment and patient needs *Bone Marrow Transplantation (2004) 33: 225-230*	This paper describes ethical issues related to the donation of hematopoietic stem cell products with respect to recruitment, evaluation, workup, and follow-up of unrelated donors.	Current (2021)
	Global Development	WMDA Forms	Forms for each step in the search process; WMDA forms will not be updated till the infrastructure of WMDA connect has been implemented. The goal is to generate the forms automatically through HTML code instead of fillable PDFs.	Current (2020)
	Donor Care	Addressing Ethical and Procedural Principles for Unrelated Allogeneic Hematopoietic Progenitor Cell Donation in a Changing Medical Environment	In this paper, ethical and procedural principles in the context of HPC donation and requests for nonstandard donations are further clarified based on examples from daily practice. The goal is twofold: to provide guidance on applying ethical principles and to create a basis for awareness and understanding for the position of HPC adult volunteer donors and the organizations providing HPCs from these donors in the dynamic field of allogeneic HSCT, by posing questions.	Current (2021)

Collection and transportation

WMDA Standard	Responsible Pillar	Title and link to document	Explanation	Status
8.05	Donor Care	Recommendation for recombinant human G-CSF (G-CSF) that stem cell registries can use - the use of biosimilar G-CSF • Recommendation G-CSF • Recommendation G-CSF extended	WMDA recommendation on the use of biosimilar filgrastims.	Current (2018)
8.05	Donor Care	Current use of biosimilar G-CSF for haematopoietic stem cell mobilisation *Bone Marrow Transplantation (2019): 54, 858-866*	WMDA recommends that stem cell donor registries can use filgrastim biosimilars for the mobilisation of peripheral blood progenitor cells in healthy donors, provided that they are approved by national and/or regional agencies.	Current (2019)
3.03	Donor Care	Remuneration of hematopoietic stem cell donors: principles and perspective of the World Marrow Donor Association. *Blood (2010) 117: 21-25*	This paper describes the reasons that the WMDA continues to believe that donors should not be paid due to ethical concerns raised by remuneration, potential to damage the public will to act altruistically, the potential for coercion and exploitation of donors, increased risk to patients, harm to local transplantation programs and international stem cell exchange, and the possibility of benefiting some patients while disadvantaging others.	Current (2021)
1.08	Quality	Audits of collection and apheresis centers: guidelines by the World Marrow Donor Association Working Group Quality and Regulation *Bone Marrow Transplantation (2018) 54: 244–257*	This paper describes the general requirements and recommendations for collaboration with the collection and apheresis centers and defines critical procedures for the collection of the stem cell product, such as the information session, medical assessment, product collection, quality controls, product handover for transportation, and donor follow-up. The specific guidelines are accompanied by detailed checklists and forms that can be found in Supplementary Information and may be used during an initial or follow-up on-site or paper-based audit. • WMDA Collection Centre Checklist • Audit checklist • Evaluation form	Current (2020)
8.07.1	Quality	Introduction and Importance of a Globally Unique Identity and Labelling Format (ISBT-128) Attachment A Attachment B	Currently being updated to accommodate GRID, this position paper encourages the benefit and criticality of a globally unique numbering system, WMDA recognizes the *ISBT 128* labelling standard as one that supports full traceability of cellular therapy products from the donor to the patient bedside and the flexibility to protect confidential information as defined by current and future international regulations.	Under revision. Paper is from 2010. Susie Joron
8.08	Quality	World Marrow Donor Association (WMDA) Guidelines for Couriers and the Transportation of Heamatopoietic Progenitor Cells (HPC-BM, Apheresis and Therapeutic Cells- T Cells)	The paper describes recommendations for couriers and the transportation of haematopoietic progenitor cells.	Under review (2021)
8.08	Quality	Validation of Product Transportation Containers	This report provides WMDA guidelines for validation of transport containers used for the distribution of HSC products	Current (2018)

Post-donation

WMDA Standard	Responsible Pillar	Title and link to document	Explanation	Status
9.03, 9.04	Donor Care	Safety of Living Donation of Hematopoietic Stem Cells *Transplantation (2016) 100: 1329-1331*	This paper describes a decade of detailed examination of adverse donor events.	Current (2021)
9.03, 9.04, 5.04.1	Donor Care	Inadvertent completely HLA-mismatched allogeneic unrelated bone marrow transplant: lessons learned. *Bone Marrow Transplantation (2016) 51: 1016-1018*	This paper describes a serious adverse event in which a patient was transplanted with stem cells from an incorrect donor due in large part to the inappropriate use of a supposedly unique donor identifier.	Current (2021)

Cord blood banking

WMDA Standard	Responsible Pillar	Title and link to document	Explanation	Status
4.03, 4.04, 4.05, 4.06	Global Development	Combined Private and Public Cord Blood Banking and Other Related Products	Guiding principles for cord blood banks that operate a public and private inventory	Current (2019)
4.03	Global Development	WMDA Policy Statement on the Utility of Autologous or Family Cord Blood Unit Storage	WMDA policy statement on private cord blood banking	Current (2019)
4.02	Global Development	Family-directed Umbilical Cord Blood Banking *Haematologica (2001) 96: 1700-1707*	Educational paper about the distinction of different types of cord blood banking.	Current (2017)
4.26	Global Development	Recommendation for use of cord blood samples by cord blood banks and transplant centres	Discussion for cord blood banks on how to handle reservation requests for attached segments	Under review (2018)

Information technology and data management

WMDA Standard	Responsible Pillar	Title and link to document	Explanation	Status
5.04.1	Search, Match & Connect	Global Registration Identifier for Donors (GRID) of Hematopoietic Stem Cells: Road to Automation and Safety *Transfusion Medicine and Hemotherapy (2017), 44: 407-413*	An educational paper to explain why GRID is implemented on a global scale.	Current (2018)
5.04.1	Search, Match & Connect	GRID: Moving to Unique Donor Identifier	A public webpage with educational materials to implement GRID in a registry.	Current (2018)
5.02	Search, Match & Connect	An update to the HLA Nomenclature Guidelines of the World Marrow Donor Association, 2012 Bochtler W, Maiers M, Bakker JN, Baier DM, Hofmann JA, Pingel J, Rist HG, Oudshoorn M, Marsh SG, Müller CR, Hurley CK; Information Technology Working Group of the World Marrow Donor Association. *Bone Marrow Transplantation (2013) 48: 1387-1388*	An update of the paper published in 2007. The update became necessary after the major revision of the WHO HLA nomenclature in April 2010. It now covers issues arising when alleles are withdrawn or renamed because of the continuous updating of the WHO HLA nomenclature. In addition, formal validation and interpretation rules for the so-called 'multiple allele codes' have been added.	Current (2017)
5.02	Search, Match & Connect	World Marrow Donor Association guidelines for use of HLA nomenclature and its validation in the data exchange among hematopoietic stem cell donor registries and cord blood banks.	This document provides the updated information originally found in the publication: World Marrow Donor Association guidelines for use of HLA nomenclature and its validation in the data exchange among hematopoietic stem cell donor registries and cord blood banks	Current (2017)
5.15.2 5.16	Search, Match & Connect	GRID Implementation Plan - Template	This document provide a template developed by the GRID Task Force how to implement GRID in a registry	Current (2020)
5.15.2 5.16	Search, Match & Connect	Global Registration Identifier for Donors: ION database and GRID rules	The purpose of this document is to provide: • specifications for the structure of the Global Registration Identifier for Donors (GRID) and the Issuing Organization Number (ION) ; • information on how to obtain and update an ION ; and, • rules on the use of the GRID .	Current (2020)
5.15.2 5.16	Search, Match & Connect	Technical documentation	The purpose of this document is to provide st andards and guidance for the coding and labeling of medical products of human origin (MPHO) : blood, cellular therapy , tissue s, regen erated tissue, milk, fecal microbiota, topical products of human origin, in vivo diagnostic MPHO, and organs for transplant , as well as those plasma derivatives for which ABO is relevant	Current (2020)
5.17	Search, Match & Connect	World Marrow Donor Association framework for the implementation of HLA matching programs in hematopoietic stem cell donor registries and cord blood banks. *Bone Marrow Transplantation (2011) 46:338-343*	This paper defines a comprehensive framework for HLA matching programs, which use intricate algorithms to rapidly select potential donors for a patient from a database and to present these donors in a prioritized list.	Current (2017)
	Search, Match & Connect	Information technology and the role of WMDA in promoting standards for international exchange of hematopoietic stem cell donors and products. *Bone Marrow Transplantation (2010) 45: 839-842*	Overview paper of the activities in the area of information technology, described in 2010. • Standardized reference data sets for validation and plausibility controls for HLA and other data domains • Matching algorithm standards for determining histocompatibility • Communication standards between registries.	Current (2017)
5.02	Search, Match & Connect	A comparative reference study for the validation of HLA-matching algorithms in the search for allogeneic hematopoietic stem cell donors and cord blood units. *HLA Immune Responds Genetic (2016) 87: 439-448*	A comparison of matching algorithms used different registries.	Current (2017)

Publications in partnership with other professional societies

WMDA Standard	Responsible Pillar	Title and link to document	Explanation	Status

	Donor Care	Suitability of haematopoietic cell donors: updated consensus recommendations from the WBMT standing committee on donor issues - The Lancet Haematology) *The Lancet (2022) https://doi.org/10.1016/S2352-3026(22)00184-3*	The contribution of related donors to the globally rising number of allogeneic haematopoietic stem cell transplantations (HSCT) remains increasingly important, particularly because of the growing use of haploidentical HSCT. Compared with the strict recommendations on the suitability for unrelated donors, criteria for related donors allow for more discretion and vary between centres. In 2015, the donor outcome committee of the Worldwide Network for Blood and Marrow Transplantation (WBMT) proposed consensus recommendations of suitability criteria for paediatric and adult related donors. This Review provides updates and additions to these recommendations from a panel of experts with global representation, including the WBMT, the European Society for Blood and Marrow Transplantation donor outcome committee, the Center for International Blood and Marrow Transplant Research donor health and safety committee, the US National Marrow Donor Program, and the World Marrow Donor Association, after review of the current literature and guidelines. Sections on the suitability of related donors who would not qualify as unrelated donors have been updated. Sections on communicable diseases, clonal haematopoiesis of indeterminate potential, paediatric aspects including psychological issues, and reporting on serious adverse events have been added. The intention of this Review is to support decision making, with the goal of minimising the medical risk to the donor and protecting the recipient from transmissible diseases.	Current (2022)
	Foundation	Position paper on Unproven Cell-Based Therapies: Current Global Status and Recommendations to the World Health Organization (not yet publicly available, to be added after approval of WBMT)	Direct-to-consumer marketing of unproven cell-based interventions has progressively become a global serious public health concern. Among cell therapeutics we can broadly distinguish immune cells (unmodified or gene modified natural killer T-cells) and stem cell-based interventions. Currently, there is a limited number of both immune and stem cell products with market authorization1 and the current state of scientific evidence does not justify the use of most cell-based interventions outside of well-designed, strictly supervised and regulated clinical research studies.	Current (2020)
8.07	Quality	Circular of Information for the Use of Cellular Therapy Products PDF document	The Circular of Information (Circular) for the Use of Cellular Therapy Products is intended to be an extension of the cellular therapy product label. It has been jointly prepared by the AABB Circular of Information for Cellular Therapy Products Task Force, which includes a collaborative group of multiple nongovernmental organizations that represent the cellular therapy field. The US Food and Drug Administration and the Health Resources and Service Administration also participated in the development and review process. The Task Force intentionally limited its scope to only include minimally manipulated cellular therapy products such as peripheral blood progenitor cells, bone marrow, cord blood and leukocytes. The group recognizes there are multiple cellular therapy products that could not be adequately covered in the Circular. To accommodate this, the Circular includes multiple blank pages at the end of the document to allow for the addition of product or facility specific information.	Current (2021)
	Foundation	Hematopoietic stem cell transplantation activity worldwide in 2012 and a SWOT analysis of the Worldwide Network for Blood and Marrow Transplantation Group including the global survey. *Bone Marrow Transplantation (2016) 51: 778–785*	Paper outlining the transplant activity from 2006 till 2012.	Current (2017)
9.02	Donor Care	Allogeneic hematopoietic stem cell donation-standardized assessment of donor outcome data: a consensus statement from the Worldwide Network for Blood and Marrow Transplantation (WBMT). *Bone Marrow Transplantation (2012) 48: 220-225*	Global consensus document to perform long-term follow up on donors asses the impact of novel agents given to donors.	Current (2021)

3.22 3.22.3	Donor Care	Suitability Criteria for Adult Related Donors: A Consensus Statement from the Worldwide Network for Blood and Marrow Transplantation Standing Committee on Donor Issues. *Biology of Blood and Marrow Transplantation (2015) 21: 2052-2060*	Global consensus document with recommendations for donor workup and final clearance of family donors who would not be able to serve as unrelated donors because of their age or pre-existing diseases. This article covers different topics intending to support decision-making, with the goal of minimizing medical risk to the donor and protection of the recipient from transmissible diseases.	Current (2021)
	Quality	Definitions of histocompatibility typing terms *Blood (2011) 118: 180-183* Definitions of histocompatibility typing terms: Harmonization of Histocompatibility Typing Terms Working Group *Human Immunology (2011) 12: 1214-1216*	The papers define terms for HLA typing resolution, HLA matching, and a format for reporting HLA assignments. In addition, definitions of verification typing and extended typing are provided.	Current (2018)
4.02	Global Development	Family-directed Umbilical Cord Blood Banking *Haematologica (2001) 96: 1700-1707*	Educational paper about the distinction of different types of cord blood banking.	Current (2017)
	Global Development	"Worldwide Network for Blood & Marrow Transplantation (WBMT) special article, challenges facing emerging alternate donor registries" *Bone Marrow Transplantation (2019)*	Paper outlining the challenges for emerging donor registrries	Current (2019)
	Foundation	*Recommendations to Improve the Quality and Safety of Medical Products of Human Origin*, as an outcome of the Forum 25 meeting held in Lisbon, Portugal in September 2019.		

Archived Publications

WMDA Standard	Title and link to document	Explanation	Status
	A gift for life (paper edition)	This is the first print of the WMDA Handbook for registries; it has been replaced by an online edition (online WMDA Handbook).	Out of date
	A gift for life (paper edition, Spanish translation) - un regalo para la vida - WMDA manual para la donación de células madre sanguíneas	This is the first print of the WMDA Handbook for registries; it has been replaced by an online English edition (online WMDA Handbook).	Out of date
10.11	Donor and liability of donor registries, donor centres and collection centres-recommendations *Bone Marrow Transplantation (2004), 33: 467-470*	The paper outlines the ethical aspects of liability of involved parties and the need for insurance coverage. The article has shortcoming with the respect to legal advices.	Out of date
3.04, 3.05, 3.06, 3.09, 3.10.1, 3.11, 3.11.1, 3.13, 3.15	Informed consent--suggested procedures for informed consent for unrelated haematopoietic stem cell donors at various stages of recruitment, donor evaluation, and donor workup. *Bone Marrow Transplantation (2003) 31: 539-545*	This is a checklist on informed consent at the various stages. The paper has been replaced by the WMDA guidance to explain the WMDA Standards. The guidance can be found at:https://share.wmda.info/x/0wB7Cw	Out of date
3.20 4.16	A special report: histocompatibility testing guidelines for hematopoietic stem cell transplantation using volunteer donors. Histocompatibility testing guidelines for hematopoietic stem cell transplantation using volunteer donors: report from The World Marrow Donor Association A special report: histocompatibility testing guidelines for hematopoietic stem cell transplantation using volunteer donors	This publication is now outdated. It provided recommendations on the HLA typing of donors.	Out of date
	Standards, regulations and accreditation for registries involved in the worldwide exchange of hematopoietic stem cell donors and products. *Bone Marrow Transplantation (2010), 45:819-824*	WMDA has developed online documentation to explain the accreditation process, which is available at WMDA Share under the pillar: 'Ensuring Quality'	Out of date
	International exchange of cord blood units; the registry aspects *Bone Marrow Transplantation (2010), 45: 825-831*	Replaced by chapter 6 of the WMDA Handbook: A Gift of Life	Out of date
1.03	Monitoring the international use of unrelated donors for transplantation: the WMDA annual reports. *Bone Marrow Transplantation (2010) 45: 811-818*	This report describes the trends throughout the 12 years that data have been collected and the results of the WMDA Annual Reports 2008, summarizing the activity as of 1 January 2009. The paper is updated annually by the Global Trends Report, see following link: https://share.wmda.info/x/whhcAQ	
8.05	Concerns about the use of biosimilar granulocyte colony-stimulating factors for the mobilisation of stem cells in normal donors: position of World Marrow Donor Association. *Haematologica (2011): 96:942-943*	The aim of this paper is to review the basis of regulatory approval of the biosimilar G-CSF agents, including the available safety data, with reference to the indication for mobilization of PBSC in normal donors and to make recommendations based on these. The recommendation was updated in 2017.	Out of date
3.22 3.22.2	A review of the genetic and long-term effects of G-CSF injections in healthy donors: a reassuring lack of evidence for the development of haematological malignancies Bone Marrow Transplantation (2015) 50: 334-340	This paper is an update from the statement issued by WMDA in 2007. On the basis of an assessment of a continuing lack of evidence for an increased risk of malignancy in donors receiving G-CSF, the WMDA has re-issued an updated statement. The recommendation was updated in 2017.	Out of date
3.22 3.22.2	Haematopoietic stem cell donor registries: World Marrow Donor Association recommendations for evaluation of donor health. *Bone Marrow Transplantation (2008) 42: 9-14*	This document describes criteria for permanent or temporary deferral, guidelines for risk evaluation of infectious disease, examples of conditions requiring assessment and questionnaires designed to elicit relevant information about a donor's medical history and general health. The paper was updated in 2014.	Out of date
	World Marrow Donor Association: international standards for unrelated hematopoietic stem cell donor registries *Bone Marrow Transplantation (2004) 34: 103-110*	A paper describing the first publication of the WMDA Standards, the current version of the WMDA Standards can be found at: https://www.wmda.info/professionals/quality-and-accreditation/wmda-standards/	Out of date

	Overview of registries, HLA typing and diversity, and search algorithms *Tissue Antigens (2007) 69: 3-5*	This paper is an inventory of the registries HLA typing methods and quality control used to evaluate the accuracy of typing results.	Out of date
5.02	World Marrow Donor Association guidelines for use of HLA nomenclature and its validation in the data exchange among hematopoietic stem cell donor registries and cord blood banks. Bochtler W, Maiers M, Oudshoorn M, Marsh SG, Raffoux C, Mueller C, Hurley CK. *Bone Marrow Transplantation (2007) 39:737-741*	This paper was updated in 2012, find here the link to the updated publication: https://www.nature.com/articles/bmt201393	Out of date
	HLA dictionary 2004: summary of HLA-A, -B, -C, -DRB1/3/4/5, -DQB1 alleles and their association with serologically defined HLA-A, -B, -C, -DR, and -DQ antigens. *International Journal of Immunogenetics (2005) 32:19-69*	The paper provides information on the serological equivalents for DNA typings. The paper was updated in 2009. It is recommended to visit the IMGT /HLA website for the most recent information.	Out of date
	The HLA Dictionary 2001: a summary of HLAA, B, C, DRB1/3/4/5 and DQB1 alleles and their association with serologically defined HLAA, B, C, DR and DQ antigens European Journal of Immunogenetics (2001) 28: 565-596	The paper provides information on the serological equivalents of HLA alleles. The paper was updated in 2004. It is recommended to visit the IMGT /HLA website for the most recent information.	
	The HLA dictionary 1999: a summary of HLA-A, -B, -C, -DRB1/3/4/5, -DQB1 alleles and their association with serologically defined HLA-A, -B, -C, -DR, and -DQ antigens. *Human Immunology (1999) 11: 1157-1181*	The paper provides information on the serological equivalents of HLA alleles. The paper was updated in 2001. It is recommended to visit the IMGT /HLA website for the most recent information.	Out of date
	The search for HLA-matched donors: a summary of HLA-A*, -B*, -DRB1/3/4/5* alleles and their association with serologically defined HLA-A, -B, -DR antigens. *Tissue Antigens (1997) 50: 401-418*	The paper provides information on the serological equivalents of DNA typings. The paper has been updated in 2001. It is recommended to visit the IMGT/HLA website for the most recent information.	Out of date
	A special report: suggested procedures for international unrelated donor search from the donor registries and quality assurance working groups of the World Marrow Donor Association (WMDA). *Bone Marrow Transplantation (2004) 34: 97-101*	This paper described the procedures and responsibilities in the search for international unrelated donors. The paper has been replaced by the WMDA Handbook: A Gift for Life.	Out of date
	Haematopoietic Stem Cell Registries: WMDA definitions of a donor center (2004)	This paper has been replaced by the paper: "Qualifications and training of adult stem cell donor recruiters"	Out of date
	Donor work-up and transport of bone marrow--recommendations and requirements for a standardized practice throughout the world from the Donor Registries and Quality Assurance Working Groups of the World Marrow Donor Association (WMDA). *Bone Marrow Transplantation (1997) 20: 621–629*	One of the first WMDA publications describing donor work-up. More current information can be found in the WMDA handbook.	Out of date
	A special report: bone marrow transplants using volunteer donors-- recommendations and requirements for a standardized practice throughout the world--1994 update. The WMDA Executive Committee *Blood (1994) 84: 2833-2389*	This paper amplifies the previous publication and gives special attention to accreditation of national “hubs” (defined as coordinating centers for each country) and donor, harvest, and transplant centers, details of the marrow harvest procedure, use of peripheral blood (PB) stem cells for allografting, and use of PB lymphoid cells for treatment of leukemia relapsing after BMT. Historical document where the WMDA Standards are presented.	Out of date
	Bone marrow transplants using volunteer donors--recommendations and requirements for a standardized practice throughout the world. The Executive Committee of the World Marrow Donor Association. *Bone Marrow Transplantation (1992) 10: 287-291*	Historical paper of WMDA, the first publication, outlining the hub concept.	Out of date
	Towards a global system of vigilance and surveillance in unrelated donors of haematopoietic progenitor cells for transplantation. *Bone Marrow Transplantation (2013) 48: 1506-1509*	This paper describes WMDA's implementation of an international reporting system for serious adverse events and reactions. The way the SPEAR Committee operates has changed.	Out of date