

Asia-Pacific Blood and Marrow Transplantation Group

Secretariat Office / Data Center of APBMT



Asia-Pacific Blood and Marrow Transplantation Group (APBMT)

Annual Report 2009

Secretariat Office / Data Center of APBMT

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About APBMT

The Asia Pacific Blood and Marrow Transplantation (APBMT) group is an organization which is involved in hematological stem cell transplantation (HSCT), sharing their information and cooperating with basic and clinical research in Asian countries. It was created by two initiative doctors, Dr. Tohru Masaoka and Dr. Lu-Xian Cao in 1990. As presidents, they held early APBMT meetings in China and Japan from 1990 to 1994. Since then, the plenary meetings have been held 13 times in the past 18 years and they have been held annually since 2004 (refer to the Annual Congresses in p.13). At first, APBMT was comprised of 6 countries/regions (China, Hong Kong, Iran, Japan, Malaysia and Vietnam), as of August 2009, the participants are 16 countries/regions in all. In addition to the above 6 countries/regions, it includes Australia, India, Indonesia, Korea, New Zealand, Singapore, Pakistan, Philippine, Taiwan, and Thailand.



Figure: Flags of the participating countries/regions

This Annual Report is the third edition. It includes the basic information of APBMT, results of the Transplant Activity Survey 2009 and other information concerning APBMT. In particular, the detailed information about the relationship between Worldwide Blood and Marrow Transplantation (WBMT) and APBMT appears in this booklet for the first time.

BYLAWS OF THE ASIA PACIFIC BLOOD AND MARROW TRANSPLANTATION GROUP (APBMT)

October 1, 2009

ARTICLE 1

Name of the Group

Asia Pacific Blood and Marrow Transplantation Group, hereafter referred to as APBMT was established in 1990 to allow physicians as well as co-medicals and scientists from related companies in Asian countries involved in clinical blood and marrow transplantation to share their experience and to develop co-operative studies.

ARTICLE 2

Incorporation

APBMT is incorporated as Corporate Juridical Person for scientific and educational purposes under the laws of Japan.

ARTICLE 3

Purpose of APBMT

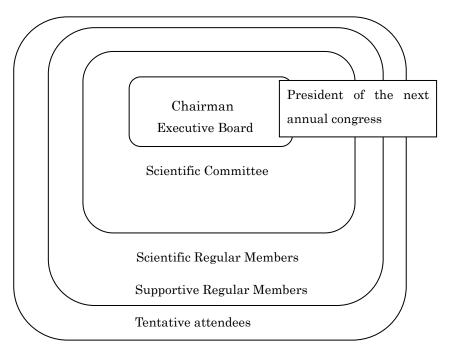
The group aims to promote all aspects associated with the hematopoietic stem cell transplantation (HSCT) in Asia, which includes:

- To know the updated status of haematopoietic stem cell transplantation (HSCT) in Asian countries
- To steer and regulate the HSCT Registry in Asia (Asia Pacific Blood and Marrow Transplantation Group Registry: APBMT Registry)
- To share the knowledge of HSCT
- To encourage the collaborative research in Asia Pacific Countries
- To collaborate with other international organizations related with HSCT
- To work as a core voting member of WBMT

ARTICLE 4

Organization

The schema of the organization in APBMT indicates below.



4. 1 Executive Board

The Executive Board of APBMT steers the group for administration and minor decisions. The Executive Board is consisted of several (currently five) members (one member from one country) elected from The Scientific Committee. The Executive Board is a body to perform operations and the Chairman of Executive Board represents APBMT.

4.2 Scientific Committee

Scientific Committee is the supreme decision-making body in APBMT. Each country can elect 1 voting member as the country representative (The members of the Executive Board cannot have voting right). The names of the current members of scientific committee are listed elsewhere. New Scientific Committee members need to be recommended by the current members of Scientific Committee among the members of the Scientific Regular Members and to get approval in the business meeting. Decisions are taken by majority voting (One vote/one country). The Chairman of the Executive Board, who combines the chairman of the Executive Board with the chairman of the Scientific Committee, has the deciding vote if the vote is otherwise tied.

4.3 Regular Members

Regular Members are consisted of the members from medical fields (Scientific Regular Members) and from related companies (Supportive Regular Members). Scientific Regular Members can elect and can be elected Scientific Committee Members within each country.

4.3 Tentative attendees

Tentative attendees are the persons who attend the annual congress of APBMT. They

are requested to subscribe their own names at congress venue.

ARTICLE 5

Membership

5.1 Any persons involved in the treatment of recipients and donors. (ex. physicians, nurses, laboratory technicians, persons related to stem cell donor programs or pharmaceutical companies), who are interested in HSCT and agree with the purpose of the group can own the membership. New members are admitted by submitting a membership application form to the Secretary Office. This application must include the signature of an APBMT member as a presenter. There are two different kinds of memberships; Scientific Members (physicians, nurses, laboratory technicians, persons related to stem cell donor programs) and Supportive Members (pharmaceutical companies). The members who experienced the President or contributed to the establishment and the development of ABPMT would become Emeritus Members (Inside of APBMT) or Honorable Members (Other registries etc.). Emeritus and Honorable Members can attend the business meeting and can give advices for APBMT. 5.2 Membership Fees: All the Regular Members are required to pay annual membership fees (current standard: thirty U.S. dollar per year) on an individual basis. The members who paid the membership fees can receive up-to-dated information including the survey data from APBMT office and also may have the advantage of discount of the registration fees at annual congress.

ARTICLE 6

Officers

- **6.1 Scientific Committee** elects a) one Chairman of Executive Board, b) one Vice Chairman of Executive Board, c) several (currently five) Members of Executive Board and d) Secretariat /Treasurer.
- **6.2** The function of **the Chairman of Executive Board** is to promote and coordinate all activities of APBMT. These include fund raising, coordination of Working Group activities, giving suggestions to the organizers of the annual meeting, and negotiations with other organizations on behalf of APBMT. The Chairman of Executive Board is elected by the business meeting, and serves for two years and may be re-elected.
- **6.3 The Vice Chairman s**upports the Chairman and will perform the duties of the Chairman in the absence.
- **6.4 The Executive Board Members** will be appointed for a period of four years and may be re-elected.

6.5 Secretariat/Treasurer shall oversee the maintenance of a permanent record of APBMT. The Secretariat/Treasurer shall have oversight of the budget of APBMT. The Secretariat/Treasurer Office of the group is currently set at the Department of HSCT Data Management, Nagoya University, School of Medicine, and the Department of Promotion for Blood and Marrow Transplantation, Aichi Medical University School of Medicine, Japan. The Secretariat/Treasurer Office works for the development and the maintenance of the group under the collaboration with the Chairman of Executive Board, the Chairman of the next annual congress, and the members of Executive Board and Scientific Committee.

ARTICLE 7

Annual Congress

Any countries participating in APBMT can propose to be a host country of the Annual Congress. Host country of the future Annual Congresses will be decided by the Scientific Committee. The President of the next annual congress cooperates with the Executive Board for the year preceding the annual congress.

ARTICLE 8

Business Meeting

The Scientific Committee will open the Business Meeting at least once a year. One of them will be held during the annual meeting. It is co-chaired by the Chairman of the Executive Board and the President of the Annual Congress. The Board may establish subcommittee/working party as the need arise.

ARTICLE 9

Working Groups

APBMT can organize Working Groups if and when required. Each Working Group is headed by a chairperson who is elected among members of the Scientific Committee. The chairperson of each Working Group is elected for three years and may stand for re-election once. The substructure of the Working Group is defined by the chairperson. Regular Members are encouraged to participate in one or more Working Groups according to their particular interests. The Working Group chairperson must submit annual reports to the Scientific Committee.

ARTICLE 10

APBMT Registry

The registries of patients, donors, and HSCT activities are one of the major missions of APBMT. The regulatory rules for the Asian BMT Registry are as the followings;

10.1 The name of the registry is "Asia-Pacific Blood and Marrow Transplantation Group Registry (APBMT Registry)".

10.2 The purposes of the APBMT Registry are to provide current documentation on the status of hematopoietic stem cell transplantation in Asian countries, to clarify the unique problems of this scientific field in Asia, and to create original data from Asia.

10.3 APBMT Registry conducts the "APBMT Activity Survey" and the "APBMT Outcome Registry".

10.4 "APBMT Registration Subcommittee" (to be organized), a subcommittee of the Scientific Committee steers the APBMT Registry. The members of the APBMT Registration Subcommittee are nominated and approved by the Scientific Committee of APBMT.

10.5 Operation of the APBMT Registry

10.5.1 Patient personal information

Patient names are not included among the survey items. However, to trace survival status and disease status, a unique patient number at each institute and a national registry number are included in the survey items.

10.5.2 Units of registration

The national level is the most preferable unit of registration. A national registry should be established in each country. "National" registry in this document does not mean "governmental" registry. It is a hematopoietic stem cell transplant (HSCT) outcome registry which collects HSCT data performed in the country. When it is impossible or difficult, registration from individual institutes is also possible. The APBMT Data Center gathers the registrant data by countries and returns nation-wide data to the responsible person delegated by each country.

10.5.3 Location of the data center

The data should be sent to the APBMT Data Center either by wire or by postal mail. Facsimile is not preferable because of difficulties in deciphering the data.

Nagakute Campus

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Medical University, School of Medicine

21 Karimata, Yazako, Nagakute-cho, Aichi-gun, 480-1195, Japan

Tel: +81-561-62-3311 (Ext.2375)

Fax: +81-561-61-3180

E-mail: office@apbmt.org

Nagoya Campus

Department of HSCT Data Management

Nagoya University, School of Medicine

1-1-20 Daiko Minami, Higashi-ku,

Nagoya 461-0047, Japan

TEL: +81-52-719-1973

FAX: +81-52-719-1973

E-mail: office@apbmt.org

10.5.4 Subjects of registration

All types of hematopoietic stem cell transplantations, allogeneic, syngeneic or autologous transplantation, are subjects for the APBMT registry.

10.6 APBMT Activity Survey

The number of HSCT by indications, donor types, and stem cell sources will be collected annually by using "APBMT Activity Survey Sheets". APBMT Activity Sheets are sent to the APBMT Data Center for APBMT Activity Survey mainly via e-mail.

10.7 APBMT Outcome Registry

10.7.1 Survey items

APBMT Registration Subcommittee is responsible for deciding the survey items to collect. APBMT Outcome Registry collaborates with other international HSCT registries for the basic survey items.

10.7.2 Methods of registration

Data should be registered using one of the following methods.

10.7.2.1 Direct transfer of datasets

Microsoft Excel format (xls/xlsx file) output from each registry program in each country. The format for each Excel cell is decided by the APBMT Registration Subcommittee.

10.7.2.2 TRUMP Data

Use the APBMT version of Transplant Registry Unified Management Program (TRUMP).* A transfer format file from TRUMP, which is anonymized and code encrypted, is sent to the APBMT Data Center for APBMT Outcome Registry either by

wire or by postal mail.

*Atsuta Y et al. Unification of hematopoietic stem cell transplant registries in Japan and establishment of the TRUMP system. Int J Hematol. 2007; 86: 269-274.

10.7.2.3 Paper forms

APBMT Registry Day 100 report forms and disease classification form are to be mailed following day 100 post-transplantation. The follow-up form is also submitted annually for surviving patients.

Electronic registration data is transferred through the APBMT homepage (in cases of 10.7.2.1 and 10.7.2.2). If the file size is small enough, data can be sent by e-mail as an attached file, but this is not recommended due to security problems. Paper forms (10.7.2.3) are mailed to the APBMT Data Center for APBMT Outcome Registry.

10.7.3 Timing and units of registration

Registration can be received any time after the day 100 post-transplantation. Data can be transferred either on a per patient basis or as a series of patients on a registry basis.

10.8 Annual Report

The list of registrants and summary of analyses are published in the APBMT Annual Report of each year, which is distributed to the APBMT member and related persons/organizations. The results published in the APBMT Annual Report can be quoted freely if accompanied by adequate referral.

10.9 Rules for investigational use

Data uses for investigation are restricted to publication in a scientific article and/or presentation at academic meetings. Applications for data usage are limited to Scientific Committee Members, Working Groups and the Data Center of APBMT for the time being. An application form is attached as a separate sheet. The Scientific Committee will evaluate all applications.

If the data usage is limited to data from each country, there are no restrictions.

ARTICLE 11

Amendments

11-1 These Bylaws may be amended at any annual business meeting. Amendments to the Bylaws may be proposed in writing to the Executive Board and must be submitted at least ninety days prior to the annual meeting. In addition, the Executive Board may initiate proposed amendments to the Bylaws. The proposed amendments, together with the Executive Board's recommendation, shall be mailed to each member country at least

thirty days before the annual meeting at which it is to be considered. To be adopted, an amendment must be approved by at least two thirds of voting at the annual meeting.

These bylaws start on October 1, 2009.



Organization of APBMT (Aug. 2009)

Executive Board Member

Kodera, Yoshihisa (Chairman, Japan) Lu, Dao-Pei (China) Ghavamzadeh, Ardeshir (Iran)

Issaragrisil, Surapol (Thailand) Kim, Dong Jip (Korea)

Scientific Committee Member (*executive board member)

Kim, Hack-Ki (Korea) Asano, Shigetaka (Japan)

Kodera, Yoshihisa (Japan)* Baylon, Jane (Philippine)

Binh, Tran Van (Vietnam) Koh, Mickey (Singapore)

Cao, Lu Xian (China) Kojima, Seiji (Japan)

Chan, Lee Lee (Malaysia) Lee, Jong Wook (Korea)

Liang, Raymond (Hong Kong) Chandy, Mammen (India)

Chen, Po-Min (Taiwan) Lie, Albert (Hong Kong) Chen, Yao-Chang (Taiwan) Lin, Kai-Hsin (Taiwan)

Chiou, Tzeon-Jye (Taiwan) Lu, Dao-Pei (China)*

Ghavamzadeh, Ardeshir (Iran) * Ma, David D (Australia/New Zealand)

Masaoka, Tohru (Japan) Haipeng, Lin (Malaysia)

Harada, Mine (Japan) Miyamura, Koichi (Japan)

Okamoto, Shinichiro (Japan) Hariman, Herman (Indonesia)

Ouyang, Jian (China) Hiraoka, Akira (Japan)

Huang, He (China) Rowlings, Philip (Australia/New Zealand)

Saikia, Tapan K (India) Hwang, Tai-ju (Korea)

Issaragrisil, Surapol (Thailand) * Shamsi, Tahir Sultan (Pakistan)

Shin, Hee Young (Korea) Jootar, Saengsuree (Thailand) Srivastava, Alok (India) Junling, Hong (China) Kim, Chun Choo (Korea) Tang, Jin-Luh (Taiwan)

Kim, Dong Jip (Korea)* Tzeng, Cheng-Hwai (Taiwan)

Kim, Dong-Wook (Korea)

Secretariats

Atsuta, Yoshiko (Japan), Hyo, Rie (Japan), Iida, Minako (Japan),

Suzuki, Ritsuro (Japan), Yoshimi, Ayami (Japan)

Honorable Members

Gratwohl, Alois (EBMT)

Emeritus Members

Advani, Suresh H (India) Atkinson, Kerry (Australia)

Hill, Geoffrey (Australia) Tan, Patric (Singapore) Carter, John (New Zealand)

Horowitz, Mary (CIBMTR) Confer, Dennis (NMDP)

Niederwieser, Dietger (EBMT) Goldman, John (EBMT)

APBMT Membership Application Form

PHOTOGRAPH	I
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Please print clearly

,,									
Last name:	First name:								
Qualifications: MD PhD Nursing qualification Other specify									
Department:									
Institution:									
Address:									
City:	Province / Prefecture:								
Postal code:	Country:								
Phone:	Fax:								
e-mail:									
COMMITMENT: By signing below, I certify that I a of blood or marrow transplantation (or transplantation)	am actively involved in the scientific and clinical area								
Date:									
Signature:									
RECOMMENDATION: I recommend this person	highly as a regular member of the APBMT.								
Date:									
Signature:									

Annual Congresses of APBMT

1) Previous Congresses

No	Year	City	President
1 st	1990	Beijing	Cao, Lu Xian
2 nd	1991	Nagoya	Masaoka, Tohru
3 rd	1992	Osaka	Masaoka, Tohru
4 th	1994	Fukuoka	Masaoka, Tohru
5 th	1996	Seoul	Kim, Dong Jip
6 th	1998	Taipei	Chen, Yao-Chang
7 th	2000	Bangkok	Issaragrisil, Surapol
8 th	2002	Mumbai	Advani, Suresh
9 th	2004	Tehran	Ghavamzadeh, Ardeshir
10 th	2005	Hangzhou	Lu, Dao-Pei
11 th	2006	Nagoya	Kodera, Yoshihisa
12 th	2007	Beijing	Lu, Dao-Pei
13 th	2008	Taipei	Chen, Po-Min

2) Congress of 2009

The 14th Congress of APBMT

August 27-29, 2009, Seoul, Korea

Honorary President: Kim, Dong-Jip Congress President: Kim, Chun-Choo

Chairman of Organizing Committee: Kim, Hack-Ki

The 15th Congress of APBMT will be held in Phuket, Thailand in October 29-31, 2010.

President: Jootar, Saengsuree

APBMT Activity Survey

About the APBMT Activity Survey

In 2006, APBMT established the secretariat office and the data center at Nagoya University and they decided to collect the annual transplant data from Asia.

In 2007, we performed the first APBMT Activity Survey to overview recent situations and trends of HSCT in Asian countries. For the prospective survey, we prepared two forms (refer to p.33-35). The first one is to collect the annual data in one page. It is similar to the one of the European Group for Blood and Marrow Transplantation (EBMT). The number of transplants by each indication combined with donor type and stem cell source should be filled into the form. The other one is to collect data for all transplants in the past dozen years or so. There are two pages. In the first page, each registry or center had to fill in the number of transplants in each year for each disease indication. In the second page, the number of transplants in each year by donor type and cell source was filled in.

The following figure shows how the data was collected.

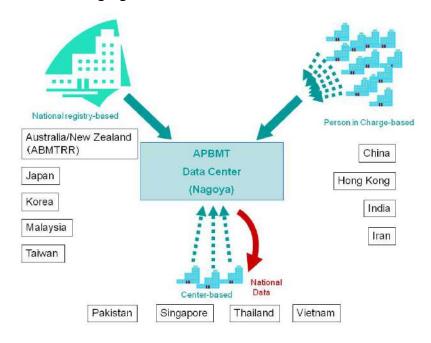


Figure: Data collection

The way of submission is different in each country/region.

From the countries/regions which have a national registry, data is submitted through the national registries. From the countries/regions which do not have a national registry, data is submitted through the regional person in charge who collects data from major transplant centers or through major transplant centers directly.

YEARLY TRANSPLANT ACTIVITY SURVEY OF 2007



Country Name	

**Others inculde BM+PB,BM+CB or other mixture etc.

Please fill the number of transplanted patients for each indication and type of transplant in 2007.

*any family member (matched or mismatched) other than HLA id sibling

		atients for each indication and type of transplant in 2007. *any family member (matched or mismatched) other the autologous												Total							
		family											unr	elated							
		HLA -	id sibl			no	n - id*			twir										Auto	Tota
Indication	BM	PB	СВ	Others**	BM	PB	СВ	Others**	BM	PB	Others**	BM	PB	СВ	Others**	BM	PB	Others**			
AML																					
ALL																					
CML																					
MDS																					
Other leukemia																					
MPS																					
Lymphoid malignancy (including LBL)																					
Multiple Myeloma																					
Solid tumor																					
Aplatic anemia																					
Aquired Pure red cell anemia																					
PNH																					
Congenital bone marrow failure																					
Hemoglobinopathy																					
Other hematological disease																					
EBV related disorders																					
Hemophagocytic syndrome																					
Langerhans cell histiocytosis																					
Autoimmune disease																				1	
Inherited metabolic disease																					
Primary immune deficiencies																					
Others																					
Total																					

Classify the disease as followings:

AML Define by WHOclassification (BM blasts≥20%)

MDS Define by WHOclassification (BM blasts<20%): eg. RA, RN, RT, RCMD, RARS, RAEB, MDS-U, Count MDS/MPD (eg.MDS/MPD unclassified, CMML, JMML) as MDS

Other leukemia eg. ATL, CLL, myeloid NK precursor acute leukemia

MPD eg. Polycythemia vera, essential thrombocythemia, myelofibrosis

Congenital bone marrow failure eg. Fanconi anemia, Dyskeratosis Congenita, Diamond-Blackfan anemia, congenital dyserythropoetic anemia, severe congenital neutropenia, myelolathexis (WHIM syndrome)

Shwachmann -Diamond Syndrome, congenital amegakaryocytic thrombocytopenia

Hemoglobinopathy eg. beta-thalassemia, sickle cell disease

EBV related disorders eg. CAEBV, hypersensitivity to mosquito bites

Inherited metabolic disease eg. Mucopolysaccharidosis, Niemann-Pick dis., Gaucher dis., I-cell dis., Pompe dis., Krabbe dis., Metachromatic leukodystrophy, Adreno leukodystrophy, Osteopetrosis

Primary immune deficiencies eg. SCID, Wiskott-Aldrich Syndrome, X-linked hyper IgM syndrome, chronic granulomatosis, Chediak-Higashi syndrome

Please send it back to the secretary's office of APBMT by FAX or EMAIL: Fax +81-52-719-1973 or +81-561-61-3180 E-mail: office@apbmt.org

TRANSPLANT ACTIVITY SURVEY until 2006



TRANSPLANT ACTIVITY SURVEY from			to	2006																PA	GE1
Country Name							Please	fill the	number	of all tr	ansplan	ited pat	ients fo	r each i	ndicatio	n and fo	or each	type of	transpl	ant	
Transplant Year	2006	2005	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986
Indication																					
AML																					
ALL																					
CML																					
MDS																					
Other leukemia																					
MPS																					
Lymphoid malignancy (including LBL)																					
Multiple Myeloma																					
Solid tumor																					
Aplatic anemia																					
Aquired Pure red cell anemia																					
PNH																					
Congenital bone marrow failure																					
Hemoglobinopathy																					
Other hematological disease																					
EBV related disorders																					
Hemophagocytic syndrome																					
Langerhans cell histiocytosis																					
Autoimmune disease																					
Inherited metabolic disease																					
Primary immune deficiencies																					

Classify the disease as followings:

Others Total

AML Define by WHOclassification (BM blasts >20%)

MDS Define by WHOclassification (BM blasts<20%): eg. RA, RN, RT, RCMD, RARS, RAEB, MDS-U, Count MDS/MPD (eg.MDS/MPD unclassified, CMML, JMML) as MDS

Other leukemia eg. ATL, CLL, myeloid NK precursor acute leukemia

MPD eg. Polycythemia vera, essential thrombocythemia, myelofibrosis

Congenital bone marrow failure eg. Fanconi anemia, Dyskeratosis Congenita, Diamond-Blackfan anemia, congenital dyserythropoetic anemia, severe congenital neutropenia, myelolathexis (WHIM syndrome)

Shwachmann -Diamond Syndrome, congenital amegakaryocytic thrombocytopenia

Hemoglobinopathy eg. beta-thalassemia, sickle cell disease EBV related disorders

eg. CAEBV, hypersensitivity to mosquito bites

Inherited metabolic disease eg. Mucopolysaccharidosis, Niemann-Pick dis., Gaucher dis., I-cell dis., Pompe dis., Krabbe dis., Metachromatic leukodystrophy, Adreno leukodystrophy, Osteopetrosis

Primary immune deficiencies eg. SCID, Wiskott-Aldrich Syndrome, X-linked hyper IgM syndrome, chronic granulomatosis, Chediak-Higashi syndrome

PAGE2

		Transp	lant Year	2006	2005	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986
		•																						
	Done	or	Source																					
			BM																					
		HLA id sibling	PBSC																					
		I ILA IU SIDIIIIG	CB																					
			Others**																					
			BM																					
	Family	HLA non id*	PBSC																					
		TILA HOH IU	CB																					
Allogeneic			Others**																					
			BM																					
		Twin	PBSC																					
			Others**																					
			BM																					
		Inrelated	PBSC																					
	'	mileialeu	CB																					
			Others**				-	-	•															
		_	BM																					
	Autolog	jous	PBSC				-	-	•															
			Others**																					

*any family member (matched or mismatched) other than HLA id sibling

**Others inculde BM+PB,BM+CB or other mixture etc.

Please send it back to the secretary's office of APBMT by FAX or EMAIL: Fax +81-52-719-1973 or +81-561-61-3180 E-mail: office@apbmt.org

Application form for using the Activity Survey Data of APBMT

Please print clearly

Name of applicant:									
Qualifications: MD PhD Nursing qualification Other specify									
Department:									
Institution:									
Country/Region:	e-mail								
Phone:	Fax:								
Study title:									
Objective:									
Country:									
Transplant year; fromto									
Disease;									
Stem cell source; BM, PBS, CB									
Donor types; auto, allo (related, unrelated)									
Research presentation: Conference presentation;									
Writing paper;									
Does this research keep with the ethical guideline of your country? Yes No									
Does this research get the approval of your institute? Yes No									

Application form for using the Registry Data of APBMT

Please print clearly

Name of applicant:								
Qualifications: MD PhD Nursing qualifications	ation Other specify							
Department:								
Institution:								
Country/Region:	e-mail							
Phone:	Fax:							
Study title:								
Objective:								
Transplant timing; from // to //								
Disease;								
Patient's age; from								
Count of the transplant, the first transplantation	all transplantation							
Stem cell source; BM, PBS, CB								
Donor types; auto, allo (related, unrelated)								
Variables and outcomes to be analysed:								
Research presentation: Conference presentation;								
Writing paper;								
Does this research keep with the ethical guideline of your country? Yes No								
Does this research get the approval of your institute? Yes No								

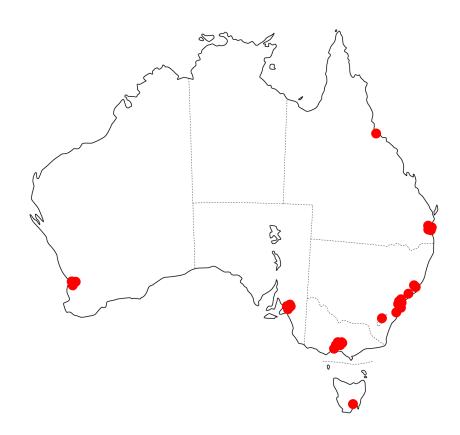
Australia (National Registry) 41 centers

Coordinator: Dr. Ian Nivison-Smith

Supported by Australasian Bone Marrow Transplant Recipient Registry (ABMTRR)

Supported by Australasian Bone Marrow Trans	plant recipion region, and and
Alfred Hospital	Clinical Haematology & BMT Unit
Ashford Cancer Centre	Department of Haematology
Box Hill Hospital	Haematology Department
Brisbane Private Hospital	BMT Unit
Canberra Hospital	BMT / Apheresis Unit
Concord Hospital	Haematology Department
Fremantle Hospital	Haematology Department
Geelong Hospital	Andrew Love Cancer Centre
Gosford Hospital	Cancer Care Centre
Greenslopes Private Hospital	Cancer Centre
John Hunter Children's Hospital	Paediatric Oncology Unit
Liverpool Hospital	Department of Haematology
Mater Hospital Brisbane	Department of Haematology
Mater Private Hospital Brisbane	Haematology / Oncology
Nepean Hospital	Cancer Care Centre
Newcastle Mater Hospital	Department of Haematology
Peter MacCallum Cancer Centre	Haematology / Medical Oncology Department
Prince of Wales Hospital	BMT Laboratory
Princess Alexandra Hospital	Department of Haematology / Oncology
Princess Margaret Hospital for Children	Haematology Department
Queen Elizabeth Hospital	Department of Haematology
Royal Adelaide Hospital	Division of Haematology
Royal Brisbane Children's Hospital	Banksia Unit
Royal Brisbane Hospital	Division of Cancer Care Services
Royal Children's Hospital	Children's Cancer Centre
Royal Hobart Hospital	Department of Medical Oncology
Royal Melbourne Hospital	BMT Services
Royal North Shore Hospital	Department of Haematology
Royal Perth Hospital	Department of Haematology
Royal Prince Alfred Hospital	Department of Haematology
Sir Charles Gairdner Hospital	Department of Haematology
St George Hospital	Department of Haematology

St Vincent's Hospital	Department of Haematology and SCT
St Vincent's Hospital Melbourne	Department of Clinical Haematology
Sydney Children's Hospital	Department of Haematology
The Children's Hospital at Westmead	Oncology Unit
Townsville Hospital	Department of Haematology - Oncology
Wesley Clinic	Haematology / Oncology
Westmead Hospital	Department of Haematology
Wollongong Hospital	Haematology Department
Women & Children's Hospital	Clinical Haematology / Oncology Department



Mainland China (32 centers)

Coordinators: Dr. Wu Tong

Beijing Cancer Hospital

Beijing Chao-Yang Hospital

Beijing Daopei Hospital

Beijing Hospital

Cancer Institute & Hospital, Chinese Academy of Medical Sciences

First Affiliated Hospital of Zhejiang University

First Affiliated Hospital of Zhenzhou University

First affliated Hospital of China PLA General Hospital

GuangDong Province Hospital Of Traditional Chinese Medicine

Hainan No.1 Provincail People's Hospital

Henan Institute of Hematology, Cancer Hospital of Henan

Hospital affiliated to General Hospital of the Chinese People's Liberation Army

Huashan Hospital

Jiangsu Institute of Hematology, The First Affiliated Hospital of Soochow University

Jiangsu Province Hospital, The First Affiliated Hospital of Nanjing Medical University

Nanjing Drum Tower Hospital

Peking University First Hospital

Peoples' Hospital of Peking University

Shanghai Changzheng Hospital

Shanghai Children's Medical Center

Shanghai Daopei Hospital

Shanghai Ruijin Hospital

The Third Affiliated Hospital of Sun Yat-sen University

Tongren Hospital

Union Hospital Fujian Medical University

Union Hospital Tongji Medical College of Huazhong University of Science and Technology

West China Hospital of Sichuan University

Xinhua Hospital Affiliated to Shanghai Jiaotong Universitu School of Medcine

Xuanwu Hospital Capital Medical University

Youyi Hospital

Zhongshan Hospital Xiamen University

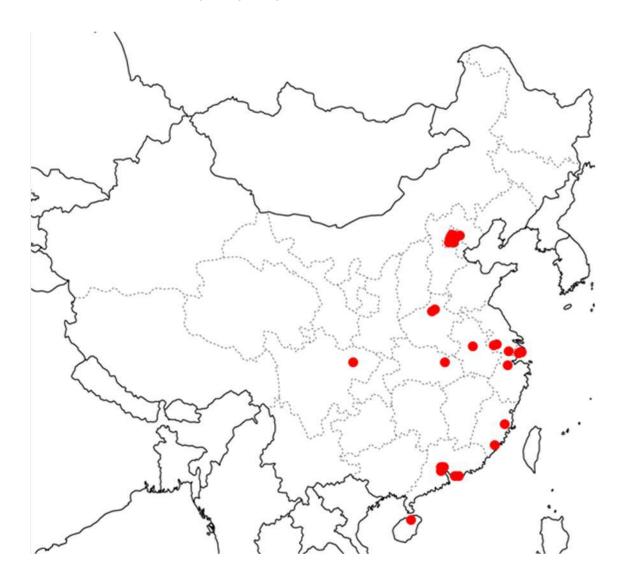
Zhujiang Hospital Southern Medical University

Hong Kong (2 centers/3 departments)

Coordinator: Dr. Albert Lie

Queen Mary Hospital, The University of	Department of Medicine
Hong Kong	Department of Paediatrics & Adolescent
	Medicine
Prince of Wales Hospital, The Chinese	Department of Paediatrics
University of Hong Kong	

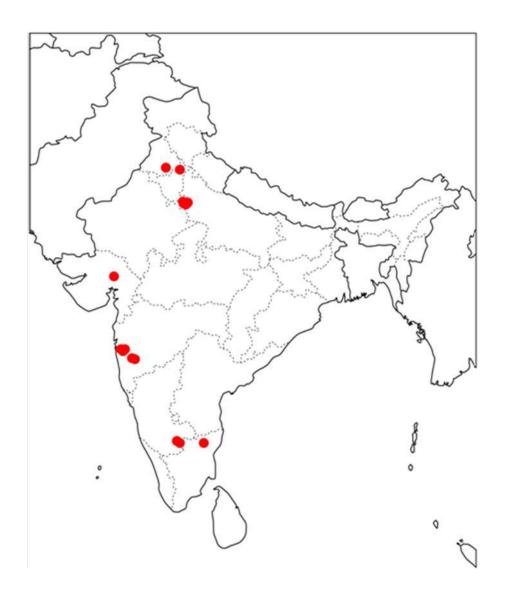
(Mainland China including Hong Kong)



India (15centers)

Coordinator: Dr. Alok Srivastava

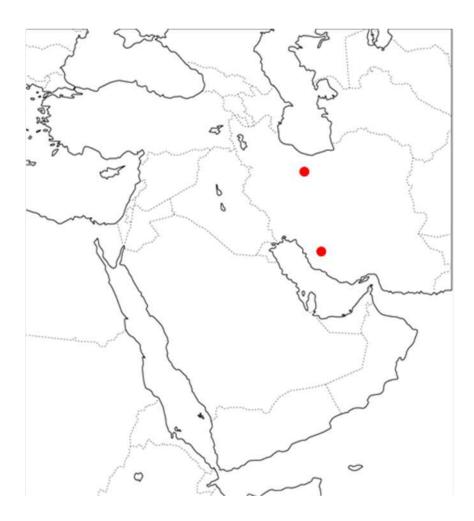
CMC(Christian Medical College), Vellore	Dr. Mammen Chandy, Dr. Alok Srivastava,
	Dr. Vikram Mathews, Dr. Biju George,
	Dr. Auro VIswabandya
Army Hospital, New Delhi	Dr. Velu Nair
TMC(Tata Memorial Centre), Mumbai	Dr. Navin Khattry
AIIMS(All India Institute of Medical science),	Dr. Pravas Mishra
New Delhi	
Sahyadri Speciality Hospital, Pune	Dr. Shashikant Apte
Jaslok Hospital and Research Center, Mumbai	Dr. Reetu Jain
Narayana Hrudayala, Bangalore	Dr. Sharat Damodar
Gujarat Cancer & Research Institute,	Dr. Sandip Shah
Ahmedabad	
Rajiv Gandhi Cancer Center, New Delhi	Dr. Dinesh Bhurani
PGIMER(Postgraduate Institute of Medical	Dr. Pankaj Malhotra
Education & Research), Chandigarh	
Manipal, Bangalore	Dr. Ashish Dixit
PAKH(Prince Aly Khan Hospital), Mumbai	Dr. Tapan Saikia
Ruby Hall Clinic, Pune	Dr. Vijay Ramanan
Sir Ganga Ram Hospital, New Delhi	Dr. Dharma R Choudhary
CMC(Christian Medical College)-Ludhiana	Dr. Joseph John



Iran (2centers)

Coordinator: Dr. Farnaz Khatami

Teheran University of Medical Science	Department of Oncology and Hematology
Transplant Research Center, Shiraz University	
of Medical Sciences	



Japan (National Registry) 359 centers

Coordinators: Dr. Minako Iida, Dr. Yoshiko Atsuta, Dr. Ritsuro Suzuki, Dr. Yoshihisa Kodera

Supported by the Japan Society for Hematopoietic Cell Trnsplantation, the Japan Society of Pediatric Hematology, Japan Marrow Donor Program, Japan Cord Blood Bank Network

(National Hospital Organization)Nishigunma National Hospital	Department of Hematology
Aichi Cancer Center Hospital	Department of Hematology and Cell Therapy
Aichi Medical University Hospital	Department of Internal Medicine
Aichi Medical University School of Medicine	Department of Pediatrics
Aiseikai Yamashina Hospital	Department of Hematology
Akashi Municipal Hospital	Department of Pediatrics
Akashi Municipal Hospital	Internal Medicine
Akita University School of Medicine	Department of Reproductive and Developmental Medicine, Division of Pediatrics
Akita University School of Medicine	Division of Hematology and Oncology, Department of Medicine III
Anjo Kosei Hospital	Department of Pediatrics
Anjo Kosci Hospital	Department of Hematology
Aomori Prefectural Central Hospital	Department of Hematology
Asahikawa City Hospital	Department of Internal Medicine
Asahikawa Medical College Hospital	Department of Pediatrics
Asahikawa Medical College Hospital	Third Department of Internal Medicine
Asahikawa Red Cross Hospital	Department of Pediatrics
Asahikawa Red Cross Hospital	Department of Hematology and Oncology
Chiba Aoba Municipal Hospital	Internal Medicine
Chiba Children's Hospital	Department of Haematology
Chiba University Hospital	Department of Pediatrics
Chiba University Hospital	Department of Hematology
Children's Medical Center, Osaka City General Hospital	Department of Pediatric hematology /Oncology
Chugoku Rosai General Hospital	Department of Pediatrics
Dokkyo Medical University Hospital	Department of Pediatrics
Dokkyo Medical University School of Medicine	Department of Hematology
Ehime Prefectural Central Hospital	Department of Pediatrics
Ehime Prefectural Central Hospital	Division of Hematology
Ehime University Graduate School of Medicine	Department of Pediatrics
Ehime University Graduate School of Medicine	Organ Function Integrative Medicine, Department of Bioregulatory Medicine
Faculty of Medicine Hospital Tokyo Medical and Dental University	Pediatrics and Developmental Biology

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Faculty of Medicine, Saga University	Department of Internal Medicine
Faculty of Medicine, Kagawa University	Department of Transfusion Medicine
Fuchu Hospital	Division of Hematology
Fujita Health University School of Medicine	Department of Hematology and Oncology
Fukaya Red Cross Hospital,	Internal Medicine
Fukuoka University School of Medicine	Department of Pediatrics
Fukushima Medical University Hospital	Department of Hematology
Fukushima Medical University School of Medicine	Department of Pediatrics
Gifu Municipal Hospital	Department of Pediatrics
Gifu University Graduate School of Medicine	Department of Pediatrics
Gifu University Graduate School of Medicine	First Department of Internal Medicine(Hematology and Infectious Disease)
Gunma Children's Medical Center	Division of Hematology/Oncology
Gunma Prefectural Cancer Center	Division of Hematology/Oncology
Gunma University Graduate School of Medicine	Department of Pediatrics
Gunma University Graduate School of Medicine	Department of Medicine and Clinical Science
Hakodate Municipal Hospital	Department of Internal Medicine
Hamamatsu Medical Center	Department of Pediatrics
Hamamatsu Medical Center	Department of Hematology
Hamamatsu University School of Medicine	Department of Pediatrics
Hamamatsu University School of Medicine	Internal Medicine III
Hamanomachi Hospital	Department of Pediatrics
Hamanomachi Hospital	Department of Hematology
Higashi Sapporo Hospital	Department of Internal Medicine
Hirosaki University Hospital	Department of Pediatrics
Hiroshima Red Cross Hospital &Atomic-bomb Survivors Hospital	Department of Pediatrics
Hiroshima Red Cross Hospital &Atomic-bomb Survivors Hospital	Fourth Department of Internal Medicine
Hiroshima University Hospital	Department of Pediatric Hematology and Oncology
Hiroshima University Hospital	Department of Hematology and Oncology (Gen-iken), Hospital Ward
Hirosima-Nishi Medical Center	Department of Internal Medicine
Hitachi General Hospital	Department of Hematology
Hokkaido Medical Center for Child Health and Rehabilitation	Department of Pediatrics
Hokkaido University Hospital	Department of Pediatrics
Hokkaido University Hospital	Department of Medicine II
Hokkaido University Hospital	Department of Hematology
Hyogo Cancer Center	Department of Hematology
	

Hyogo Cancer Center	Department of Gynecologic Oncology
Hyogo Children's Hospital	Hematology & Oncology
Hyogo College of Medicine	Department of Pediatrics
Hyogo College of Medicine	Division of Hematology, Department of Internal Medicine
Ibaraki Children's Hospital	Department of Pediatrics
Iizuka Hospital	Department of Hematology
Imamura Bun-in Hospital	Department of Hematology
International Medical Center of Japan	Department of Pediatrics
International Medical Center of Japan	Division of Hematology, Department of Internal Medicine
Ishikawa Prefectural Central Hospital	Department of Hematology & Immunology
Ishinomaki Red Cross Hospital	Department of Internal Medicine
Iwaki Kyoritsu General Hospital	Department of Hematology
Iwate Medical University	Department of Pediatrics
Iwate Medical University School of Medicine	Hematology/Oncology, Dept. of Internal Medicine
Iwate Prefectural Kitakami Hospital	Department of Pediatrics
Japanese Red Cross Nagasaki Genbaku Hospital	Department of third Internal Medicine (Hematology)
Japanese Red Cross Nagoya First Hospital	Division of Hematology/Oncology, Children's Medical Center
Japanese Red Cross Nagoya First Hospital	Department of Hematology
Japanese Red Cross Narita Hospital	Department of Pediatric Hematology-Oncology
Japanese Red Cross Narita Hospital	Division of Hematology and Oncology
Japanese Red Cross Society Wakayama Medical Center	1st Department of Pediatrics
Japanese Red Cross Society Wakayama Medical Center	Department of Hematology
Japanese Red Cross Medical Center	Department of Internal Medicine
Jichi Medical University Hospital	Department of Pediatrics
Jichi Medical University Hospital	Division of Cell Therapy/Division of Hematology
Jikei University school of Medicine	Hematopoietic Cell Therapy Center
Jikei University, Kashiwa Hospital	Department of Oncology/Hematology
Juntendo University School of Medicine	Department of Pediatrics & Adolescent Medicine
Juntendo University School of Medicine	Department of Hematology
Kagawa National Children's Hospital	Department of Pediatric Hematology/Oncology
Kagawa University	Division of Hematology, Department of Internal Medicine
Kagawa University Faculty of Medicine	Department of Pediatrics
Kagoshima City Hospital	Department of Pediatrics
Kagoshima University Medical and Dental Hospital	Department of Pediatrics
Kagoshima University Medical and Dental Hospital	Department of Hematology & collagen disease

Kanagana Cancer Center Department of Chemotherapy Kanagana Cancer Center Department of Hamatology Kanagana Cancer Center Department of Hamatology Kanagana Cancer Center Deviction of Hamatology Department of Hamatology and International Medicine Kanacana University Hospital Department of Hamatology and International Cancer	Kameda General Hospital	Division of Hematology/Oncology Department of Medicine
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Kobe City Medical Center General Hospital Department of Pediatrics Kobe City Medical Center General Hospital Department of Hematology and Clinical Immunology Kobe University Graduate School of Medicine Department of Pediatrics Kobe University Graduate School of Medicine Hematology / Oncology, Department of Medicine Kobe University Graduate School of Medicine Department of Surgery Related, Division of Urology Kochi Health Sciences Center Department of Pediatrics Kochi Health Sciences Center Department of Hematology and Transfusion Kochi Medical School, Kochi University Department of Pediatrics Kochi University Department of Hematology and Respiratory Medicine Kokura Memorial Hospital Department of Hematology Komaki City Hospital Department of Pediatrics Department of Hematology Komaki City Hospital Department of Hematology	KKR Suifu Hospital	Division of Hematology & Oncology
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Kobe University Graduate School of Medicine Kobe University Graduate School of Medicine Hematology / Oncology, Department of Medicine Kobe University Graduate School of Medicine Department of Surgery Related, Division of Urology Kochi Health Sciences Center Department of Pediatrics Kochi Health Sciences Center Department of Hematology and Transfusion Kochi Medical School, Kochi University Department of Pediatrics Kochi University Department of Hematology and Respiratory Medicine Kokura Memorial Hospital Department of Hematology Komaki City Hospital Department of Pediatrics Department of Pediatrics Department of Hematology Department of Hematology Department of Pediatrics Department of Hematology Department of Hematology and Oncology	Kobe City Medical Center General Hospital	Department of Pediatrics
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Kochi Health Sciences Center Department of Pediatrics Kochi Health Sciences Center Department of Hematology and Transfusion Kochi Medical School, Kochi University Department of Pediatrics Kochi University Department of Hematology and Respiratory Medicine Kokura Memorial Hospital Department of Hematology Komaki City Hospital Department of Pediatrics Department of Pediatrics Department of Pediatrics Department of Hematology Komaki City Hospital Department of Haematology Department of Haematology Department of Hematology Monaki City Hospital Department of Hematology and Oncology	Kobe University Graduate School of Medicine	Hematology / Oncology, Department of Medicine
Kochi Health Sciences Center Department of Hematology and Transfusion Kochi Medical School, Kochi University Department of Pediatrics Kochi University Department of Hematology and Respiratory Medicine Kokura Memorial Hospital Department of Hematology Komaki City Hospital Department of Pediatrics Komaki City Hospital Department of Haematology Komaki City Hospital Department of Haematology Department of Haematology Department of Hematology and Oncology	Kobe University Graduate School of Medicine	Department of Surgery Related, Division of Urology
Kochi Medical School, Kochi University Department of Pediatrics Kochi University Department of Hematology and Respiratory Medicine Kokura Memorial Hospital Department of Hematology Komaki City Hospital Department of Pediatrics Komaki City Hospital Department of Haematology Konaki City Hospital Department of Hematology Department of Hematology Department of Hematology Monan Kosei Hospital Department of Hematology and Oncology	Kochi Health Sciences Center	Department of Pediatrics
Kochi University Department of Hematology and Respiratory Medicine Kokura Memorial Hospital Department of Hematology Komaki City Hospital Department of Pediatrics Komaki City Hospital Department of Haematology Konan Kosei Hospital Department of Hematology and Oncology	Kochi Health Sciences Center	Department of Hematology and Transfusion
Kokura Memorial Hospital Department of Hematology Komaki City Hospital Department of Pediatrics Komaki City Hospital Department of Haematology Konan Kosei Hospital Department of Hematology and Oncology	Kochi Medical School, Kochi University	Department of Pediatrics
Komaki City Hospital Department of Pediatrics Komaki City Hospital Department of Haematology Konan Kosei Hospital Department of Hematology and Oncology	Kochi University	Department of Hematology and Respiratory Medicine
Komaki City Hospital Department of Haematology Konan Kosei Hospital Department of Hematology and Oncology	Kokura Memorial Hospital	Department of Hematology
Konan Kosei Hospital Department of Hematology and Oncology	Komaki City Hospital	Department of Pediatrics
	Komaki City Hospital	Department of Haematology
Kouseiren Takaoka Hospital Department of Internal Medicine	Konan Kosei Hospital	Department of Hematology and Oncology
	Kouseiren Takaoka Hospital	Department of Internal Medicine

Kumamoto University School of Medicine	Department of Pediatrics
Kurashiki Central Hospital	Department of Pediatrics
Kurashiki Central Hospital	Department of Haematology/Oncology • Transfusion and Haemapheresis Center
Kurobe City Hospital	Department of Internal Medicine
Kurume University School of Medicine	Department of Pediatrics
Kurume University School of Medicine	Division of Hematology, Department of Medicine
Kyorin University School of Medicine	Second Department of Internal Medicine
Kyoto City Hospital	Division of Pediatrics
Kyoto City Hospital	Department of Hematology
Kyoto First Red Cross Hospital	Department of Hematology
Kyoto Katsura Hospital	Department of Pediatrics
Kyoto Katsura Hospital	Department of Hematology
Kyoto Prefectural University of Medicine	Department of Hematology and Oncology
Kyoto Prefectural University of Medicine, Graduate School of Medical Science	Department of Pediatrics
Kyoto Second Red Cross Hospital	Division of Hematology, Department of Internal Medicine
Kyoto University Hospital	Department of Pediatrics
Kyoto University Hospital	Department of Hematology and Oncology
Kyushu Kosei-nenkin Hospital	Department of Internal Medicine
Kyushu University	Department of Medicine and Bioregulatory Science, Graduate school of Medical Science
Kyushu University Hospital	Department of Pediatrics
Kyushu University Hospital	First Department of Internal Medicine
Kyushu University Hospital at Beppu	Division of Immunology, Hematology and Metabolic Diseases
Maebashi Red Cross Hospital	Department of Pediatrics
Matsudo City Hospital	Department of Pediatrics
Matsudo City Hospital	Internal Medicine of Hematology
Matsushita Memorial Hospital	Department of Pediatrics
Matsushita Memorial Hospital	Department of Hematology
Matsuyama Red Cross Hospital	Department of Pediatrics
Matsuyama Red Cross Hospital	Department of Internal Medicine
Matsuzaka General Hospital	Division of Hematology
Meitetsu Hospital	Department of Pediatrics
Meitetsu Hospital	Department of Hematology
Mie University Hospital	Department of Pediatrics and Cell Transplantation
Mie University Hospital	Department of Hematology
Mitoyo General Hospital	Department of Internal Medicine
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Miyagi Cancer Center	Division of Hematology
Miyagi Children's Hospital	Department of Hematology and Oncology
Miyazaki prefectural Miyazaki Hospital	Department of Hematology
Nagano Children's Hospital	Division of Hematology and Oncology
Nagano Red Cross Hospital	Department of Hematology
Nagaoka Red Cross Hospital	Department of Hematology
Nagasaki University Graduate School of Biomedical Sciences	Department of Pediatrics
Nagasaki University Graduate School of Biomedical Sciences	Department of Hematology, Molecular Medicine Unit Atomic Bomb Disease Institute
Nagoya City University	Graduate School of Medical Sciences, Department of Pediatrics and Neonatology
Nagoya City University Hospital	Division of Hematology/ Oncology and Rheumatology
Nagoya Daini Red Cross Hospital	Department of Pediatrics
Nagoya Daini Red Cross Hospital	Department of Hematology and Oncology
Nagoya University Graduate School of Medicine	Department of Pediatrics
Nagoya University Graduate School of Medicine	Department of Hematology and Oncology
Nagoya Memorial Hospital	Division of Hematology-Oncology, Department of Internal Medicine
Nakadoori General Hospital	Department of Pediatrics
Nara Medical University	Department of pediatrics
Nara Medical University	Second Department of Internal Medicine
National Cancer Center Hospital	Hematopoietic Stem Cell Transplantation Division
National Cancer Center Hospital East	Division of Hematology/Oncology
National Center for Child Health and Development	Division of Hematology/ Oncology
National Defense Medical College	Division of Hematology, Department of Internal Medicine
National Defense Medical College Hospital	Department of Pediatrics
National Hospital Organization Kyusyu Medical Center	Department of Hematology
National Hospital Organization ,Okayama Medical Center	Department of Pediatrics
National Hospital Organization Hokkaido Cancer Center	Department of Pediatrics
National Hospital Organization Hokkaido Cancer Center	Department of Hematology
National Hospital Organization Kure Medical Center	Department of Hematology and Oncology
National Hospital Organization Mito Medical Center	Department of Hematology
National Hospital Organization Nagasaki Medical Center	Division of Hematology
National Hospital Organization Okayama Medical Center	Division of Hematology, Department of Internal Medicine
National Hospital Organization Osaka Minami Medical Center	Department of Medicine
National Hospital Organization Osaka National Hospital	Department of Pediatrics
National Hospital Organization Osaka National Hospital	Internal Medicine

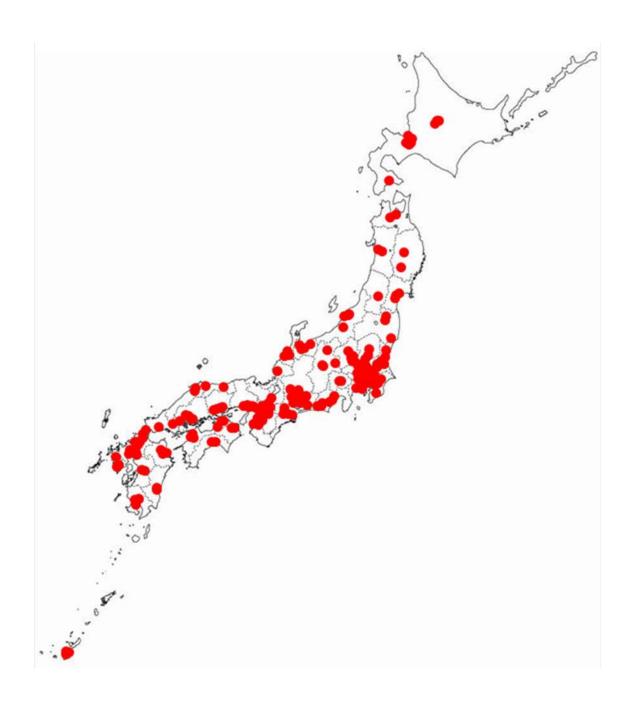
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Nippon Medical School Department of Internal Medicine Division of Hematology NTT Kanto Medical Center Division of Hematology Department of Internal Medicine Ohta General Hospital, Ohta Nishinouchi Hospital Department of Pediatrics Oita Prefectural Hospital Department of Pediatrics Oita Prefectural Hospital Department of Pediatrics Oita University Faculty of Medicine Department of Pediatrics and Child Neurology, Department of Brain and Nerve Science Oita University Hospital Department of Hematology Oita Kousciren Tsurumi Hospital Department of Hematology Department of Hematology Okayama Rosai Hospital Department of Medicine Okayama University Hospital Department of Hematology Department of Hematology Okayama University Hospital Department of Hematology Okayama University Graduate School of Medicine Department of Hematology Osaka City University Graduate School of Medicine Department of Hematology Osaka City University Graduate School of Medicine Department of Hematology Osaka Medical Center and Research Institute for Maternal and Child Health Department of Hematology Osaka Medical Center and Research Institute for Maternal and Child Health Department of Hematology Osaka Medical Center and Research Institute for Maternal and Child Health Department of Hematology Osaka Medical Center and Research Institute for Maternal and Child Health Department of Hematology Osaka Medical Center and Research Institute for Maternal and Child Health Department of Hematology	Niigata University Medical and Dental Hospital	Division of Bone Marrow Transplantation, Division of Hematology
NTT Kanto Medical Center Division of Hematology Department of Internal Medicine Ohta General Hospital, Ohta Nishinouchi Hospital Department of Pediatrics Oita Prefectural Hospital Oita Prefectural Hospital Oita Prefectural Hospital Department of Hematology Oita University Faculty of Medicine Department of Pediatrics and Child Neurology, Department of Brain and Nerve Science Oita University Hospital Hematology Medicine Oita Kouseiren Tsurumi Hospital Department of Hematology Okayama Rosai Hospital Department of Hematology Okayama University Hospital Department of Hematology Department of Hematology Okayama University Hospital Department of Hematology and Oncology Okayama University Hospital Department of Hematology Okayama University Hospital Department of Hematology Okayama University Hospital Department of Hematology Okawa Prefectural Nanbu Medical Center and Children's Medical Center Pediatric Hematology Osaka City University Graduate School of Medicine Department of Pediatrics Osaka City University Graduate School of Medicine Department of Hematology Osaka City University Graduate School of Medicine Department of Hematology Osaka Medical Center and Research Institute for Maternal and Child Health Department of Hematology Osaka Medical Center and Research Institute for Maternal and Child Health Department of Hematology Osaka Medical Center and Research Institute for Maternal and Child Health Department of Hematology Osaka Medical Center and Research Institute for Maternal and Child Health Department of Hematology Osaka Medical Center and Research Institute for Maternal and Child Health Department of Hematology Osaka City University Graduate School of Medicine	Nippon Medical School	Department of Pediatrics
NTT West Osaka Hospital Department of Internal Medicine Ohta General Hospital, Ohta Nishinouchi Hospital Department of Pediatrics Oita Prefectural Hospital Department of Pediatrics Oita Prefectural Hospital Department of Hematology Oita University Faculty of Medicine Department of Pediatrics and Child Neurology, Department of Brain and Nerve Science Oita University Hospital Hematology Medicine Department of Hematology Okayama Rosai Hospital Department of Hematology Okayama University Hospital Department of Hematology Department of Hematology Okayama University Hospital Department of Hematology and Oncology Okazaki City Hospital Department of Haematology Okinawa Prefectural Nanbu Medical Center and Children's Medical Center Pediatric Hematology Osaka City University Graduate School of Medicine Department of Hematology Osaka City University Graduate School of Medicine Department of Hematology Osaka City University Graduate School of Medicine Department of Hematology Osaka City University Graduate School of Medicine Department of Hematology Osaka City University Graduate School of Medicine Department of Hematology Osaka City University Graduate School of Medicine Department of Hematology Osaka City University Graduate School of Medicine Department of Hematology Osaka City University Graduate School of Medicine Department of Hematology	Nippon Medical School	Department of Internal Medicine Division of Hematology
Ohta General Hospital, Ohta Nishinouchi Hospital Department of Pediatrics Oita Prefectural Hospital Department of Hematology Oita University Faculty of Medicine Department of Pediatrics and Child Neurology, Department of Brain and Nerve Science Oita University Hospital Hematology Medicine Oita Kouseiren Tsurumi Hospital Department of Hematology Okayama Rosai Hospital Department of Medicine Okayama University Hospital Department of Hematology and Oncology Okazaki City Hospital Department of Hematology Okacity General Hospital Department of Hematology Osaka City University Graduate School of Medicine Department of Pediatrics Department of Hematology Osaka City University Graduate School of Medicine Department of Hematology Osaka City University Graduate School of Medicine Department of Hematology Osaka City University Graduate School of Medicine Department of Hematology Osaka City University Graduate School of Medicine Department of Hematology Osaka City University Graduate School of Medicine Department of Hematology	NTT Kanto Medical Center	Division of Hematology
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Okayama Rosai Hospital Okayama University Hospital Okayama University Hospital Okazaki City Hospital Osaka City General Hospital Osaka City University Graduate School of Medicine Department of Hematology Osaka City University Graduate School of Medicine Department of Hematology Osaka Medical Center and Research Institute for Maternal and Child Health Department of Hematology/Oncology	Oita University Hospital	Hematology Medicine
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Okayama University Hospital Department of Hematology and Oncology Okazaki City Hospital Department of Haematology Okinawa Prefectural Nanbu Medical Center and Children's Medical Center Pediatric Hematology/Oncology Osaka City General Hospital Division of Hematology Osaka City University Graduate School of Medicine Department of Pediatrics Osaka City University Graduate School of Medicine Department of Hematology Osaka City University Graduate School of Medicine Department of Hematology Osaka Medical Center and Research Institute for Maternal and Child Health Department of Hematology/Oncology	Okayama Rosai Hospital	Department of Medicine
Okazaki City Hospital Department of Haematology Okinawa Prefectural Nanbu Medical Center and Children's Medical Center Pediatric Hematology/Oncology Division of Hematology Osaka City University Graduate School of Medicine Department of Pediatrics Osaka City University Graduate School of Medicine Department of Hematology Osaka City University Graduate School of Medicine Department of Hematology Osaka Medical Center and Research Institute for Maternal and Child Health Department of Hematology/Oncology	Okayama University Hospital	Pediatrics
Okinawa Prefectural Nanbu Medical Center and Children's Medical Center Pediatric Hematology/Oncology Division of Hematology Osaka City University Graduate School of Medicine Department of Pediatrics Osaka City University Graduate School of Medicine Department of Hematology Osaka Medical Center and Research Institute for Maternal and Child Health Department of Hematology/Oncology	Okayama University Hospital	Department of Hematology and Oncology
Osaka City General Hospital Osaka City University Graduate School of Medicine Department of Pediatrics Osaka City University Graduate School of Medicine Department of Hematology Osaka Medical Center and Research Institute for Maternal and Child Health Department of Hematology/Oncology	Okazaki City Hospital	Department of Haematology
Osaka City University Graduate School of Medicine Department of Pediatrics Osaka City University Graduate School of Medicine Department of Hematology Osaka Medical Center and Research Institute for Maternal and Child Health Department of Hematology/Oncology	Okinawa Prefectural Nanbu Medical Center and Children's Medical Center	Pediatric Hematology/Oncology
Osaka City University Graduate School of Medicine Department of Hematology Osaka Medical Center and Research Institute for Maternal and Child Health Department of Hematology/Oncology	Osaka City General Hospital	Division of Hematology
Osaka Medical Center and Research Institute for Maternal and Child Health Department of Hematology/Oncology	Osaka City University Graduate School of Medicine	Department of Pediatrics
	Osaka City University Graduate School of Medicine	Department of Hematology
Osaka Medical Center For Cancer And Cardiovascular Diseases Department of Hematology/Oncology	Osaka Medical Center and Research Institute for Maternal and Child Health	Department of Hematology/Oncology
	Osaka Medical Center For Cancer And Cardiovascular Diseases	Department of Hematology/Oncology

Osaka Medical College Hospital	Department of Pediatrics
Osaka Red Cross Hospital	Department of Pediatrics
Osaka Red Cross Hospital	Department of Hematology
Osaka University Hospital	Department of Pediatrics
Osaka University Hospital	Department of Hematology and Oncology
OUR LADY OF SNOW medical juridical corporation ST.MARY'S HOSPITAL	Division of Hematology
Research Hospital ,The Institute of Medical Science, The University of Tokyo	Department of Pediatric Hematology / Oncology
Rinku General Medical Center Izumisano Municipal Hospital	Department of Internal Medicine
Ryukyu University Hospital	Cancer Centre
Saga Prefectural Hospital Koseikan	Department of Pediatrics
Saga University	Department of Pediatrics
Saiseikai Maebashi Hospital	Leukemia Research Center
Saitama Children's Medical Center	Division of Hematology/Oncology
Saitama Medical Center ,Saitama Medical University	Division of Hematology Department of Internal Medicine
Saitama Medical Center, Jichi Medical University	Division of Hematology
Saitama Medical University Hospital	Department of Pediatrics
Saitama Medical University International Medical Center	Department of Hematology
Sakai Hospital, Kinki University School of Medicine	Department of Internal Medicine
Saku Central Hospital	Internal Medicine
Sapporo City General Hospital	Division of Rheumatology & Hematology, Department of Medicine
Sapporo Hokuyu Hospital	Department of Hematology
Sapporo Medical University Hospital	Department of Pediatrics
Sapporo Medical University Hospital	First Department of Internal Medicine
Sapporo Medical University Hospital	Fourth Department of Internal Medicine
Sasebo City General Hospital	Department of hematology
Seirei Hamamatsu General Hospital	Department of Pediatrics
Seirei Hamamatsu General Hospital	Department of Hematology
Shiga Medical Center for Children	Department of Pediatrics
Shiga University of Medical Science	Department of Pediatrics
Shiga University of Medical Science	Internal Medicine
Shimane Prefectural Central Hospital	Department of Hematology and Oncology
Shimane University, Faculty of Medicine	Department of Pediatrics
Shimonoseki Kosei General Hospital	Division of Hematology, Department of Internal Medicine
Shinshu University Hospital	Department of Pediatrics
Shinshu University School of Medicine	Division of Hematology, Department of Internal medicine

Saizooka City Hospital Department of Homanology Saizooka City Hospital Department of Homanology Saizooka City Hospital Department of Homanology Saizooka Stateka Gross Hospital Department of Homanology Saizooka Stateka Gross Hospital Department of Pedatrics Saizooka Stateka Gross Hospital Department of Homanology Saizooka Gross Hospital Department of Homanology Saizooka Gross Hospital Department of Homanology Saizooka Gross Hospital Department of Homanology and Oscology, Department of Homanology Saizooka Gross Hospital Department of Homanology and Oscology, Department of Internal Medicine Saizooka Homanology Salzook of Medicine Saizooka Gross Hospital Department of Pedatrics Saizooka Gross University Salzook of Medicine Department of Homanology and Oscology, Department of Internal Medicine Saizooka Gross Hospital Department of Homanology and Oscology, Department of Internal Medicine Saizooka Gross Hospital Department of Homanology Department of Homanology Takanastos Rad Gross Hospital Department of Homanology Department of Homanology Department of Homanology Takanastos Rad Gross Hospital Department of Homanology Department of Homanology Department of Homanology Takanastos Rad Gross Hospital Department of Pedatrics Department of Pedatrics Department of Pedatrics Department of Pedatrics Teisco Caronology Alexandology Oncology Department of Pedatrics De	Shizuoka Children's Hospital	Division of Hematology and Oncology
Shizaoka Georari Hospital Department of Hernatology Shizaoka Red Coos Hospital Department of Hernatology Shizaoka Red Coos Hospital Department of Hernatology Shizaoka Stancika General Hospital Department of Hernatology Department of Hernatology Showa University Paligaoka Hospital Department of Hernatology Social Insurance Chokyo Hospital Department of Hernatology Social Insurance Kyoto Hospital Department of Politarities St. Mariaman Interestly School of Medicine Objects of Hernatology and Oncology, Department of Internal Medicine St. Mariaman Directly School of Medicine Department of Hernatology Department of Hernatology Social Hospital Department of Hernatology Depart	·	
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Shows University Fujigaoka Hospital Department of Pediatrics Shows University School of Medicine Department of Hematology Social Insurance Chukyo Hospital Department of Hematology Social Insurance Kyoto Hospital Department of Hematology Social Insurance Kyoto Hospital Department of Hematology and Oncology, Department of Internal Medicine St. Marianana University School of Medicine Yokolanna City Scibu Hospital Department of Pediatrics St. Marianana University School of Medicine Oncology Department of Pediatrics St. Marianana University School of Medicine Oncology Department of Pediatrics St. Marianana University School of Medicine Department of Hematology and Oncology, Department of Internal Medicine Sunabona Hospital Department of Hematology Sunabo Control Hospital Department of Hematology Takanobara Central Hospital Department of Hematology Department of Hematology Tokyo University School of Medicine Department of Hematology Department of Hematology Tokyo University School of Medicine Department of Hematology Department of Hematology Tokyo University School of Medicine Department of Hematology Department of Hematology Tokyo University School of Medicine Department of Pediatrics Department of Pediatrics Tokyo University School of Medicine Morosokachi Hospital Department of Pediatrics Department of Hematology Tokyo University School of Medicine Department of Hematology Department of Hematology Tokology Department of Hematology Department of Hematology Tokology Department of Hematology Department of Hematology Tokology Department of Hematology Tokology Department of Hematology Tokology Department of Hematology Tokology Department of Medicine Department of Hematology Department of Medicine Department of Hematology Department of Medicine Department of Hematology Departmen	Shizuoka Red Cross Hospital	Dept. of Hematology
Showa Linversity School of Medicine Secial Insurance Chukyo Hospital Department of Hematology Secial Insurance Kyoto Hospital Department of Internal Medicine St. Marianna University School of Medicine Yokohuma City Serba Hospital Division of Hematology and Otscology, Department of Internal Medicine St. Marianna University School of Medicine St. Marianna University School of Medicine St. Marianna University School of Medicine Division of Hematology and Otscology, Department of Internal Medicine St. Marianna University School of Medicine Division of Hematology Suzuka Guice Hospital Department of Hematology Division of Hematology Suzuka Guice Hospital Department of Hematology Department of Pediatrics Department of Pediatrics Department of Pediatrics Department of Pediatrics Department of Hematology Department of	Shizuoka Saiseikai General Hospital	Department of Hematology
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Social Insurance Kyote Hospital St. Marianna University School of Medicine Yokohama City Scibu Hospital Department of Pediatrics St. Marianna University School of Medicine St. Marianna University School of Medicine Department of Pediatrics St. Marianna University School of Medicine Department of Pediatrics St. Marianna University School of Medicine Department of Hematology Department of Hematolo	Showa University School of Medicine	Department of Hematology
St. Marianna University School of Medicine Yokohama City Scibu Hospital St. Luke's International Hospital St. Marianna University School of Medicine Sumitomo Hospital Department of Pediatrics St. Marianna University School of Medicine Sumitomo Hospital Department of Hematology Suzuka General Hospital Department of Hematology Suzuka Kaisei Hospital Department of Hematology Department of Hematology Takanasau Red Cross Hospital Department of Hematology Department of Hematology Department of Hematology Takanobara Central Hospital Department of Hematology Department of Pediatrics Department of Pediatrics Department of Pediatrics Department of Pediatrics Department of Hematology Department of Pediatrics Department of Hematology Department of Pediatrics Department of Pediat	Social Insurance Chukyo Hospital	Department of Hematology
St. Luke's International Hospital St. Mariannan University School of Medicine Department of Hematology St. Zaka Kaisei Hospital Department of Hematology Department of Hematology Takannatsu Red Cross Hospital Department of Hematology Department of Hematology Teklyo University School of Medicine Department of Pediatrics Department of Hematology Teklyo University School of Medicine Mizonokuchi Hospital Department of Hematology Department of Hematology Teni Hospital Department of Hematology Tokoku University Hospital Department of Pediatrics Tokoku University Hospital Department of Pediatrics Department of Hematology and Rhumatology Tokoku University Hospital Department of Hematology, Oncology & Rhumatology Tokai University School of Medicine Department of Hematology, Department of Medicine Department of Hematology, Department of Medicine Department of Hematology, Department of Medicine	Social Insurance Kyoto Hospital	Department of Internal Medicine
St. Marianna University School of Medicine Department of Pediatries St. Marianna University School of Medicine Division of Hematology Department of Hematology Suzuka General Hospital Department of Hematology Suzuka General Hospital Department of Hematology Suzuka Kaisci Hospital Department of Hematology Takamatsu Red Cross Hospital Department of Hematology Department of Hematology Department of Hematology Takanohara Central Hospital Department of Hematology Department of Hematology Department of Hematology Teikyo University School of Medicine Department of Pediatrics Department of Pediatrics Department of Pediatrics Tein Hospital Department of Pediatrics Department of Pediatrics Department of Pediatrics Tenri Hospital Department of Hematology Department of Hematology The Institute of Medical Science, The University of Tokyo Department of Hematology Department of Hematology Tochigi Cancer Center Department of Hematology Tochigi Cancer Center Department of Pediatrics Department of Pediatrics Tohoku University Hospital Department of Pediatrics Department of Pediatrics Department of Pediatrics Tohoku University Hospital Department of Pediatrics Department of Pediatrics Department of Pediatrics Tohoku University Hospital Department of Pediatrics Department of Pediatrics Department of Pediatrics Tohoku University Hospital Department of Pediatrics Departm	St. Marianna University School of Medicine Yokohama City Seibu Hospital	Division of Hematology and Oncology, Department of Internal Medicine
St. Marianna University School of Medicine Sumitomo Hospital Department of Hematology and Oncology, Department of Internal Medicine Department of Hematology Department of Pediatrics Teikyo University School of Medicine Department of Pediatrics Department of Pediatrics Department of Pediatrics Department of Pediatrics Department of Medical Science, The University of Tokyo Department of Hematology Department of Hematology Department of Medical Science, The University of Tokyo Department of Hematology Department of Pediatrics Department of Pediatrics Department of Pediatrics Department of Hematology Department of Hemat	St. Luke's International Hospital	Department of Pediatrics
Suzuka General Hospital Division of Hematology Suzuka Kaisei Hospital Department of Hematology Takamatsu Red Cross Hospital Department of Hematology Teikyo University School of Medicine Department of Pediatries Teikyo University School of Medicine Department of Hematology / Oncology Teikyo University School of Medicine Mizonokuchi Hospital Department of Pediatries Teine Keijinkai Hospital Department of Pediatries Tenri Hospital Department of Pediatries Tenri Hospital Department of Hematology The Institute of Medical Science, The University of Tokyo Department of Hematology The Tazuke Kofikai Medical Research Institute Kitano Hospital Department of Hematology Tochigi Cancer Center Department of Hematology Tokigi University Omori Medical Center First Department of Pediatries Tokoku University Hospital Department of Pediatries Tokoku University Hospital Department of Pediatries Tokoku University School of Medicine Department of Pediatries Department of Pediatries Tokoku University School of Medicine Department of Pediatries Department of Pediatries Tokoku University School of Medicine Department of Hematology, Oncology & Rheumatology Tokai University School of Medicine Department of Hematology, Oncology & Rheumatology Tokai University School of Medicine Department of Hematology, Oncology & Rheumatology Department of Hematology, Oncology & Department of Medicine Department of Hematology, Department of Medicine	St. Mariannna University School of Medicine	Department of Pediatrics
Suzuka General Hospital Suzuka Kaisei Hospital Department of Hematology Takamatsu Red Cross Hospital Department of Hematology Takanohara Central Hospital Department of Hematology Teikyo University School of Medicine Department of Hematology Department of Hematology Teikyo University School of Medicine Department of Pediatrics Department of Pediatrics Teine Keijinkai Hospital Department of Hematology Department of Hematology Tenti Hospital Department of Hematology Department of Hematology Tenti Hospital Department of Hematology Department of Hematology The Institute of Medical Science, The University of Tokyo Department of Hematology Tochigi Cancer Center Department of Hematology Tochigi Cancer Center Department of Hematology Tokou University Omori Medical Center Tokoku University Hospital Department of Pediatrics Department of Pediatrics Tohoku University School of Medicine Department of Hematology Tokai University School of Medicine Department of Hematology Rheumatology Tokai University School of Medicine Department of Hematology, Oncology & Rheumatology Tokai University School of Medicine Department of Hematology, Oncology & Rheumatology Tokai University School of Medicine Department of Hematology, Oncology & Rheumatology Department of Hematology, Oncology, Oncology	St. Mariannna University School of Medicine	Division of Hematology and Oncology, Department of Internal Medicine
Suzuka Kaisei Hospital Department of Hematology Takamatsu Red Cross Hospital Department of Hematology Takanohara Central Hospital Department of Hematology Teikyo University School of Medicine Department of Hematology / Oncology Teikyo University School of Medicine Department of Hematology / Oncology Teikyo University School of Medicine Mizonokuchi Hospital Department of Pediatrics Teine Keijinkai Hospital Department of Hematology Teni Hospital Department of Hematology Teni Hospital Department of Hematology Teni Hospital Department of Hematology The Institute of Medical Science, The University of Tokyo Department of Hematology Tokigi Cancer Center Department of Hematology Tokigi Cancer Center Department of Hematology Tokoku University Omori Medical Center First Department of Pediatrics Tohoku University Hospital Department of Pediatrics Tohoku University Hospital Department of Hematology and Rheumatology Tokai University School of Medicine Department of Hematology, Oncology & Rheumatology Tokai University School of Medicine Department of Hematology, Oncology & Rheumatology Tokai University School of Medicine Department of Hematology, Oncology & Rheumatology Tokai University School of Medicine Department of Hematology, Oncology & Rheumatology Tokai University School of Medicine Department of Breast and Endocrine Surgery Tokushima Red Cross Hospital Division of Hematology, Department of Medicine	Sumitomo Hospital	Department of Hematology
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Takanohara Central Hospital Department of Hematology Teikyo University School of Medicine Department of Pediatrics Teikyo University School of Medicine Department of Hematology / Oncology Teikyo University School of Medicine Mizonokuchi Hospital Department of Pediatrics Teine Keijinkai Hospital Department of Pediatrics Tenri Hospital Department of Pediatrics Tenri Hospital Department of Hematology The Institute of Medical Science, The University of Tokyo Department of Hematology / Oncology The Tazuke Kofukai Medical Research Institute Kitano Hospital Department of Hematology Tochigi Cancer Center Department of Hematology Tokou University Omori Medical Center First Department of Pediatrics Tohoku University Hospital Department of Pediatrics Department of Pediatrics Tokoku University Hospital Department of Pediatrics Tokoku University Hospital Department of Hematology and Rheumatology Tokai University School of Medicine Department of Cell Transplantation and Regenerative Medicine Tokai University School of Medicine Department of Hematology, Oncology & Rheumatology Tokai University School of Medicine Department of Hematology, Oncology & Rheumatology Tokai University School of Medicine Department of Hematology, Oncology & Rheumatology Tokai University School of Medicine Department of Breast and Endocrine Surgery Tokushima Red Cross Hospital Division of Hematology, Department of Medicine	Suzuka Kaisei Hospital	Department of Hematology
Teikyo University School of Medicine Department of Pediatrics Teikyo University School of Medicine Mizonokuchi Hospital Department of Hematology / Oncology Teikyo University School of Medicine Mizonokuchi Hospital Department of Pediatrics Teine Keijinkai Hospital Department of Pediatrics Tenri Hospital Department of Pediatrics Tenri Hospital Department of Hematology The Institute of Medical Science, The University of Tokyo Department of Hematology / Oncology The Tazuke Kofukai Medical Research Institute Kitano Hospital Department of Hematology Tochigi Cancer Center Department of Hematology Tokou University Onori Medical Center First Department of Pediatrics Tohoku University Hospital Department of Pediatrics Department of Pediatrics Tohoku University Hospital Department of Hematology and Rheumatology Tokai University School of Medicine Department of Hematology, Oncology & Rheumatology Tokai University School of Medicine Department of Hematology, Oncology & Rheumatology Tokai University School of Medicine Department of Hematology, Oncology & Rheumatology Tokai University School of Medicine Department of Breast and Endocrine Surgery Tokushima Red Cross Hospital Division of Hematology, Department of Medicine	Takamatsu Red Cross Hospital	Department of Hematology
Teikyo University School of Medicine Department of Hematology / Oncology Teikyo University School of Medicine Mizonokuchi Hospital Department of Pediatrics Teine Kejinkai Hospital Department of Hematology Tenri Hospital Department of Hematology Tenri Hospital Department of Hematology The Institute of Medical Science, The University of Tokyo Department of Hematology / Oncology The Tazuke Kofukai Medical Research Institute Kitano Hospital Department of Hematology Tochigi Cancer Center Department of Hematology Toho University Omori Medical Center First Department of Pediatrics Tohoku University Hospital Department of Pediatrics Department of Pediatrics Tohoku University Hospital Department of Hematology and Rheumatology Tokai University School of Medicine Department of Cell Transplantation and Regenerative Medicine Tokai University School of Medicine Department of Hematology, Oncology & Rheumatology Tokai University School of Medicine Department of Breast and Endocrine Surgery Tokushima Red Cross Hospital Division of Hematology, Department of Medicine	Takanohara Central Hospital	Department of Hematology
Teikyo University School of Medicine Mizonokuchi Hospital Department of Pediatrics Department of Hematology Tenri Hospital Department of Hematology Tenri Hospital Department of Hematology The Institute of Medical Science, The University of Tokyo Department of Hematology /Oncology The Tazuke Kofukai Medical Research Institute Kitano Hospital Department of Hematology Tochigi Cancer Center Department of Hematology Toho University Omori Medical Center First Department of Pediatrics Tohoku University Hospital Department of Pediatrics Tohoku University Hospital Department of Pediatrics Tokai University School of Medicine Department of Cell Transplantation and Regenerative Medicine Department of Hematology, Oncology & Rheumatology Tokai University School of Medicine Department of Breast and Endocrine Surgery Tokushima Red Cross Hospital Division of Hematology, Department of Medicine	Teikyo University School of Medicine	Department of Pediatrics
Teine Keijinkai Hospital Department of Hematology Tenri Hospital Department of Pediatrics Tenri Hospital Department of Hematology The Institute of Medical Science, The University of Tokyo Department of Hematology /Oncology The Tazuke Kofukai Medical Research Institute Kitano Hospital Department of Hematology Tochigi Cancer Center Department of Hematology Toho University Omori Medical Center First Department of Pediatrics Tohoku University Hospital Department of Pediatrics Tohoku University Hospital Department of Hematology and Rheumatology Tokai University School of Medicine Department of Cell Transplantation and Regenerative Medicine Tokai University School of Medicine Department of Hematology, Oncology & Rheumatology Tokai University School of Medicine Department of Breast and Endocrine Surgery Tokushima Red Cross Hospital Division of Hematology, Department of Medicine	Teikyo University School of Medicine	Department of Hematology / Oncology
Tenri Hospital Department of Pediatries Tenri Hospital Department of Hematology The Institute of Medical Science, The University of Tokyo Department of Hematology /Oncology The Tazuke Kofukai Medical Research Institute Kitano Hospital Department of Hematology Tochigi Cancer Center Department of Hematology Toho University Omori Medical Center First Department of Pediatrics Tohoku University Hospital Department of Pediatrics Tohoku University Hospital Department of Hematology and Rheumatology Tokai University School of Medicine Department of Cell Transplantation and Regenerative Medicine Tokai University School of Medicine Department of Hematology, Oncology & Rheumatology Tokai University School of Medicine Department of Breast and Endocrine Surgery Tokushima Red Cross Hospital Division of Hematology, Department of Medicine	Teikyo University School of Medicine Mizonokuchi Hospital	Department of Pediatrics
Tenri Hospital Department of Hematology The Institute of Medical Science, The University of Tokyo Department of Hematology / Oncology The Tazuke Kofukai Medical Research Institute Kitano Hospital Department of Hematology Tochigi Cancer Center Department of Hematology Toho University Omori Medical Center First Department of Pediatrics Tohoku University Hospital Department of Pediatrics Department of Hematology and Rheumatology Tokai University School of Medicine Department of Cell Transplantation and Regenerative Medicine Tokai University School of Medicine Department of Hematology, Oncology & Rheumatology Tokai University School of Medicine Department of Breast and Endocrine Surgery Tokushima Red Cross Hospital Division of Hematology, Department of Medicine	Teine Keijinkai Hospital	Department of Hematology
The Institute of Medical Science, The University of Tokyo Department of Hematology /Oncology The Tazuke Kofukai Medical Research Institute Kitano Hospital Department of Hematology Tochigi Cancer Center Department of Hematology Toho University Omori Medical Center First Department of Pediatrics Tohoku University Hospital Department of Pediatrics Tohoku University Hospital Department of Hematology and Rheumatology Tokai University School of Medicine Department of Cell Transplantation and Regenerative Medicine Tokai University School of Medicine Department of Breast and Endocrine Surgery Tokushima Red Cross Hospital Division of Hematology, Department of Medicine	Tenri Hospital	Department of Pediatrics
The Tazuke Kofukai Medical Research Institute Kitano Hospital Department of Hematology Tochigi Cancer Center Department of Hematology Toho University Omori Medical Center First Department of Pediatrics Department of Pediatrics Tohoku University Hospital Department of Hematology and Rheumatology Tokai University School of Medicine Department of Cell Transplantation and Regenerative Medicine Department of Hematology, Oncology & Rheumatology Tokai University School of Medicine Department of Breast and Endocrine Surgery Tokushima Red Cross Hospital Division of Hematology, Department of Medicine	Tenri Hospital	Department of Hematology
Tochigi Cancer Center Department of Hematology Toho University Omori Medical Center First Department of Pediatrics Department of Pediatrics Tohoku University Hospital Department of Hematology and Rheumatology Tokai University School of Medicine Department of Cell Transplantation and Regenerative Medicine Department of Hematology, Oncology & Rheumatology Tokai University School of Medicine Department of Breast and Endocrine Surgery Tokushima Red Cross Hospital Division of Hematology, Department of Medicine	The Institute of Medical Science, The University of Tokyo	Department of Hematology /Oncology
Toho University Omori Medical Center First Department of Pediatrics Department of Pediatrics Tohoku University Hospital Department of Hematology and Rheumatology Tokai University School of Medicine Department of Cell Transplantation and Regenerative Medicine Tokai University School of Medicine Department of Hematology, Oncology & Rheumatology Tokai University School of Medicine Department of Breast and Endocrine Surgery Tokushima Red Cross Hospital Division of Hematology, Department of Medicine	The Tazuke Kofukai Medical Research Institute Kitano Hospital	Department of Hematology
Tohoku University Hospital Department of Pediatrics Tohoku University Hospital Department of Hematology and Rheumatology Tokai University School of Medicine Department of Cell Transplantation and Regenerative Medicine Department of Hematology, Oncology & Rheumatology Tokai University School of Medicine Department of Breast and Endocrine Surgery Tokushima Red Cross Hospital Division of Hematology, Department of Medicine	Tochigi Cancer Center	Department of Hematology
Tohoku University Hospital Department of Hematology and Rheumatology Tokai University School of Medicine Department of Cell Transplantation and Regenerative Medicine Department of Hematology, Oncology & Rheumatology Tokai University School of Medicine Department of Breast and Endocrine Surgery Tokushima Red Cross Hospital Division of Hematology, Department of Medicine	Toho University Omori Medical Center	First Department of Pediatrics
Tokai University School of Medicine Department of Cell Transplantation and Regenerative Medicine Department of Hematology, Oncology & Rheumatology Tokai University School of Medicine Department of Breast and Endocrine Surgery Tokushima Red Cross Hospital Division of Hematology, Department of Medicine	Tohoku University Hospital	Department of Pediatrics
Tokai University School of Medicine Department of Hematology, Oncology & Rheumatology Tokai University School of Medicine Department of Breast and Endocrine Surgery Tokushima Red Cross Hospital Division of Hematology, Department of Medicine	Tohoku University Hospital	Department of Hematology and Rheumatology
Tokai University School of Medicine Department of Breast and Endocrine Surgery Tokushima Red Cross Hospital Division of Hematology, Department of Medicine	Tokai University School of Medicine	Department of Cell Transplantation and Regenerative Medicine
Tokushima Red Cross Hospital Division of Hematology, Department of Medicine	Tokai University School of Medicine	Department of Hematology, Oncology & Rheumatology
	Tokai University School of Medicine	Department of Breast and Endocrine Surgery
Tokushima University Hospital Department of Pediatrics	Tokushima Red Cross Hospital	Division of Hematology, Department of Medicine
	Tokushima University Hospital	Department of Pediatrics

Tokushima University Hospital	Department of Hematology
Tokuyama Central Hospital	Pediatrics
Tokyo Medical University Hospital	Department of Pediatrics
Tokyo Medical University Hospital	Department of Hematology
Tokyo Metropolitan Bokutoh Hospital	Department of Internal Medicine
Tokyo Metropolitan Cancer and Infectious Diseases Center-Komagome Hospital	Department of Pediatrics
Tokyo Metropolitan Fuchu Hospital	Department of Transfusion Medicine
Tokyo Metropolitan Geriatric Hospital	Department of Hematology
Tokyo Metropolitan Kiyose Children's Hospital	Department of Hematology and Oncology
Tokyo Metropolitan Cancer and Infectious Disease Center, Komagome Hospital	Hematology Division
Tokyo Metropolitan Cancer and Infectious Diseases Center-Komagome Hospital	Chemotherapy
Tokyo Women's Medical University Hospital	Department of Hematology
Toranomon Hospital	Department of Hematology
Tottori Prefectural Central Hospital	Department of Pediatrics
Tottori Prefectural Central Hospital	Department of Internal Medicine, Hematology
Tottori University	Department of Hematology/Oncology
Tottori University Faculty of Medicine	Division of Pediatrics and Perinatology/Multidisciplinary Internal Medicine
Toyama Prefectural Central Hospital	Hematology Department
Toyohashi Municipal Hospital	Department of Pediatrics
Toyota Memorial Hospital	Department of Hematology
Tsuchiura Kyodo General Hospital	Division of Hematology
Tsukuba Memorial Hospital	Department of Hematology
Tsukuba University Hospital	Department of Clinical and Experimental Hematology
Tsukuba University Hospital	Department of Urology
University of Fukui Hospital	Department of Pediatrics
University of Fukui Hospital	Division of Hematology & Oncology
University of Miyazaki Hospital	Division of Pediatrics Department of Reproductive and Developmental Medicine
University of Miyazaki Hospital	Division of Gastroenterology and Hematology
University of Occupational and Environmental Health, Japan	Department of Pediatrics
University of Occupational and Environmental Health, Japan	Cancer Chemotherapy Center • Hematology
University of the Ryukyu Hospital	Department of Pediatrics
University of Tokyo Hospital	Department of Pediatrics
University of Tokyo Hospital	Department of Cell Therapy and Transplantation Medicine
University of Toyama	Dept. of Pediatrics Graduate School of Medicine
University of Tsukuba	Department of Pediatrics Graduate School for Comprehensive Human Science

University of Yamanashi, Faculty of Medicine	Department of Pediatrics
University of Yamanashi, Faculty of Medicine	Department of Hematology and Oncology
Wakayama Medical University	Department of Hematology/Oncology
Wakayama Medical University, School of Medicine	Department of Pediatrics
Yamada Red Cross Hospital	Department of Internal Medicine
Yamagata University Hospital	Department of Pediatrics
Yamagata University School of Medicine	Department of Neurology, Hematology, Metabolism, Endocrinology and Diabetology
Yamaguchi University School of Medicine	Department of Pediatrics
Yamaguchi University School of Medicine	Third Department of Internal Medicine
Yamanashi Prefectural Central Hospital	Department of Medical Oncology
Yokohama City University Hospital	Department of Pediatrics
Yokohama City University Hospital	Department of Rheumatology/Hematology/Infectious Disease
Yokohama City University Medical Center	Department of Hematology



Korea (37centers)

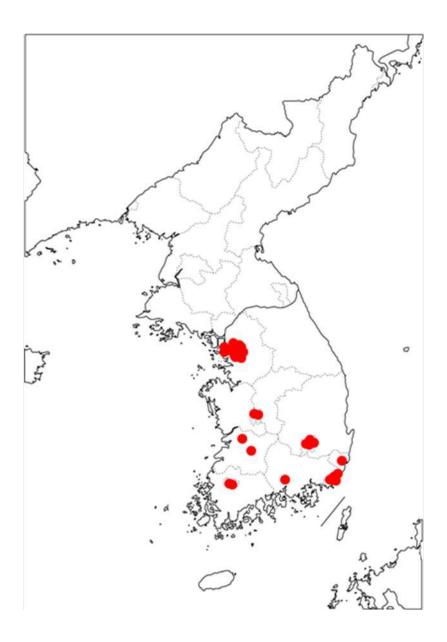
Coordinator: Dr.Chang- Ki Min

Supported by Korea Marrow Donor Program, Catholic Hemopoietic Stem Cell Bank, Korea Stem Cell

Transplantation Nurse Association

Transplantation Nurse Association
The Catholic University Seoul St. Mary's Hospital
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The Catholic University Our Lady Mercy Hospital
The Catholic University St. Vincent's Hospital
Gachon University Gil Hospital
Kyungpook National University Hospital
Gyeongsan National University Hospital
Kyung Hee University Hospital
Korea University Guro Hospital
Korea University Anam Hospital
Kosin University Gospel Hospital
National Cancer Center
Daegu Catholic University Hospital
Daegu Fatima Hospital
Dong-A University Hospital
Pusan National University Hospital
Seoul National University Hospital
Sungkyunkwan University Hospital
Soonchunhyang University Bucheon Hospital
Soonchunhyang University Seoul Hospital
Ajou University Hospital
Yonsei University Hospital
Yeungnam University Hospital
Ulsan University Asan Medical Center
Ulsan University Hospital
Wonkwang University Hospital
Korea Cancer Center Hospital
Ewha Womans Univesity Mokdong Hospital
Inje University Paik Hospital
Inha University Hospital
Chonnam National University Hwasun Hospital

Chonbuk National University Hospital
Chungnam National University Hospital
Pochon University Bundang CHA Hospital
Hallym University Hospital
Hanyang University Hospital
Chosun University Hospital

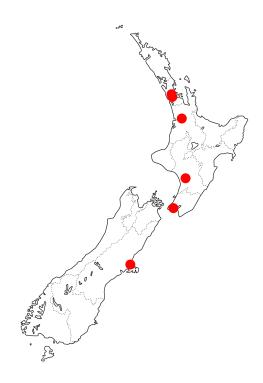


New Zealand (National Registry) 6 centers

Coordinator: Dr. Ian Nivison-Smith

Supported by Australasian Bone Marrow Transplant Recipient Registry (ABMTRR)

Auckland Hospital	Haematology Department
Christchurch Hospital	Department of Haematology
Palmerston North Hospital	Department of Haematology
Starship Hospital	Department of Haematology / Oncology
Waikato Hospital	Department of Haematology
Wellington Hospital	Haematology Department



Pakistan (2center)

National Institute of Blood Diseases	Dr. Tahir Shamsi
and Blood and Marrow Transplantation	Dr. Tasneem Farzana
The Aga Khan University Hospital	Dr. Salman Naseem Adil Dr. Natasha Ali



Taiwan (National Registry)

Coordinator: Dr. Tzeon-Jye Chiou

<u> </u>
Taipei Veterans General Hospital
National Taiwan University Hospital
Kaoshiung Medical University Hospital
China Medical University Hospital
Chang-Gung Memorial HospitalLinko
Chang-Hwa Christian Hospital
Tri Service General Hospital
Koo Foundation Hospital



Malaysia (National Registry) 10 Centers

Coordinator: Dr. Chan Lee Lee

Hospital Ampang, Kuala Lumpur	Haematology Department
Hospital Kuala Lumpur	Paediatrics BMT Unit, Institute Paediatrics
Gleneagles Medical Centre, Penang	Oncology-Haematology Department
Lam Wah Ee Hospital	Oncology-Haematology Department
Sime Darby Medical Centre	Haematology Department
Sime Darby Medical Centre	Paediatrics BMT Unit
Hospital Universiti Kebangsaan Malaysia	Maybank BMT Centre
University Malaya Medical Centre	Division of Haematology, Department of Medicine
University Malaya Medical Centre	Paediatric BMT Unit, Department of Paediatrics
Ampang Puteri Specialist Hospital	Haematology Department

(Pediatric 3 centers, Adults 7 centers, covering 100% of SCT in Malaysia)

Singapore (3centers/4departments)

National University Hospital	Department of Pediatrics	Dr. Poh-Lin Tan
	Department of Haematology	Dr. Koh Liang Piu
Singapore General Hospital	Department of Haematology	Dr. William Hwang
KK Hospital Women's and	Department of Paediatric Haematology and	Dr. Tan Ah Moy
Children's Hospital	Oncology	

(National Registry is under development.)

Thailand (5 centers/8 departments)

Coordinator: Dr. Saengsuree Jootar, Dr. Surapol Issaragrisil

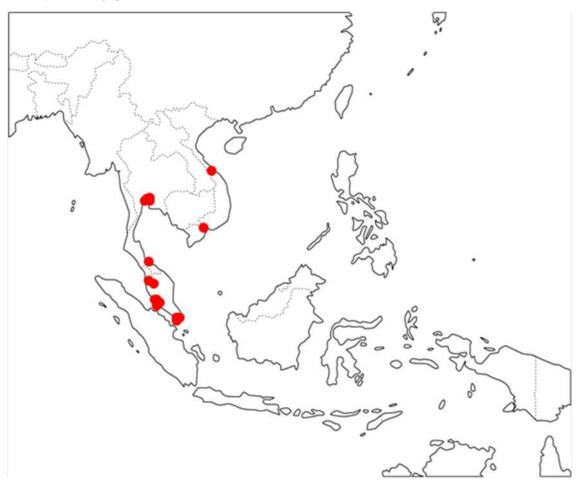
Faculty of Medicine Ramathibodi Hospital	Department of Medicine	
	Department of Pediatrics	
King Chulalongkorn Memorial Hospital	Medicine Department	
	Paediatrics Department	
The Army Hospital	Department of Pediatrics	
Prince of Songkla University Hospital	Department of Medicine	
Faculty of medicine Siriraj Hospital	Department of Mdeicine	
	Department of Pediatrics	

Vietnam (2 centers)

Coordiantor: Dr. Tran Van Binh

Blood	Transfusion	and	Department	of	Clinical	Dr. Tran Van Binh
Hematolo	gy Center		Hematology			
Hue Regional Hematology &					Dr. Nguyen Ngoc Minh	
Blood Transfusion Center						

(Malaysia, Singapore, Thailand and Vietnam)



Worldwide Network for Blood and Marrow Transplantation (WBMT)

The outline of WBMT

APBMT has increased its activity of collaboration with other international registries including European Group for Blood and Marrow Transplantation (EBMT), Center for International Blood and Marrow Transplant Research (CIBMTR), East Mediterranean Blood and Marrow Transplant (EMBMT), Australasian Bone Marrow Transplant Recipient Registry (ABMTRR) and other organizations for the collection of common transplant data sets during recent years.

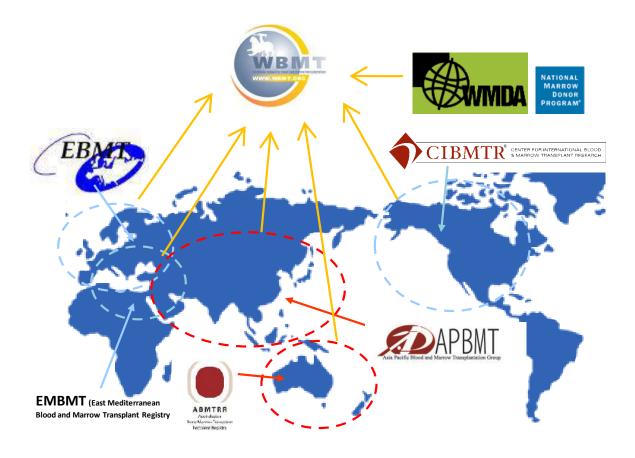


Figure: Global collaboration with primary registries

The Worldwide Network for Blood and Marrow Transplantation (WBMT) first meeting was held by EBMT, CIBMTR, the World Marrow Donor Association (WMDA), and APBMT at Lyon, France in March, 2007 and a total of 6 meetings have already been held until now.

- 1st: 2007, 3 Lyon, France
- 2nd: 2007, 11 Minneapolis, Minnesota, USA
- 3rd: 2008, 3 Firenze, Italy
- 2008, 9 Geneva, Switzerland (WHO)
- 4th: 2008, 11 Minneapolis, Minnesota, USA
- 2009, 2 Tampa, Florida, USA (Leaders' Meeting)
- 5th: 2009, 3 Goteborg, Sweden
- 6th: 2009, 4 Nagoya, Japan

The mission statement of WBMT has been confirmed to be the following through these meetings: promote excellence in HSCT, stem cell donation, cellular therapy (CT) and accreditation through collaboration of existing international societies using coordination, communication and advocacy.

APBMT agrees with this mission statement and will cooperate in the activities such as developing a global registry, providing data for research, facilitating the transplant system for undeveloped countries, and so on.

The participants of WBMT started working together to collect the global transplant data and to develop the global transplant center numbers (GTCN). The GTCN was the universal center identification number, not patients or products. WBMT will move on to establishing universal patient numbers in the near future.

Future WBMT meeting

The 7th WBMT meeting will be held on Nov. 8th~9th 2009 in Minneapolis, Minnesota, USA.

Website for WBMT: www.wbmt.org



WWBMT Meeting

18.00 – 19.15, Monday, 26 March, 2007 Room: Salon Tête d'Or C, Hilton Hotel EBMT 2007 Annual Meeting, Lyon

Participants: See list attached as appendix 1.

1. Goals & scope of a global organisation of outcome registries

Dietger Niederwieser (DN) thanked everyone for joining the meeting at short notice and invited participants to introduce themselves. Luc Noel of the World Health Organisation (WHO) was welcomed as a guest.

DN presented an overview of the agenda and the EBMT, and highlighted a number of problems currently faced which had led to this initiative to establish a worldwide network:

- Issues arising from EU Directives, illustrating the need to improve communication with regulators e.g. Import & Export
- Patient and Donor ID numbers / Centre ID problems
- Need for common data sets
- Continents without registries

M Horowtiz gave a brief overview of the Center for International Blood and Marrow Transplant Research (CIBMTR). Other organisations were invited to present themselves and comment on the goals and scope of the global network. Copies of the following slides presentations are included as appendix 2:

- Asia Pacific Blood and Marrow Transplant Registry (APBMT) presented by Yoshihisa Kodera
- Australasian Bone Marrow Transplant Recipient Registry (ABMTRR) presented by Jeff Szer
- World Marrow Donor Association (WMDA) presented by Torstein Egeland

There was general consensus on the value of:

- Sharing ideas & resources and learning from each other, without impacting on the independence of each group
- Developing a global outcomes registry to analyse progress in the field, provide data for research and improve activities
- Facilitating collaborative research
- Continuing the spirit of collaboration seen in the field over the last 20 years

In addition the following comments were made:

- Y Kodera advised that the situation of the BMT field in the Asia Pacific Region is more heterogeneous than in Europe and the US, but members of APBMT have a strong desire to create a registry of Asia Pacific countries and they will make an effort to promote willingness to collaborate
- Torstein Egeland appreciated WMDA's involvement in this collaborative effort and felt it to be very timely. He recognised the problems, but feels convinced that they can be solved.
- Alois Gratwohl pointed out the interest of National Authorities in having an overview of number of transplants in each country. The problem however is that health authorities use different definitions



and end up collecting different data. This highlighted the importance of agreeing clear and simple definitions of transplants and how to count them, rather than having definitions imposed from outside. It was recognised that the natural evolution will be for the authorities to look for outcome data and given the complexities in this area it would be particularly important to consider the issues involved and anticipate regulatory requirements

- Mary Horowtiz concluded with the philosophy that the best way for people to find a way of working together is to work together.

2. Topics addressed:

a) Maintaining consensus on a common data set for donors and recipients

The importance of working together to maintain a consensus on common data sets was acknowledged. It was recognised that this does not require the data to be collected on the same system or in the same way, but that compatible forms and agreed terminology are very important for ongoing and future collaboration.

b) Facilitating the development of regional registries

The CIBMTR and EBMT expressed their support for the development of regional registries and a willingness to share experience and facilitate data collection. It was pointed out that where different centres or countries in a region are reporting to either the EBMT or CIBMTR this data can be sent back to a regional registry and be used for analysis and planning purposes at the regional and national level. L Bouza referred to the value of being able to consult such data, particularly at the national level. D Niederwieser commented on the power of the data produced when a large number of centres come together.

c) Development of universal patient, donor and centre ID numbers

D Niederwieser presented ideas on a system to assign patient ID numbers both prospectively and retrospectively. He pointed to the need for a central generator of unique patient IDs without prejudicing the privacy of the donor, which means that the ID numbers cannot be stored anywhere. It was advised that the mathematics department at the University of Munich has been working on this for the last 4 year and it might be possible to collaborate and benefit from this work, rather than develop a separate system.

Anja Fischer from the University of Munich was welcomed and presented a software project 'PID generation for patients in clinical trials', which is a system employing encrypted names, birth dates and gender. A copy of the slides is included as appendix 3.

Feedback on the presentation highlighted a number of issues arising in the context of registry IDs:

- Difficulties with the use of names & date of birth
- The need to have one unique ID per patient, which is independent of disease or trials, rather than multiple IDs. The requirement being that no matter who/where the patient details are input, if certain fields are entered the same number should be produced (one-way generator)
- Individual number language domain to meet global requirements
- The important of first defining needs before looking at technical solutions

It was recognised that these problems could not be immediately solved, but the value of working towards the development of universal patient, donor and centre ID numbers was agreed and volunteers were invited to form a working group to look into the issues involved and propose a system.



Working Group members: L Bouza, R Brand, D Confer, A Fischer, Y Kodera, C Müller, D Niederwieser and D Rizzo,

Luc Noel congratulated these initiatives and commented that the stem cell transplant field is leading the way for harmonisation. He referred to the collaborative relationship recently established with national health authorities and the importance of continuing in this way. The development of a global network is something the WHO would strongly encourage and they will establish in the next months / year how they might support the initiatives arising from the network.

It was proposed that Alessandro Nanni Costa, on behalf of the National Authorities, and a US government representative might also be invited to participate as guests at future meetings.

d) Global survey of transplant activity

The introduction of a global survey, based on the EBMT Activity Survey, was identified as an important initiative which could be taken forward fairly quickly. It was agreed that this should be done in a decentralised way and that a working group should be established to review survey forms and ensure that the data is collected in the same way and at the same time. It will also be necessary to agree regional coverage and who will be responsible for collecting the data for each continent.

A Gratwohl was invited to chair the working group and volunteers from the different organisations and regions were invited to participate.

Working Group members: A Gratwohl, M Aljurf, L Bouzas, M Horowitz, P Jacobs, Y Kodera, M Nambu, J Szer and A Yoshimi.

3. Developing a charter

There was agreement on the name WWBMT (Worldwide Group for Blood and Marrow Transplantation) and comments were invited on a draft logo prepared by DN. The finalised logo is included in this document and a website has been set-up with the following URL: www.wwbmt.org

Due to shortage of time there was no discussion of the Mission statement, or how membership, meetings and working groups are to be organised. It was decided that in the meantime the location of WWBMT will be in Leipzig, Germany.

4. Other business & next meeting

The next meeting will be organised alongside the WMDA meeting in Minneapolis on 2 November 2007.

Dietger Niederwieser, EBMT Mary Horowitz, CIBMTR, Yoshika Kodera, APBMT

Jeff Szer, ABMTRR Torstein Egeland, WDMA Luc Noel, WHO Fiona Mc Donald, EBMT

WBMT Meeting

8.00 – 11.00, Saturday, 3 November, 2007

Room: Nicolett Room, Hilton Hotel Minneapolis

NMDP Council Meeting 2007 Minneapolis, MN, USA

Participants: See list on the last page.

Welcome and Introductory comments

Dietger Niederwieser (DN) thanked everyone for joining the meeting and invited participants to introduce themselves.

DN presented an overview of the agenda and the activities done in the past six months (see appendix introduction). The WWBMT meeting in Lyon resulted in four defined projects:

- 1. Development of universal patient, donor and centre ID numbers
- 2. Development of a global survey of transplant activity
- 3. Maintenance of consensus on a common data set for donors and recipients
- 4. Facilitation of the development of regional registries

The Working Groups which were set-up to take forward points 1 and 2 have been working on these issues and will give a report on their first findings and recommendations on how to proceed, and there will be the opportunity to participate in these discussions.

The second part of the meeting will focus on the structure and organisation of the network to develop a constitution document and bye-laws to govern the network.

The homepage is available: www.wbmt.org.

Mary Horowitz (MH) thanked NMDP and WMDA for hosting this meeting.

Yoshihisa Kodera (YK) reported that the Scientific Committee of the Asian Pacific Bone Marrow Transplant Group (APBMT) and the Board of Directors of the Japanese Marrow Donor Program (JMDP) have agreed to join the WBMT movement. They proposed that the WBMT meeting should be held in Asia in the near future (see appendix 1).

Torstein Egeland (TE) welcomed all participants.

Update of Working Group on development of global survey of transplant

GLOBAL SURVEY

Alois Gratwohl (AG) presented an overview (history and current status) of the Global Survey on HSCT Activity. This project started in 1990 within EBMT by sending simple questionnaires asking for the number of transplants done during the previous year. This started with 190 teams and included Europe only. Over time additional information is requested (reduced intensity conditioning, DLI, cord blood as a graft source, donor type, macro/micro economical factors, etc.). The survey has been published in Semin Hematol 2007 Oct: 44 (4): 220-6 and will be published in Bone Marrow Transplantation. For more information see appendix 2.

At the moment 95% of the European transplant centres report to the EBMT. The data are checked with the ProMISe database and are included in the JACIE accreditation process.

This group would like to expand to a global survey. The survey gives rapid information on current status (important for patient, physicians, health care providers and pharma industry), on differences in uses (incidence/prevalence of disease/economics) and fashion or trends (diffusion of technology).

Sergio Giralt pointed out that it will be difficult for South American countries. The transplant doctor is the only person that might speak English. All agreed that solutions have to be developed to reach each country (e.g. Chili, Mexico, Uruguay), but that in the end they will profit by participation. Machteld Oudshoorn (MO) offered to help with the South African data. Luis Fernando de Bouzas (LFB) will send the Brazilian data. A solution might be to apply for grant funding for logistics and for translating the forms.

Jon van Rood pointed out that the World Marrow Donor Association (WMDA) has a complete file from all countries in the world from the number of unrelated transplants. He also noted that the World Health Organization (WHO) is working on a global scale and that we should verify that there is no duplication of efforts but by working together we could all benefit. It was reported that WHO has already been contacted and was invited to attend the WBMT in Lyon.

TOWARDS A WW TRANSPLANT SURVEY INFRASTRUCTURE

Ronald Brand (RB) presented how a global survey could be implemented in a web based survey data management system (see appendix 3). Considerations to be discussed are:

- Consensus on definitions and categorizations by all stakeholders involved
- Operationally ready
- Stakeholder decisions:
 - o Level of refinement
 - Access to data
 - Aggregation possibilities
 - o Systems security and privacy protection
 - o Determination of who "owns" data

Mary Horowitz pointed out that software is not the issue; rather getting the centers to provide data (particularly the South American countries). We must consider:

- How to get centers to contribute and/or see the benefit
- Preparation of aggregated data that can be provided back to centers
- Generation of summarized reports

The USA centers now have to report data on all allogeneic transplants. She is concerned about asking people to fill in an additional survey. Autologous transplants in USA are done primarily in Community Hospitals and are not reported to anybody. Mary reminded the group that the CIBMTR now sponsors an International Studies Committee that could focus first on Latin America and the feasibility of introducing the worldwide survey.

Ronald Brand also suggested that we hold a meeting regarding the minimum common data elements prior to distribution of the 2007 survey version.

RESULTS OF FIRST TRANSPLANT ACTIVITY SURVEY IN ASIA FOR 2005

Ayami Yoshimi (AY) reminded the group that the APBMT has agreed to participate in the survey and to share data with the EBMT and CIBMTR; she then showed the recent situations and trends of SCT in Asian countries. Using simple survey forms, the number of all transplants performed until 2005 in Asian countries (according to indications, donor types, and stem cell sources) were collected. Seven countries participating in the APBMTG have submitted their transplant activity. The results show that the absolute number of transplants has been increasing in all Asian countries and were doubled in these 10 years (appendix 4).

All participants agreed these were impressive data.

COMPARISON OF JAPANESE AND EUROPEAN DATA

Alois Gratwohl (AG) noted the differences in numbers between APBMT and the EBMT especially as relates to disease indication. Mary Horowitz said to remember that most autologous transplants are done in "non pure" transplant centers and that differences in practices must be considered. She suggested also that one must use care in analyzing numbers but that estimates can be inferred from these data. All agreed that collection of allogeneic information will be more complete than that of autologous.

Update of Working Group on development of universal patient, donor ¢re ID numbers

INTRODUCTION

Dietger Niederwieser (DN) presented ideas on a system to assign patient ID numbers both prospectively and retrospectively. He said we need an ID number that works across all study groups, that eliminates double reporting and that can quickly identify donors. He pointed to the need for a central generator of unique patient IDs without prejudicing the privacy of the donor. In Lyon the mathematics department at the University of Munich presented a system which converted names into numbers. Unfortunately the Munich system worked perfectly for the German language, but can not be duplicated in other languages.

The problem is more complex than thought in the beginning. For EBMT and CIBMTR it is important to develop a unique number, because they need to know if the patient has had a prior transplant (i.e., previously reported) at the same or another center. Because there is not a consistent patient ID scheme, there is not a good way now to link reports of multiple transplants for the same patient in the outcomes databases.

IDEAS FROM WORKING GROUP

Roland Brand (RB) presented the ideas of the working group (see appendix 6). He presented the concept of using a fingerprint ID system where an image of a fingerprint could be converted into a number. He suggested contacting Phillips regarding collaboration on the design of such a system. There was a great deal of discussion with people generally concerned about security for the number, storage, public perception, etc.

Dietger Niederwieser summarized that there are three elements that require identification numbers: donors, centers and recipients.

- Donors are identified now through the centers that already have numbers (WMDA to oversee)
- Center numbers must take into account country and center (the priority now WBMT Working Group to oversee) - Douglas Rizzo to take the lead and meet with DN at ASH
- Identification of patients must be considered as a future endeavor

The group agreed that there are several sensitivity issues regarding the usage of a fingerprint ID system and it is too early to start working on this but this will stay under the guidance of Roland Brand.

Conclusion

- For donors is not necessary at the moment to create a worldwide registration system
 - WMDA to oversee
- For patients: diaits in the future
 - o working group under guidance R. Brand will work on this
- Global registries need to make a system to make numbers for countries/centres
 - o Doug Rizzo will work on this

Other projects

A. MAINTENANCE OF CONSENSUS ON A COMMON DATA SET FOR DONORS AND RECIPIENTS

RECIPIENTS

The Med A form has been revised and the same data are collected from all transplant centres by CIBMTR/EBMT. These are essentially the same data elements agreed to by the APBMT. The group decided to organize an annual meeting to review the data elements to prevent "form drift". This review will be done in conjunction with the WBMT meeting and will be integrated with the survey review at each meeting.

DONORS

Mary Horowitz pointed out that it is important to record the donor follow up for related as well as unrelated donors. She would like to define a common data set to follow donors. This should include short term (such as severe adverse events) and long term (such as late malignancies) follow-up. There is already experience in following donors in Japan (PBSC family donors/JMDP donors) and in Switzerland. The Swiss Registry has a legal obligation to start collecting/reporting donor follow-up data by January 1, 2007.

It was agreed to identify a "donor follow-up committee" that should present recommendations during the April 2008 WMDA meeting. Members recommended the following to sit on this committee: Evelyn Marry, France Greffe de Moelle, Paolo Anderlini, Yoshihisa Kodera (agrees to lead this committee), Jurg Halter.

FACILITATION OF THE DEVELOPMENT OF REGIONAL REGISTRIES

It was agreed by all that efforts must be placed in supporting the development of regional registries as they are closer to the issues and problems within their member countries. They are in a better position to facilitate data collection and sharing with the WBMT.

B. OTHER PROPOSALS FOR ACTIVITIES: Clinical Studies

It is too premature to discuss clinical studies however it was agreed to address this at the next meeting and to post clinical study opportunities, when available, on the WBMT website.

C. Organisation and structure of the WWBMT

Dietger Niederwieser presented the mission statement of the WWBMT:

W(W)BMT aims to promote excellence in stem cell transplantation

The membership is open to all countries (no single centers), stem cell transplant societies (national, regional and international), WMDA and representatives of authorities (US, EU, WHO). Emphasis will be placed on the regional societies to include them in the organizing phase and to sit on Board of Directors.

The WMDA has developed house rules, which are applicable for the WBMT network and should be used as a blueprint. Likewise, the WHO should be used as a blueprint for this Board of Directors. A task force is recommended to define membership, voting rules, profile of Board of Directors and the issue of a fee schedule. It was agreed however that a representative from the EBMT, CIBMTR, Middle Eastern, Oceanic and APBMT groups should hold seats on the Board.

D. Other business & next meeting

The next meeting will be organised alongside the WMDA meeting (April 2008, Bern, Switzerland). This has been changed now to Florence April 2nd starting at 15.00. The 2009 meeting will be organised in Asia.

Priorities were established to include:

- Common Data Elements (donors and recipients)
- Increase use of survey (Middle Eastern group survey in progress)
- Recipient ID number
- Encourage development of national registries
- Promote involvement of junior investigators/representatives

Dietger Niederwieser	Mary Horowitz	Yoshika Kodera
Torstein Egeland	Luc Noel	Lydia Foeken

Participants

Name	Organisation	E-mail
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Martin Maiers	NMDP	mmaiers@nmdp.org
Dietger Niederwieser	EBMT	dietger@medizin.uni-leipzig.de
Mary Horowitz	CIBMTR	krjackso@mcw.edu

The email address for Mary is really that of her secretary, Kim Jackson. Is that what you always use for her???? Otherwise Mary's own email is: maryth@mcw.edu. I personally advise you always use both when sending mail – that way her secretary can always track it.

FINAL MEETING REPORT

Meeting at World Health Organisation in Geneva

Subject WBMT / WHO **Date** 06/10/2008, 11.00

Attendees Dr. Luc Noël, Prof. D. Niederwieser, Prof. M. Horowitz, Prof. Y.

Kodera, Assoc. Prof. M. Oudshoorn, Dr. D. Confer, A. Mathuren, Ms

Mar Carmona, Dr Zhanat Carr

Ref

The purpose of this meeting was to present the WBMT and its members, to discuss and identify all collaboration opportunities between the WHO and the WBMT.

The meeting started with the presentations of the members of the WBMT:

Prof. Horowitz introduced the meeting by presenting the unrelated HTC outcome and the need for international cooperation.

(For all details on this presentation please see the power point presentation)

Key understanding of this presentation is:

HCT in contrast to other transplantation procedures is unique in that international collaboration is essential to provide the best possible and frequently the only available donor for the patient: 20 - 40% of patients have still no unrelated donor available and 40% of all unrelated donor HCTs involve a donor and recipient in another country or continent of the patient.

This, as a consequence, implies that the following improvements are developed:

- Safety: standards for recruitment, procurement, treatment
- Harmonization: ensuring that differing national regulations do not impede access
- Awareness: physicians and patients must think of HCT early in course of patient's diseases
- Research: observational and clinical trials
- Education: disseminating the results of research, best practices

Prof. Horowitz underlined the lack of awareness of HCT:

- Only few patients were referred to HCT
- Because of the perceived low survival rates physicians are reluctant to refer patients
- Rates of HCT are linked with the economical health
- Prof. Niederwieser presented the EBMT in a nutshell: figures, structure (For all details on this presentation please see the power point presentation)

Dr. Confer introduced the American societies

(For all details on this presentation please see the power point presentation)

- ASBMT
- AABB
- o ISCT
- FACT
- CIBMTR
- NMDP

Prof. Kodera introduced the APBMT :

During his presentation, Prof. Kodera raised the question of donor's information very closely linked to donor's safety

This is a specific point in Japan as there is a Donor Casualty Insurance which requires pre-registration with eligibility standards for HSC donors.

Professor Kodera recommends that the WHO drafts guidelines to set a global regulation for donors pre-registration in order to ensure donors safety and offer a better understanding of donors events.

Assoc. Prof. Oudshoorn introduced the WMDA

(For all details on this presentation please see the power point presentation) This presentation focused on Donors registries. The WMDA is aiming at building donors registries which should lead the increase of International exchange. WMDA has developed an accreditation programme for unrelated donors registries.

Assoc. Prof. Oudshoorn also presented AHCTA, which seemed of big interest for the Dr. Noel as the association works to harmonize standards and compare regulatory requirements. The important point of AHCTA is that it was founded by the main standard-setting organizations in the field of HCT.

Prof. Niederwieser presented the WBMT

The focus was on the key objectives of the WBMT

- Harmonize quality, education and accreditation at a global level
- Consult politicians, national authorities
- Provide help for developing countries
- <u>Dr. Noël</u> underlined how happy he was with the developments of the WBMT, mentioning that the WHO needed representatives of the STC community to talk with.

He also explained how the WBMT could become an NGO in official relation with the WHO, detailing what this represents on a practical point of view:

- Using the WHO logo on communication on topics of collaboration
- · Issuing joint statements
- Intervene as a speaker during the general assembly

- Reporting activities
- The WHO will "control" the origin of the fundings
- WBMT will not become a member of the WHO; it's more the idea of sharing views.
- On a practical point of view it should be feasible to obtain the "NGO in official relation" status by 2010
- Considering the implication of the WHO in transplantation he presented the structure as follows :
 - Transplantation is under the responsibility of the clinical procedure unit (CPR) in the department of Essential Health Technologies (EHT)
 - o This encompasses Cells, Tissues & Organs Transplantation
 - o The main financial contributor is the Spanish authorities for about 640.000 € per biennium.
- o On a more regulatory point of view, SCT is included in the WHO guiding principles on Human Cell, Tissue and Organ transplantation.
 - The first guiding principles (GP) were issued in 1987 and adopted by the World Health Assembly which is the governing body of the WHO.
 - These GP are now being reviewed according to resolution 57.18
 - The new GP have been elaborated with the focus on setting the responsibilities for the National Authorities, the need for more information and improving the access to transplantation.
- WHO's priority is not focussed on clinical guidelines but on health system issues, on legislative and organisational networks, threats and responses (ethics & safety) and normative work.

The WHO encourages the global scientific and professional societies to formulate guidelines for the clinical area

To achieve this the WHO recommends to make sure that the WBMT gets everybody together.

Dr. Noel then listed the primary collaborative activities:

- An information tool, the global knowledge (GKT) base on transplantation has 4 components:
 - GKT 1 activities and practices
 - GKT 2 legal and organizational framework
 - GKT 3 threats and responses (safety and ethics)
 - GKT 4 xenotransplantation
- Contribution to GKT 1 (Global Knowledge base on Transplantation)
 - o BMT
 - HSC donation

- Coding promotion of global coding systems for products, patients and donors
- Improve SC donation
- Improve access to SCT
- Disseminate objective information on SCT including vigilance and surveillance results

<u>Dr. Noel</u> then suggested as a first concrete collaborative activity to develop a consultation that would address the requirements for the practice of SCT in constrained resource environments. This meeting could be held in Vietnam by the end of 2009. This consultation could be prepared through a number of pre-meetings led by a steering group. The approximate cost would be around 100.000 \$.

The WHO would manage to finance this project through funding proposals to third parties.

The third part of the meeting was on identifying the topics of common interest for WHO and WBMT:

The topics of common interest:

- Vigilance & surveillance (there is a programme on-going funded by EUSTITE) WHO is a partner in the DG SANCO funded EUSTITE projects. EUSTITE stands for European Union Standards and Training for the Inspection of Tissues Establishments. WHO is in charge of Vigilance and Surveillance.
- World Day
- Public Awareness
- Technical harmonization

WBMT could act as an umbrella and provide guidance with the support of the WHO

Guidance for Nuclear Accidents

Templates for data collection

Access to new countries

On the other hand WBMT expressed the following needs:

Physicians and public awareness:

There is insufficient awareness of SCT amongst physicians who are reluctant to suggest SCT to their patients and obviously amongst patients who are not aware of this treatment opportunity and don't raise the question to their doctor.

- Funding for research
- Funding for transplants

- There is a need for funding to enable an equitable access for all patients
- There is a need for extending transplant access to the poor countries

The conclusion of these three points is a critical need for raising public awareness.

This awareness can cover economic evidence by demonstrating that the costs with or without BMT can be similar or even more cost effective..

<u>Dr. Noel</u> mentioned the competitive advantage of SCT should be documented to support a new World Health Assembly resolution in 2013.

Regarding Vigilance & surveillance there can be an opportunity of developing tools to identify Severe Adverse Events.

The WHO is particularly involved as this is an international issue.

Global tools are currently developed by the WHO and will be the topic of a future meeting where the WBMT will be invited to participate at and be fully involved in the development process.

Regarding the World Day for SCT, <u>Dr. Noel</u> explained that the WHO is not supportive of such an event as there are already too many "days".

The current World Day of Organ Donation and Transplantation (WDODT) is not an official WHO day but it is supported.

It makes sense to group all transplantations and seek the maximum impact for donation of human body parts for therapeutic purpose.

He recommends joining the WDODT for next year. It will be celebrated in Berlin on 4 October 2009.

Contact person is Günther Kirste Head of DSO

Finally <u>Dr. Noel</u> suggested that the WBMT should work on a proposal before the end of this year or as soon as WBMT has a clear idea of activities or projects that could developed with the support of the WHO.

WBMT should also brainstorm on a concept for the WD and liaise with the WHO in December to work it out together with the organisers of the WD for organ transplant.

The meeting closes on 16.00.

Alain Mathuren



Worldwide Network for Blood and Marrow Transplantation (WBMT)

Minneapolis, MN Downtown Hilton Hotel Ramsey Room

November 7, 2008 5:00-8:00 PM

PARTICIPANTS:

Present	Member Society	Country
Aljurf, Mahmoud	Eastern Mediterranean Registry	Saudi Arabia
Baldomero, Helen	EBMT	Switzerland
Confer, Dennis	NMDP	USA
Egeland, Torstein	WMDA	Norway
Horowitz, Mary	CIBMTR	USA
Mitterschiffthaler, Andrea	Austrian Registry	Austria
Mueller, Carlheinz	ZKRD	Germany
Niederwieser, Dietger	EBMT	Germany
Okamoto, Shinichiro	APBMT	Japan
Oudshoorn, Machteld	WMDA	The Netherlands
Rosemayr, Agatha	Austrian Registry	Austria
Schwabe, Rudolf	Swiss BSC	Switzerland
Suzuki, Ritsuro	APBMT	Japan
Yang, Edward	Taiwan Marrow Donor Registry	Taiwan
Staff and Guests		
Boo, Michael	NMDP	USA
Doleysh, Carol	CIBMTR	USA
Eapen, Mary	CIBMTR	USA
Foeken, Lydia	WMDA	The Netherlands
Khoo, Huoy-Jii	CIBMTR	USA
Lee, Stephanie	Fred Hutchinson Cancer Center	USA
Pasquini, Marcelo	CIBMTR	USA
Watry, Paula	CIBMTR	USA
Wu, Roy	National Cancer Institute	USA

I. Welcome, Introductions:

Dr. Dietger Niederwieser opened this 4th meeting of the WBMT. All in attendance introduced themselves. He provided an overview of the agenda for this meeting.

II. Minutes:

Minutes of the 3rd meeting held in Florence, Italy in March 2008 were not available for review.

III. World Health Organization Initiative:

Led by: Dietger Niederwieser

Discussion Highlights:

- Drs. Niederwieser, Horowitz, Confer, Kodera and Oudshoorn invited by Dr. L. Noëll to 10/6/08 meeting of WHO in Geneva
 - WHO proposed WBMT become a Non-Government Organization (NGO) having official relationship with WHO
 - Interested in collaborating with WBMT as "single voice" for worldwide transplantation issues/activities
 - Hematopoietic stem cell transplantation (HCT) included in WHO "Guiding Principles" on Human Cell, Tissue and Organ Transplantation
 - Privileges would include:
 - Use of WHO logo
 - Authority to collaborate on Joint Statements
 - Support World Health Assembly resolution(next in 2012 asked to "support"
 - Report activities
 - o If agree, could become formalized as early as 2010
 - Suggested support of Transplantation Day (10/4/09) but must organize by December 2008 ("much work, little impact")
 - Must decide if wish to proceed (pros/cons discussed)
 - WHO with low level funding, but worldwide respect
 - Many topics of common interest
 - Increase MD and public awareness
 - Access to countries developing HCT Programs
 - Help stifle exploitation in developing countries
 - Want to be involved in donor and patient safety matters; accreditation
 - Avoid duplicative efforts/systems internationally
 - Transplant community depends on international collaboration – especially due to use of unrelated products crossing borders
 - Needed to meet needs of transplants in minority groups
 - Fits with some original goals of WBMT
 - Those with previous experience with WHO note that "you do all the work" but "doors opened with WHO brand"
 - Will invite someone else if not WBMT; in best interest to participate – we should do the guiding

- Vietnam mentioned re: WHO proposal to organize a WBMT meeting (late 2009) in a country where HCT emerging
 - Invite regulators to suggest minimum guidelines for donor and patient safety
 - Prepare with pre-meetings led by steering group (WBMT?)
 - Approximate cost ~ 100.000 \$ funded by WHO
 - Registries/CB Banks serve local patients but also serving patients worldwide
- General agreement that should accept WHO proposal to become NGO

Action Items:

- 1. Organize better to become involved
- 2. Develop formal WBMT Bylaws
- 3. Develop a "mission vision" soon
 - a. Currently: "promote excellence in stem cell transplantation and cellular therapy"
- 4. Include countries other than original WBMT organizers
- 5. Communicate with Dr. Noëll/WHO
- 6. Begin preparation for application/possible WBMT meeting in Asia next year

IV. WBMT Bylaws:

Led by: Dennis Confer (see attachment for proposed WBMT structure discussion)

Discussion Highlights:

- Requires legal credentialing in some location
 - Is a non-profit organization
 - Foundation regulations differ by country
 - o Assure no taxes
 - o If entity in one country can settle office in another?
- Members = voting privileges; representative from each member society; sit on "Membership Council"
 - Each member society chooses own representative to sit on Membership Council (~20)
 - o Potential additional member societies to be approached include:
 - APBMTTR (Jeff Szer)
 - AABB (Dennis Confer)
 - ISCT (Dietger Niederwieser)
 - ASBMT (Mary Horowitz/Dennis Confer)
 - FACT (Mary Horowitz/Dennis Confer)
 - JACIE (Mahmoud Aljurf)
 - NETCORD (Michael Boo)
 - EUROCORD (Mary Horowitz)
 - ASHI (Dennis Confer)
 - EFI (Torstein Egeland)
 - AHCTA (Dietger Niederwieser)

- Described various configurations of "Executive Board". Agreed to:
 - 1 president to run meetings; elected by Board
 - Sequence as President-Elect, then President, then Past-President
 - These 3 positions hold 2 year terms/"Executives"
 - Voting privileges
 - Need 3 people at onset for this 1 position; determine term stagger plan
 - 1 Secretary/Treasurer
 - Voting privileges
 - o 4 committee Chairs (see below); appointed by Board
 - "Vice Chairs/Vice Presidents"?
 - 3 year terms; can be more flexible; year to year commitment
 - Ex-officio; non-voting
- WBMT to meet minimum of twice annually; Officer teleconferences more frequently
- All member societies must meet certain criteria:
 - o Professional societies with international membership
 - o Outcomes registries with international data collections
 - Accrediting organizations with international scope
 - o Scientific societies with international membership
- Concept open include societies/organizations, not individuals
- Three groups (committees) in original plan
 - Transplant Centers
 - o Donor Issues
 - Graft Processing
- All agreed need an Accreditation Committee also work with AHCTA
- Issue of finances:
 - Need for office, logo/trademark, meeting support
 - o Begin with 5-10,000 Euros
 - Interim plan = internal organizations to support temporarily; when expand membership, decide re: membership fee schedule
- Meeting coordination handled by administrative support from current leader organizations
 - EBMT/WMDA/CIBMTR
 - Meetings to be staggered; consider geographic proximity for administrative support

Action Items:

- 1. Current leaders to contact key officers in potential member societies; invite to next meeting (see above listing)
- 2. Michael Boo to consult with attorneys who have expertise in International Law
- 3. Dietger Niederwieser to seek legal consultation in Europe
- 4. Circulate opinions prior to next meeting
- 5. Administrative staff members from EBMT/WMDA/CIBMTR to collaborate

V. Global Survey:

A - Led by: Helen Baldomero (see attachment for further survey details)

Discussion Highlights A: EBMT

- Provided background of EBMT global activity survey dating back to 1990 (led by Alois Gratwohl and Helen Baldomero)
- Previously Europe only; included
 - Current status (main indication, donor type, stem cell source)
 - Comparisons (within region, between regions, population, economics)
 - Analysis (absolute numbers, by population)
 - Trends
- Data shown tonight (for 2006) is first time survey done for WBMT; includes data from:
 - Australia/NZ, Brazil, Europe, Japan, US and Eastern Mediterranean Regional Organization (EMRO)
 - Compared auto/allo, main indications of each, breakdown of Leukemias and MDS
 - Next steps:
 - Compare data with those from the CIBMTR International Studies Working Committee; common interests
 - Want to seek data from Canada, Mexico, South America and Africa; integrate into next survey
 - Electronic format under development
 - Finalize tables, submit manuscript, begin collecting 2007 data
 - Separate survey for non-hematopoietic uses (eg. tissue repair)
 - CIBMTR Cellular Therapy Working Committee has developed Common Data Elements having collaborated with Katarina LeBlanc
 - Liaised with Cardiology and Neurology groups
 - Registration only now; no follow-up/temporarily
 - Major question: "should include non-hematopoietic uses in WBMT activity survey initiative?"
 - All agreed "no" will define as hematopoietic sources only

B Led by: Mahmoud Aljurf (see attachment for further survey details)

Discussion Highlights B – Eastern Mediterranean Regional Organization

- 21 countries define the region; 9 have active HCT Programs
- Meeting next week in Dubai to formalize structure/bylaws
- Total of 7617 procedures (mostly allos) done from data collected as late as October 2007 in some of these countries
- Regional Registry under development; 2 stages
 - Internal regional survey; for publication in BMT
 - Auto/Allo cell source, indications, trends noted
 - Broader survey using Dr. Gratwohl's activity survey
- Cord Blood (institutional banking) Program initiated
- Unrelated registry planned

Action Items:

- 1. Integrate other countries in future WBMT activity survey
- 2. Helen Baldomero and Marcelo Pasquini to collaborate on acquiring data from South America and Mexico
- 3. Both to collaborate on common data elements from CIBMTR Cellular Therapy WC

VI. Global Donor Follow-Up:

Led by: Rudolph Schwabe (presenting for Dr. J. Halter)

Discussion Highlights:

- Initial study rationale (1 retrospective study, 1 prospective study)
 - Followed long term adverse events using G-CSF
 - Found no evidence of risk in unrelated donors; not sufficient data in matched related donors
- Swiss study followed patients for 1 year, small "n"; used ProMISe
- Global donor follow-up just underway
 - Hope to define minimum data set
 - o Next develop common data elements for this dataset
 - Looking for partners
 - Mary Horowitz suggested collaborating with NMDP on an upcoming project

Action Items:

1. Pls of reported global study to follow-up with NMDP/CIBMTR

VII. Fingerprint for identifying patients (pilot study up-date)

Led by: Dietger Niederwieser (reporting for Roland Brand)

Discussion Highlights:

- Investigative project "working"; needs more work
- All agreed this method is best approach for confidentiality if proves feasible

Action Items:

1. Continue work in progress; report updates at next meeting

VIII. Global transplant center number (GTCN)

Led by: Dietger Niederwieser

Discussion Highlights:

- String of established numbers proposed
 - o 1st 5 digits = EBMT center number
 - o 2nd 5 digits = CIBMTR center number
 - Last 6 digits = APBMT center number

- If numbers lacking in all 3 societies, establish new, unique 16 digit number; system must double-check 3 times first
- Do systems have enough fields for that many numbers? all agreed "yes"
 - Some linking required; need only your own society center number for cross reference

Action Items:

1. Continue work in progress; report updates at next meeting

IX. <u>Update on AGNIS and plans for developing a way to implement a data pipeline</u> <u>for data sharing between CIBMTR, EBMT and Eurocord</u>

Led by: J. Douglas Rizzo

Discussion Highlights:

- System requires caDSR defined common data elements (CDEs); curation most laborious
 - ~60% complete
 - Started with forms containing HRSA requirements; by December curation for the following series will be complete
 - Pre-TED (finished already)
 - Post-TED (finished soon)
 - Infusion/HLA/IDM forms either completed or will be soon
 - Death Form
- Regarding Research Forms (2000, 2100, 2200, 2300) = Med B
 - Next step is to communicate with Carmen Ruiz
 - Must map to CDE; tedious work
- Delayed on plans for data exchange with EBMT/Eurocord
 - Must successfully transmit data from EBMT next
- Summary: must curate/define all CDS before can exchange
- Funding now available for a full time staff member in Europe for mapping tasks; then can attempt exchange

Action Items:

1. Continue work in progress; report at next meeting

X. Other Business:

1. Plans for next meeting:

Dr. Niederwieser announced that the next WBMT meeting will be held in Göteborg on March 30, 2009 from 1700-2000.

The subsequent meeting of the WBMT will be held soon thereafter in Nagoya in April, 2009. It is agreed in advance that agenda items will differ at each.

With no other business the meeting was adjourned at 8:00 PM CST.



Minutes of the 6th Meeting

Worldwide Network for Blood and Marrow Transplantation

Göteborg Convention Centre Sweden

30 March 2009 16:30 - 19:30 PM

PARTICIPANTS:

Present	Member Society	Country
Aljurf, Mahmoud	Eastern Mediterranean Registry	Saudi Arabia
Baldomero, Helen	EBMT	Switzerland
Confer, Dennis	NMDP	USA
Egeland, Torstein	WMDA	Norway
Horowitz, Mary	CIBMTR	USA
Kodera, Yoshihisa	APBMT	Japan
Suzuki, Ritsuro	APBMT	Japan
Yoshimi, Ayami	APBMT	Japan
Koichi, M	APBMT	Japan
Novitsky, Nicolas	South Africa transplant Society	South Africa
Kato, Shunichi	Japan Cord Blood Bank Network	Japan
Lanza, Francesco	ISCT	Italy
Gluckman, Eliane	Eurocord, Netcord	France
Garcia, Joan	Netcord	Spain
Nicoloso, Gracia	Swiss Blood Stem Cells	Switzerland
Greinix, Hildegard	WMDA	Austria
Gratowhl, Alois	EBMT Activity Survey	Switzerland
Ljungman, Per	EBMT	Sweden
Brand, Ronald	EBMT	The Netherlands
Barrett, John	ASBMT	USA
Chandy, Mammen	CMC, Vellore	India
Goldman, John	Imperial College London	UK
Gahrton, Gösta	Karolinska Institute, Stockholm	Sweden
Mitterschiffthaler, Andrea	Austrian Registry (ABMDR)	Austria
Rosenmayer, Agathe	Austrian Registry (ABMDR)	Austria
Niederwieser, Dietger	EBMT	Germany
Oudshoorn, Machteld	WMDA	The Netherlands
Slaper-Cortenbach, Ineke	JACIE / ISCT Europe	The Netherlands
Pamphillon, Derwood	JACIE	UK
Chabannon, Christian	JACIE	France

Staff and Guests		
Boo, Michael	NMDP	USA
Lowe, Leonhard	Congrex	Switzerland
Rizzo, Doug	CIBMTR	USA
Eapen, Mary	CIBMTR	USA
Pasquini, Marcelo	CIBMTR	USA
Foeken, Lydia	WMDA	The Netherlands
Van der Most, Marco	EBMT	The Netherlands
Mc Grath, Eoin	JACIE	Barcelona
Mc Donald, Fiona	EBMT	Spain

Connected via teleconference: Loper, Kathy, AABB, USA

1. Opening remarks and introductions:

Dietger Niederwieser opened the 6th meeting of the WBMT, welcoming representatives of organizations eligible for membership in WBMT and providing an overview of the meeting agenda. All attendants introduced themselves.

2. Minutes:

Minutes of the 4th meeting held in Minneapolis, US on 7 November 2008 were approved. Minutes of the 5th meeting held in Tampa, US on February 2009 were approved.

3. Brief overview / update of WBMT and its goals

WBMT started in Lyon two years ago. The initial goal is to set up a federation of member organizations working in the field of stem cell transplantation (SCT) and cellular therapy (CT). Initiatives of the WBMT are:

- Survey of worldwide transplant activity A. Gratwohl
- Global Center Numbers
- Global Donor Follow-up
- Finger print for identifying patients (pilot study)
- Contact point for WHO:
 - WHO would like to have one contact point to represent all societies
 - WBMT will work on an NGO relationship with the WHO
 - WHO is working to establish SCT in emerging countries

WBMT is an open network, where all international organizations active in the field of SCT and CT are invited to participate. The founding members have tried to approach all organisations active in the field. If organizations are missing they are welcome to apply to join the network as Voting or Non voting members according to the bylaws. There is no competition between organizations.

All Voting members can appoint one representative and one alternate to attend the WBMT Board Meetings. If an organization does not meet the criteria for voting membership, representatives can attend the WBMT board meeting as a non-voting member.

WBMT has an Executive Committee (President, President-Elect/ Past-President-past, Vice President and Secretary/Treasurer). The expenses (meeting costs) are currently covered by the four founding organizations (EBMT, CIBMTR, APBMT and WMDA).

4. Legal structure: presentation and discussion of options

- Leonhard Loew of Congrex presented an overview of the criteria for incorporation
 of the WBMT as a legal entity and evaluation of the options for incorporating in a
 selection of European countries (slides included as appendix 1)
 - The recommendation from an organizational perspective was to establish a Society in Switzerland. In Switzerland a Society can be established with immediate effect. The byelaws do not have to be reviewed by a notary and they can be written in any language. Regulations in Germany were considerably more restrictive.
- Michael Boo reported on the US situation
 - It was advised that the options in the US were no more favorable than in Switzerland

Based on these recommendations it was concluded that the WBMT should be established as a Society in Switzerland.

Actions:

• Following finalization of the byelaws, Dietger Niederweiser will proceed with the necessary steps to establish WBMT as a Swiss Society.

5. Bylaws: discussion and finalization

Led by: Dietger Niederwieser and Mary Horowitz

- The pre-final draft of the bylaws circulated in advance of the meeting was reviewed section by section
- There was discussion of membership of the WBMT, appointment of representatives to the Board and Executive Committee and the respective functions of each. Agreed revisions were incorporated into the final draft bylaws included as appendix 2 to these minutes
- There was discussion about election of members to the positions on the Executive Committee. As this cannot be organized until participating organizations confirm their membership and appointed 2 representatives to the Board, and the Board can meet, it was agreed to the appointment of interim representatives on the Executive Committee and to have elections at the WBMT meeting organized as part of the NMDP meeting in Minneapolis in November 2009. The interim members are the representatives of the four founding organizations, EBMT, WMDA, CIBMTR and APBMT.
- It was agreed that the logos of each voting member organization will be included on the WBMT website and in the WBMT letterhead. Individual names will not be included in the letterhead.

Actions:

- Final draft of bylaws to be circulated to participants and organizations invited to become members of the WBMT for final comment
- Organizations which qualify for membership of the WBMT are asked to send official notification of their intention to become a member and to supply their logo for inclusion on the WBMT website and in the letterhead
- Named representatives of each member organization are to be provided by each member organization in due course

6. Next business meeting: Nagoya, Japan, 24 April 2009

Yoshihisa Kodera highlighted the agenda for the next WBMT meeting to be held in Nagoya, Japan on 24 April 2009. This will be an opportunity for representatives of the founding members of WBMT to meet with core members of APBMT countries (Thailand, Korea, China, Hong Kong, Singapore, Malaysia, Thailand, India, Vietnam and Iran). A copy of the agenda is attached as an appendix to these minutes.

An open invitation was extended to participants at the meeting and Dr Kodera advised that anyone interested in attending the meeting should email him directly.

7. Other business

- Update on developments in India

- John Goldman advised that he is planning to publish an editorial on WBMT in BMT journal. He also commented on a meeting held in India in August 2008 to discuss the formation of an Indian Society for Blood and Marrow Transplantation and to carry forward plans for one or more volunteer donor registries for India
- Mammen Chandy from Vellore, India, gave a short report on transplantation in India

- Relationship with WHO

Dietger Niederwieser showed a letter received from Luc Noel setting out the basis for being recognized as an NGO and ideas for a plan for collaborative action.

Actions:

- A conference call is to be organized with Luc Noel to take forward the application for NGO status, to agree collaborative plans and to discuss the organization of a meeting in Vietnam in 2010
- Find a date to organize the WBMT meeting in Minneapolis in November 2009

With no other business the meeting was adjourned at 19:00 PM.



Minutes of the 6th Meeting

Worldwide Network for Blood and Marrow Transplantation

Castle Plaza Hotel Nagoya, Japan

24 April 2009 10:00-17:00 PM

PARTICIPANTS: See appendix 1.

1. Opening remarks:

Dr. Kodera made a speech at the opening of the 6th WBMT meeting, welcoming all participants from WBMT, APBMT and other attendees, and explaining the purpose of this meeting: one of the most important aims of this meeting is to introduce WBMT and APBMT core members to each other and to serve as an opportunity to share up-to-date information.

2. Self-introduction of the participants, including the floor All attendees introduced themselves.

3. Report from Asia Pacific Blood and Marrow Transplantation Group (APBMT)

Dr. Kodera presented the history of APBMT, and the results of the activity survey performed in 2008. The first APBMT annual meeting was held in 1990 in Beijing. The total number of transplants registered to APBMT in 2006 was 6,418. He introduced the activity of WBMT so far, including the meeting history, and stressed the importance of establishing global transplant center numbers (GTCN) by WBMT. There was a question regarding the GTCN. It was confirmed that the GTCN was the universal center indentification number, not patients or products. WBMT would move on to establishing universal patient numbers in the future. It was reported that establishing center numbers is not simple as some centers report differently to different organizations. For example, the pediatric team and adult team of one institution report as two teams to one organization, and report as one team to another organization. It was confirmed by the members of APBMT that they use a 6 digit number for center identification in the APBMT registry

4. Report from WBMT

the activity of the Alliance for Harmonization of Cellular Therapy Accreditation (AHCTA) and stressed the importance of presenting groups using a single platform. The role of WBMT in collaboration with the World Health Organization (WHO) was presented as follows.

- ✓ WBMT will identify the practice of HSC Tx in constrained resource environment as a theme
 for research and guidance. A meeting in Vietnam on HSCTx practices in resource--poor
 environment will be organized with WHO in 2010.
- ✓ WBMT will collaborate with WHO to develop a guidance document for health authorities on why and how to establish and manage a register of HSC donors.
- ✓ WBMT will participate in the Third Global Consultation on Regulatory Requirements for Human Cells and Tissues for Transplantation to be held Q12010 in Geneva.
- ✓ WBMT will be contributed to the WHO's stem cell nomenclature project.
- ✓ WBMT will contribute to WHO's review of ethical issues in donation and transplantation, including commercial transplantation and questions raised by autologous cord blood banks.
- ✓ WBMT will encourage notification of adverse events and reactions by professionals through
 publication and communications
- ✓ WBMT will provide expert advice on Vigilance and Surveillance of adverse events and reactions at a global level.
- ✓ WBMT will provide support to WHO for the preparation of a web page on the WHO transplantation site that will explain the importance of HSCTx for patients of all ages, the value of registers of HSC volunteer donors and the necessary international circulation of HSC. It will contain a link to the WBMT site.

Accomplishments from the first two years were summarized as gaining an overview of transplant activity worldwide from the global activity survey conducted by Dr. Gratwohl.

5. Report from Center for International Blood and Marrow Transplant Research

Dr. Horowitz presented the activity of CIBMTR. Participating centers are distributed in five continents, and more than 16,000 cases were registered in 2008. The structure of the C.W. Bill Young Cell Transplantation Program was presented. In this program, it is mandatory to report all allogeneic transplants, including related transplants in the United States, to CIBMTR. Transplant Essential Data (TED) were reassessed regarding this change in collaboration with EBMT and APBMT, and the revised TED / MED-A was announced in 2007. A new electronic registration program called Forms Net 2 was introduced in Dec. 2007. In this program, the registrating centers will be able to retrieve their registered dataset by the end of 2009. CIBMTR is also preparing to release AGNIS, A Growable Network Information System, which is a universal translation system, in collaboration with the National Institute of Health (NIH) Bioinformatics. Dr. Horowitz also introduced the clinical trial activity conducted by the Blood and Marrow Transplant Clinical Trial Network (BMT-CTN). Over 2500 patients were enrolled in 18 trials by this year. Dr. Horowitz made the point that the WBMT will be a good basis for conducting large clinical trials which will answer very important clinical questions. She also emphasized that the CIBMTR is willing to share the tools that they have developed for data collection with those who need them.

Question: "Will there be individual forms for WBMT?"

Answer: "No. It was confirmed that WBMT is a society of societies. If there is a non-reporting center, WBMT will ask the center to report to their society. The correlation with WHO was also clarified. WHO will use the data to determine where to support."

6. Report from National Marrow Donor Program (NMDP)

Dr. Confer showed the history of the NMDP and CIBMTR, and the role of NMDP in the C.W. Bill Young Cell Transplantation Program. Dr. Confer clarified that NMDP participates in WBMT through World Marrow Donor Association (WMDA) and CIBMTR. He introduced NMDP's new public brand, "Be The Match".

There was a discussion regarding the relationship between each country's national donor program and the WBMT. It was clarified that each country's national donor program, for example, the Japan Marrow Donor Program (JMDP) will participate in WBMT through WMDA as a voting society. Any member from each country's national donor program is welcome to attend the WBMT meeting.

7. Report from the European Group for Blood and Marrow Transplantation (EBMT)

Dr. Gratwohl introduced the more than 30-year history and structure of EBMT. He also presented the methods and results of EBMT Activity surveys. Trends in the number of transplants, table of indications, activities by countries, and comparison with the economic status were shown. An activity survey for cellular therapies was initiated in 2008 by EBMT. Dr. Gratwohl showed the preliminary results of the Global HSCT Activity survey 2006. HSCT activities were shown by continental regions, and by country. He further addressed donor issues, including donor safety, which should be discussed within the worldwide network, WBMT. Dr. Gratwohl identified the strengths and weaknesses of WBMT, and encouraged the attendees regarding the need for early action with care and focus.

8. Report from the World Marrow Donor Association (WMDA)

Dr. Oudshoorn presented the history and activity of WMDA. WMDA was officially established in Leiden, The Netherlands as an Association in 1994. WMDA has following Board Committees and Working Groups, and the activities of each committee and group were introduced in detail. WMDA Board Committees

- ✓ Regulatory Committee
- ✓ Accreditation Steering Committee

Accreditation Committee

- ✓ Programme Committee for the next IDRC
- ✓ Education Committee
- ✓ Nominating Committee
- ✓ Board Budget Committee Fundraising Committee

WMDA Working Groups

- ✓ Clinical
- ✓ Cord Blood
- ✓ Donor Registries
- ✓ Ethics
- ✓ Information Technology
- ✓ Quality Assurance

During the discussion, it was clarified that private cord blood banks were not allowed to join WMDA.

9. Report from East Mediterranean Blood and Marrow Transplant Registry (EMBMT)

Dr. Aljurf presented the activity of EMBMT through their website (http://embmt.org/index.shtml). EMBMT was established in 2008 as a cooperative platform from institutions in the WHO-designated Eastern Mediterranean area. Its bylaws were established in November, 2008 at the Dubai business meeting. Its organization structure, membership, and meeting schedules are available on the website. Twelve working committees were also developed. EMBMT was established, and its first activity report was published recently (Bone Marrow Transplant. 2009;43:1).

10. Report from other participants from APBMT: See appendix 2.

1. China

Dr. Tong explained the history and the general HSCT condition in China. She also indicated the encouraging results of Haplo-BMT and syngeneic BMT in China. They are trying to establish a national registration system which covers 106 BMT units in mainland China but this will be difficult because it is such a big country.

2. Hong Kong

Dr. Lie presented a brief summary of the HSCT in Hong Kong from the start. Hong Kong has such a narrow and rugged landscape that it's difficult to establish new institutions, but it would be an advantage for sharing information and the outcome of HSCT, taking advantage of its small community

3. Singapore

Dr. Koh presented BMT trends and status in Singapore. Although Singapore is also a small community, they are making efforts to establish HSCT in Singapore with the help of

supporting infrastructures such as AABB, ASHI, JCI, CIBMTR and EBMT.

4. India

Dr. Saikia made a presentation about the current status of HSCT in India. Initial progress was slow; however, they have made sufficient progress in recent years and have been organizing the national registry and data collection. India has not submitted data to the APBMT Activity Survey up to now but they have decided to take part as well as in WBMT.

5. Korea

Dr. Lee made a speech about the current status of the activity and registry of HSCT in Korea. The Korean Society of Blood and Marrow Transplantation (KSBMT) collected data from April 2005 through the committee of the Korean BMT Registry (KBMTR) using the KOSTIA (Korean Stem Cell Transplant Internet Access) system, and they revised the registration form to improve the data submission rate in April 2008.

6. Pakistan

Dr. Shamsi reported the activity and issues of Hematological Stem Cell Transplantation (HSCT) in Pakistan. There are 3 active centers in Pakistan and they have no national registry. The attendees encouraged him to make an effort to establish a national registry in Pakistan.

7. Thailand

Dr. Issaragrisil explained the history and general HSCT condition in Thailand. Thailand set up a national stem cell registry and cord blood bank in February 2009. It is expected to submit the data to the APBMT and WBMT, and is also expected to export stem cell sources to other countries.

8. Taiwan

Dr. Chen presented the current status of research information services and future plans of the BMT registry in Taiwan. As Taiwan has a relatively long history in HSCT, the basic system has already been established. Dr. Chen introduced their challenges to improve and develop the Taiwan BMT Registry (TBMTR) to promote research activity and collaboration between transplant centers within the country.

9. Vietnam

Dr. Bihn made a presentation about the current status of BMT in Vietnam. Their experience of HSCT is very limited and they have many difficulties in growth (e.g., finance, medical insurance, infrastructure and manpower). WBMT and APBMT as well as WHO recognized the need to help with their activities.

10. Japan

Dr. Atsuta reported the activity of HSCT in Japan with some outcome data. She also introduced the current status of the Japan outcome registry with an electric registration system using TRUMP, and its effort to increase the capture rate. Dr. Atsuta also gave a brief introduction to the current status of the APBMT Registry. The APBMT Registry has published two annual reports with the results of activity surveys (Annual Report 2007 and 2008). Report sheets for the patient outcome registry have been prepared.

At this congress, all participants from APBMT agreed to become members of WBMT in the same way as CIBMTR and EBMT. The WBMT bylaws were accepted by the APBMT participants. Furthermore, it became clear that each Asian country has specific problems related to HSCT, and all attendees recognized the need to unify cooperation from this session.

11. Discussion and confirmation of WBMT Bylaws, Organization and other topic

1. WBMT Meetings

The appropriate number and location of WBMT meetings were discussed. It was felt by the participants that there should be at least two meetings, with the possibility for more if the circumstances and opportunity called for it. The point was made that the WBMT should try to accommodate specific requests from individual countries to hold meetings in conjunction with members of WBMT.

2. Relationship with the World Health Organization

The relationship with the WHO was discussed extensively. Dr. Luc Noel, Coordinator, Clinical Procedures, Department of Essential Health Technologies, Health Technology and Pharmaceuticals, WHO, has requested that the WBMT represent the hematopoietic stem cell transplantation (HCT) community in a number of joint initiatives. The group agreed to work collaboratively with WHO in the following areas:

- ✓ Identify issues to be addressed in the practice of HCT in constrained resource environments. As part of this initiative, there is a plan to organize a meeting in Vietnam with WHO in 2010.
- ✓ Development of a guidance document for health authorities on why and how to establish and manage a register of hematopoietic stem cell (HSC) donors
- ✓ Participate in the Third Global Consultation on Regulatory Requirements for Human Cells and Tissues for Transplantation to be held Q12010 in Geneva
- ✓ Provide representatives to the WHO's stem cell nomenclature project.
- ✓ Contribute to WHO's review of ethical issues in donation and transplantation, including commercial transplantation and questions raised by autologous cord blood banking.
- ✓ Develop ways to encourage notification of adverse events and reactions by professionals through publication and communications
- ✓ Provide expert advice on vigilance and surveillance of adverse events and reactions at global level.
- ✓ Help WHO develop a web page on the WHO transplantation site that will explain the importance of HCT for patients of all ages, the value of registers of HSC volunteer donors and the necessary international exchange of HSC.

The plan for a meeting in Vietnam was discussed in detail. Professor TranVan Binh, APBMT's representative from Vietnam, expressed his opinion that such a meeting would be beneficial to the Vietnamese HCT effort and his willingness to help organize such a meeting. The goals of the meeting were discussed, with the point made that conveying the importance of HCT to government and the public were as important as the scientific content. It was suggested that there be a discussion of key persons to involve in the process in a telephone conference with Dr. Noel. Dr. Niederwieser will organize a teleconference in the near future. Dr. Niederwieser pointed out that the occasion of this meeting might serve as an impetus for establishing a national outcomes registry. Prof. Kodera and his team at the APBMT Data Center would support this activity.

3. Bylaws

Draft bylaws, incorporating changes discussed at the previous WBMT in Gothenburg, were presented and discussed. The draft had been circulated and several individuals and organizations had provided comments which were also discussed.

- ✓ The recommendation of ISCT to add text to indicate WBMT participation and advisement in government regulatory affairs regarding cellular therapy was discussed but it was felt that this was already addressed by the inclusion of "advocacy" in the mission.
- ✓ The recommendation to address membership fees was referred to the house rules document.
- ✓ There was a lengthy discussion regarding the procedure for applying for membership. There was a recommendation to require individuals seeking non-voting membership to have support of at least two members to be considered. It was eventually decided not to adopt this recommendation since it was contrary to the desire for inclusivity and because some felt that it was unnecessary since all memberships must be approved by the Board.
- ✓ The comments of changing the word under 6.2b "The President shouldpreside at all meetings, shall serve as chair of the Executive Committee and be an ex officio, non voting member (instead of society) of all committees" has been accepted.
- ✓ It was clarified that any member of a WBMT member society can attend the meetings of the WBMT.

With the above described corrections, the representatives of the founding societies (APBMT, EBMT, CIBMTR; WMDA, and EMBMT) present in Nagoya voted unanimously to accept the bylaws.

4. Membership Applications

Several societies have expressed a desire to join the WBMT. These are listed below with the decision of the Board.

International Society for Cellular Therapy (ISCT)

Approved
AABB

Approved
European Federation for Immunogenetics (EFI)

Approved
Eurocord

Netcord

European School of Haematology (ESH)

Australia Pacific BMT Research Registry (APBMTRR)

Approved

Approved

Each society will be asked to provide a logo for the WBMT Website and letterhead and to designate two individuals to represent the society (one voting individual and one alternate).

Several other societies have informally expressed interest but have not yet submitted letters requesting membership. These include the American Society for Blood and Marrow Transplantation (ASBMT), the Foundation for Accreditation of Cellular Therapy (FACT), Joint Accreditation Committee-ISCT & EBMT (JACIE), the American Society for Histocompatibility and Immunogenetics (ASHI), and the American Society of Hematology (ASH). The importance of the activities of the Alliance for Harmonization of Cellular Therapy Accreditation (AHCTA) in harmonizing international accreditation standards was mentioned in detail; it was felt that ideally AHCTA would become one of the standing committees of WBMT.

Criteria for being a member of WBMT need yet to be established.

The meeting was closed at 17.05 with a following festivity to celebrate approval of the bylaws.

Appendix 1 Attendance List, 6th WBMT Meeting in Nagoya, Japan

Name	Member Society	Country
Niederwieser, Dietger	EBMT	Germany
Horowits, Mary	CIBMTR	USA
Gratwohl, Alois	EBMT	Switzerland
Oudshoorn, Machteld	WMDA	The Netherlands
Confer, Dennis	NMDP	USA
Aljurf, Muhamand	Eastern Mediterranean Registry	Saudi Arabia
Kodera, Yoshihisa	APBMT	Nagoya/JAPAN
Loper, Kathy	AABB	USA
Suzuki, Ritsuro	APBMT	Nagoya/Japna
Atsuta, Yoshiko	APBMT	Nagoya/Japna
Iida, Minako	APBMT	Nagoya/Japna
Chen, Po-Min	APBMT	Taiwan
Jong Wook, Lee	APBMT	Korea
Koh, Mickey	APBMT/ISCT	Singapore
Issaragrisil, Surapol	APBMT	Thailand
Binh, Tran Van	APBMT	Vietnam
Saikia, Tapan K	APBMT	India
Shamsi, Tahir	APBMT	Pakistan
Hwang, Tai Ju	APBMT	Korea
Lie, Albert	APBMT	Hong Kong
Wu, Tong	APBMT	China
Okamoto, Shinichiro	APBMT	Tokyo/Japan
Miyamura, Koichi	APBMT	Nagoya/Japan
Harada, Mine	APBMT	Fukuoka/Japan
Shinagawa, Katsuji	APBMT	Okayama/Japan
Fukuda, Takahiro	APBMT	Tokyo/Japan
Matsumoto, Kimikazu	APBMT	Nagoya/Japna
Inamoto, Yoshihiro	APBMT	Nagoya/Japna
Hyo, Rie	APBMT	Nagoya/Japna
Kato, Shunichi	APBMT	Tokyo/Japan
Tsuji, Kohichiro	APBMT	Tokyo/Japan
Morishima, Yasuo	APBMT	Nagoya/Japna
Murata, Makoto	ABBMT	Nagoya/Japna

Appendix 2 Current Situation of the APBMT countries

Country	Population(million)	Start of HSCT	BMTUnits	HSCT Registry	HSCTBank
China	1345	1964	106	No Central HSCT Registry	UCB (Umbilical Cord Blood) Bank/ CMDP (Chinese Marrow Donor Program)
Hong Kong	7	1990	4	No Central HSCT Registry	CMDP
Singapore	4	1985	5	Under Development	BMDP of Singapore/2 Private and 2 Public CB BANK
India	1200	1983	30	Under Development	No Donor Bank
Korea	45	1983	38	KBMTR (Korean Blood and Marrow Transplantation Registry)	CHSCB (Catholic Hematopoietic Stem Cell
Pakistan	180	1995	3	No Central HSCT Registry	No Donor Bank
Thailand	60	1986	6	Thai National Stem Cell Registry	Thai Cord Blood Bank
Taiwan	23	1983	17	TBMTR (Taiwan Blood and Marrow Transplantation Registry)	Tzu Chi Marrow Donor Registry and Cord Blood Bank
Vietnum	88	1993	5	No Central HSCT Registry	No Donor Bank
Japan	127	1974	253 (Registered in 2008)	JSHCT (Japan Society for Hematopoietic Cell Transplantation)	JMDP (Japan Marrow Donor Program) ,JCBBN (Japan Cord Blood Bank Network)

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