

# APBMT Annual Report Fiscal 2019

## [ For the General Public ]

Asia-Pacific Blood and Marrow Transplantation Group  
SECRETARIAT OFFICE / DATA CENTER OF APBMT





**Asia-Pacific Blood and Marrow  
Transplantation Group  
(APBMT)**

**Annual Report  
Fiscal 2019**

**Secretariat Office / Data Center of APBMT**

**E-mail: [office@apbmt.org](mailto:office@apbmt.org)  
Website: <https://www.apbmt.org>**

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# Introduction

## General Overview from September to December 2019

All 22 of APBMT's participating countries/regions are listed here. (As of December 2019)

Australia  
Bangladesh  
Cambodia  
China  
Hong Kong  
India  
Indonesia  
Iran  
Japan  
Korea  
Malaysia  
Mongolia  
Myanmar  
Nepal  
New Zealand  
Pakistan  
Philippines  
Singapore  
Sri Lanka  
Taiwan  
Thailand  
Vietnam

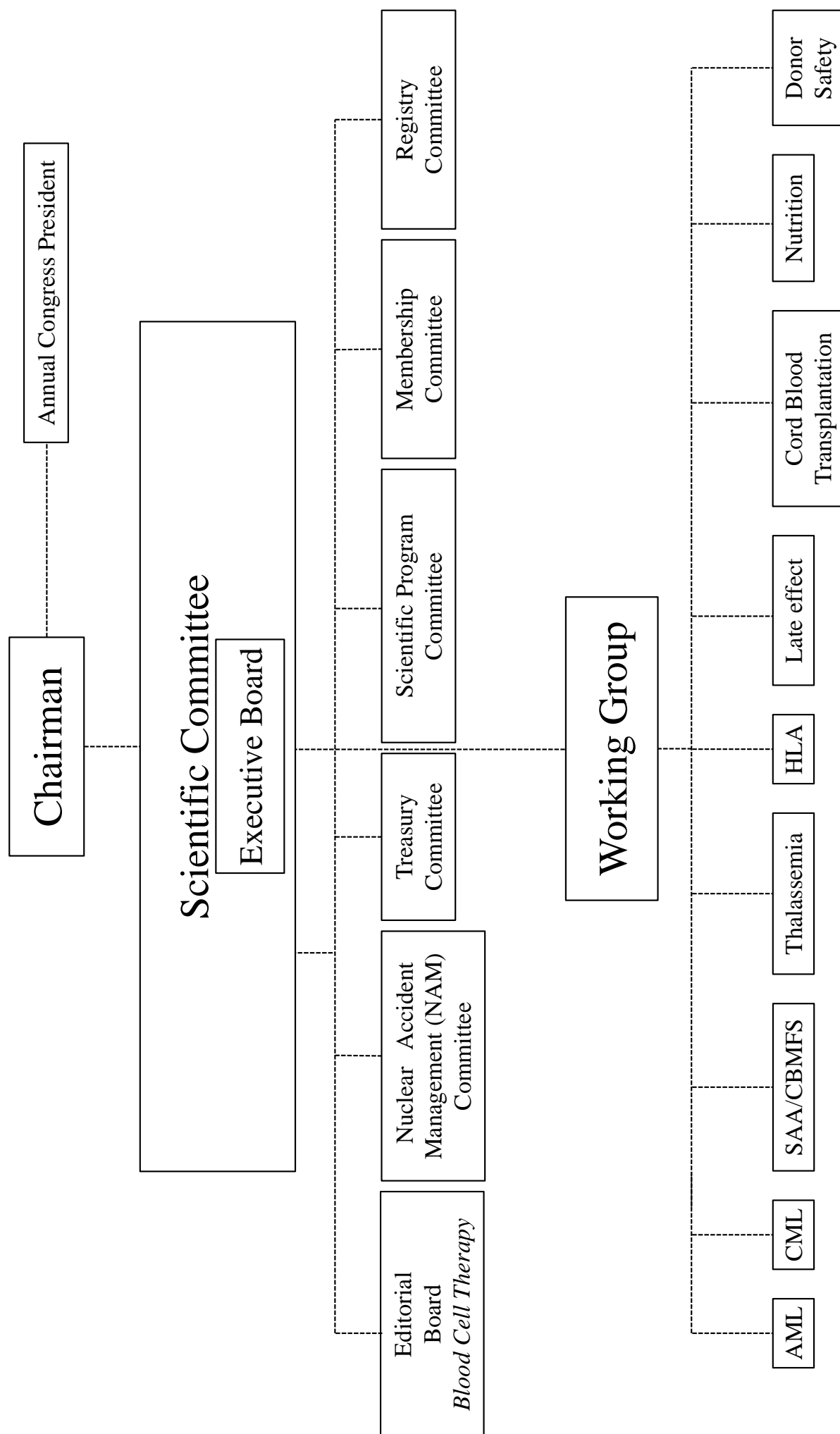


This Annual Report is the 12<sup>th</sup> edition. There are a couple of changes in this Annual Report.

1) The style of the Annual Report has changed from paper book to PDF on the website. Since 2007, APBMT Secretariat has published it in book form every year, however, to convey information more rapidly and precisely, we decided to change the system of editing. 2) From fiscal 2020, APBMT changed the definition of the fiscal year, which used to start in September and end in following August, to instead January and end in December. As a result, fiscal 2019 covered the 4 months from September to December of 2019. 3) APBMT revised the Bylaws at the business meeting in the 24<sup>th</sup> Annual Congress. The revised Bylaws are provided in this report (member only).

This booklet also includes results of the 14<sup>th</sup> Activity Survey (transplantations performed in 2018).

# Organizational Tree of APBMT



# Principal Member List (Dec.2019)

## *Executive Board members*

Shinichiro Okamoto (Chairman, Japan)	Alok Srivastava (Vice-chair, India)	David D Ma (Australia/New Zealand)
He Huang (China)	Amir Ali Hamidieh (Iran)	Jong Wook Lee (Korea)
William YK Hwang (Singapore)		

## *Scientific Committee Members ( \*Executive Board members )*

Yoshiki Akatsuka (Japan)	Otgonbat Altangerel (Mongolia)	Shashikant Apte (India)
Khishigjargal Batsukh (Mongolia)	Carmella Bingcang (Philippines)	Pheng Bora (Cambodia)
Udomsak Bunworasate (Thailand)	Po-Min Chen (Taiwan)	Tzeon-Jye Chiou (Taiwan)
Lallindra Gooneratne (Sri Lanka)	Aye Aye Gyi (Myanmar)	Amir Ali Hamidieh (Iran) *
Suradej Hongeng (Thailand)	He Huang (China) *	Xiao-Jun Huang (China)
Tai-ju Hwang (Korea)	William YK Hwang (Singapore) *	Hyoung Jin Kang (Korea)
Mohiuddin Khan (Bangladesh)	Navin Khattri (India)	Bor-Sheng Ko (Taiwan)
Mickey Koh (Singapore)	Hoon Kook (Korea)	Jong Wook Lee (Korea) *
Albert Lie (Hong Kong)	Kai-Hsin Lin (Taiwan)	Kai-yan Liu (China)
David D Ma (Australia/New Zealand) *	Koichi Miyamura (Japan)	Shinichiro Okamoto (Japan) *
Jian Ouyang (China)	Chi Dung Phu (Vietnam)	Philip Rowlings (Australia/New Zealand)
Damai Santosa (Indonesia)	Tahir Sultan Shamsi (Pakistan)	Alok Srivastava (India) *
Jih-Luh Tang (Taiwan)	Shuichi Taniguchi (Japan)	Takanori Teshima (Japan)
Artit Ungkanont (Thailand)	Auro Viswabandya (India)	Jianmin Wang (China)
Jong-Ho Won (Korea)	Tong Wu (China)	Ming Yao (Taiwan)
Mei Zhang (China)		

## *Honorary Members*

Kerry Atkinson (Australia)	John Carter (New Zealand)	Dennis Confer (NMDP)
John Goldman (EBMT)	Alois Gratwohl (EBMT)	Geoffrey Hill (Australia)
Mary Horowitz (CIBMTR)	Dietger Niederwieser (EBMT)	

## *Emeritus Members*

Suresh H Advani (India)	Shigetaka Asano (Japan)	Lu Xian Cao (China)
Ardeshir Ghavamzadeh (Iran)	Surapol Issaragrisil (Thailand)	Saengsuree Jootar (Thailand)
Chun Choo Kim (Korea)	Dong Jip Kim (Korea)	Yoshihisa Kodera (Japan)
Dao-Pei Lu (China)	Tohru Masaoka (Japan)	Tan Binh Nguyen (Vietnam)
Tapan K Saikia (India)	Pattic Tan (Singapore)	

## Annual Congresses of APBMT

### Previous Congresses

No	Year	City	Presidents
1 <sup>st</sup>	1990	Beijing	Lu Xian Cao
2 <sup>nd</sup>	1991	Nagoya	Tohru Masaoka
3 <sup>rd</sup>	1992	Osaka	Tohru Masaoka
4 <sup>th</sup>	1994	Fukuoka	Tohru Masaoka
5 <sup>th</sup>	1996	Seoul	Dong Jip Kim
6 <sup>th</sup>	1998	Taipei	Yao-Chang Chen
7 <sup>th</sup>	2000	Bangkok	Surapol Issaragrisil
8 <sup>th</sup>	2002	Mumbai	Suresh Advani
9 <sup>th</sup>	2004	Tehran	Ardeshir Ghavamzadeh
10 <sup>th</sup>	2005	Hangzhou	Dao-Pei Lu
11 <sup>th</sup>	2006	Nagoya	Yoshihisa Kodera
12 <sup>th</sup>	2007	Beijing	Dao-Pei Lu
13 <sup>th</sup>	2008	Taipei	Po-Min Chen
14 <sup>th</sup>	2009	Seoul	Chun-Choo Kim
15 <sup>th</sup>	2010	Phuket	Saengsuree Jootar
16 <sup>th</sup>	2011	Sydney	David Ma / Philip Rowlings
17 <sup>th</sup>	2012	Hyderabad	Tapan K Saikia / Alok Srivastava
18 <sup>th</sup>	2013	Ho Chi Minh City	Tan Binh Nguyen
19 <sup>th</sup>	2014	Hangzhou	He Huang / Xiaojun Huang
20 <sup>th</sup>	2015	Okinawa	Shinichiro Okamoto
21 <sup>st</sup>	2016	Singapore	William YK Hwang / Chng Wee Joo / Aloysius Ho
22 <sup>nd</sup>	2017	Tehran	Ardeshir Ghavamzadeh
23 <sup>rd</sup>	2018	Taipei	Ming Yao / Jih-Luh Tang
24 <sup>th</sup>	2019	Busan	Jong Wook Lee / Jong-Ho Won



## **Future Congresses**

- The 25<sup>th</sup> APBMT Annual Congress 2020 - virtual  
October 9 - 11, 2020  
Organized by APBMT in collaboration with ISBMT (Indian Society for Blood and Marrow Transplantation)
- The 26<sup>th</sup> Annual Congress  
4<sup>th</sup> Week of October 2021, Chang Mai, Thailand  
Congress President: Artit Ungkanont  
Scientific Chair: Suradej Hongeng  
Scientific co-Chair: Udmsak Bunworasate

## The Number of Attendees for Each Annual Congress from 2008 to 2019

2008(TAIWAN)		2009(KOREA)		2010(THAILAND)		2011(AUSTRALIA/N EW ZEALAND) ※		2012(INDIA)		2013(VIETNAM)	
Taiwan	349	Korea	292	Thailand	280	Australia	637	India	118	Vietnam	375
Korea	46	China	65	China	100	China	178	China	66	China	82
Japan	24	Taiwan	34	Taiwan	63	New Zealand	84	Japan	19	Korea	41
Malaysia	6	Japan	33	Korea	52	Korea	57	Korea	15	Japan	32
Thailand	5	Thailand	19	Japan	25	Japan	38	Vietnam	12	Taiwan	17
Australia	5	Australia	7	Singapore	19	Taiwan	16	Australia	11	Thailand	13
Pakistan	3	Viet Nam	5	Malaysia	17	Malaysia	14	Germany	8	Hong Kong	7
Hong Kong	3	USA	4	Hong Kong	13	Singapore	14	Taiwan	7	Belgium	6
Singapore	3	Germany	3	Vietnam	13	Thailand	12	Iran	6	Singapore	6
USA	2	Singapore	2	Australia	9	Vietnam	10	USA	6	France	5
Saudi Arabia	2	France	1	Iran	8	Philippines	9	Singapore	4	India	5
Philippines	2	Hong Kong	1	Italy	6	India	6	Philippines	3	Australia	4
India	1	Indonesia	1	Germany	4	Hong Kong	5	Bangladesh	2	Iran	4
Vietnam	1	Iran	1	Indonesia	4	Myanmar	4	Belgium	2	United States	4
Romania	1	Malaysia	1	USA	4	Switzerland	4	France	2	Germany	3
France	1	Philippines	1	India	3	Bangladesh	3	Hong Kong	2	Mongolia	3
Total	454	Switzerland	1	Pakistan	3	Pakistan	3	Mongolia	2	Spain	3
	%	UK	1	France	2	Fiji	2	Canada	1	Malaysia	2
Domestic	77	Total	472	Myanmar	2	Samoa	2	Italy	1	Philippines	2
Foreign	23		%	Canada	1	UAE	2	Myanmar	1	Indonesia	1
		Domestic	62	Hungary	1	Brunei	1	Nepal	1	Ireland	1
		Foreign	38	Israel	1	Cook Islands	1	Sweden	1	Myanmar	1
				Philippines	1	Indonesia	1	UK	1	Netherlands	1
				Sweden	1	Iran	1	Missing	3	Sweden	1
				Turkey	1	Israel	1	Total	294	UK	1
				Total	633	Kiribati	1		%	Total	736
					%	Micronesia	1	Domestic	40		%
				Domestic	44	Papua New Guinea	1	Foreign	60	Domestic	61
				Foreign	56	Slovak Republic	1			Foreign	40
						Slovakia	1				
						Solomon Islands	1				
						Sri Lanka	1				
						Turkey	1				
						Tuvalu	1				
						Vanuatu	1				
						Total	1115				
							%				
						Domestic	65				
						Foreign	35				

※APBMT 2011 with HAA-ISHAPD 2011 and ISCTA

※※APBMT 2019 with ICBMT 2019

2014(CHINA)		2015(JAPAN)		2016(SINGAPORE)		2017(IRAN)		2018(TAIWAN)		2019(KOREA) ※※	
China	646	Japan	159	Singapore	234	Iran	565	Taiwan	330	Korea	762
Japan	31	China	186	China	116	China	32	China	90	China	125
Taiwan	24	Taiwan	51	Japan	62	USA	4	Japan	66	Japan	47
Korea	16	Korea	41	Korea	44	Germany	4	Korea	33	Taiwan	46
United States	11	Singapore	23	Taiwan	28	Japan	3	Singapore	32	India	37
India	9	Hong Kong	17	India	25	Thailand	3	Vietnam	29	Indonesia	22
Singapore	9	Vietnam	16	USA	22	Qatar	3	Thailand	21	Singapore	22
Australia	7	India	11	Thailand	21	France	2	Hong Kong	18	Malaysia	17
Mongolia	7	Thailand	11	Hong Kong	19	Italy	2	USA	15	USA	17
UK	5	Indonesia	9	Malaysia	19	Belgium	1	Philippines	13	Vietnam	16
Hong Kong	4	USA	7	Bangladesh	15	India	1	India	11	Germany	11
Philippines	4	Malaysia	6	Vietnam	15	Turkey	1	Malaysia	8	Hong Kong	10
Vietnam	4	Australia	5	Australia	13	UK	1	Indonesia	7	Thailand	9
France	3	Philippines	5	Iran	11	Malaysia	1	Australia	6	Iran	8
Iran	3	UK	4	Philippines	10	Sri Lanka	1	Bangladesh	6	Mongolia	8
Thailand	3	Germany	2	Germany	9	Switzerland	1	Sri Lanka	5	Pakistan	8
Germany	2	Iran	2	Sri Lanka	6	Total	625	UK	5	Philippines	7
Myanmar	2	Sri Lanka	2	UK	6		%	Germany	4	Australia	5
Pakistan	2	Bangladesh	1	France	4	Domestic	90	Canada	3	Egypt	3
Bangladesh	1	Cambodia	1	Mongolia	4	Foreign	10	Mongolia	3	France	3
Indonesia	1	Canada	1	Indonesia	3			Myanmar	3	Turkey	3
Lebanon	1	France	1	Ireland	3			Romania	2	UK	3
Malaysia	1	Italy	1	Italy	3			Cambodia	1	Switzerland	2
South Africa	1	Mongolia	1	Cambodia	2			France	1	Spain	2
Spain	1	Myanmar	1	Myanmar	2			Iran	1	Bangladesh	2
Sri Lanka	1	Pakistan	1	Qatar	2			Netherlands	1	Austria	1
Total	799	Switzerland	1	Belgium	1			North Korea	1	Brazil	1
	%	Missing	1	Canada	1			Spain	1	Cambodia	1
Domestic	81	Total	567	Nepal	1			Total	716	Canada	1
Foreign	19		%	New Zealand	1				%	Italy	1
		Domestic	28	Spain	1			Domestic	46	Myanmar	1
		Foreign	72	Switzerland	1			Foreign	54	Nepal	1
				Total	704					Netherlands	1
					%					Poland	1
				Domestic	33					Sri Lanka	1
				Foreign	67					Uzbekistan	1
										Total	1206
										%	
										Domestic	63
										Foreign	37

# **Registry Committee**

## **About Registry Committee**

APBMT has long collected HSCT activity and outcome data through APBMT Data Center. To promote and accelerate the data collection, APBMT decided to establish the Registry Committee in October 2014 and it officially started operations in October 2015. APBMT Data Center was integrated into the committee. Since the committee has launched the work, four important official documents have been finalized.

- Protocol
- Letter of Commitment
- Informed Consent for Patients
- Detailed Rules for Data Usage and Authorship

Based on these documents, committee members work hard:

- To perform APBMT Activity Survey and Outcome Registry annually
- To support data collection in participating countries/regions
- To manage and analyze the collected data
- To optimize the data usage
- To support clinical researches using collected data

The Registry Committee members are basically nominated among the APBMT members in each country/region and have a monthly web conference.

## Registry Committee Member List

	Name	Country/Region
Chairperson	Yoshiko Atsuta	Japan
Deputy Chairpersons	Anthony Dodds	Australia/New Zealand
	Aloysius Ho	Singapore
Members	Mafruha Akter	Bangladesh
	Pheng Bora	Cambodia
	Xiao Jun Huang	China
	Liu Kaiyan	China
	Joycelyn Sim	Hong Kong
	Alok Srivastava	India
	Kavitha M.L	India
	Damai Santosa	Indonesia
	Amir Hamidieh	Iran
	Shinichiro Okamoto	Japan
	Yachiyo Kuwatsuka	Japan
	Joon Ho Moon	Korea
	Kim Wah Ho	Malaysia
	Batsukh Khishigjargal	Mongolia
	Aye Aye Gyi	Myanmar
	Tasneem Farzana	Pakistan
	Marjorie Rose Bravo	Philippines
	Prasad Abeysinghe	Sri Lanka
	Devinda Jayathilake	Sri Lanka
	Bor-Sheng Ko	Taiwan
	Hui-Fen Chiang	Taiwan
	Po-Nan Wang	Taiwan
	Ming Yao	Taiwan
	Artit Ungkanont	Thailand
	Huynh Van Man	Vietnam
Data Center	Minako Iida	Japan
	Yukari Nakao	Japan
	Hiroe Namizaki	Japan

## Introduction of Activity Survey

The APBMT Activity Survey has been performed annually from 2007 (HSCT data from 2005). This survey is a collection of the number of transplantations sorted by the donor sources and diseases in each country/region.

The following figure shows how the data is collected.

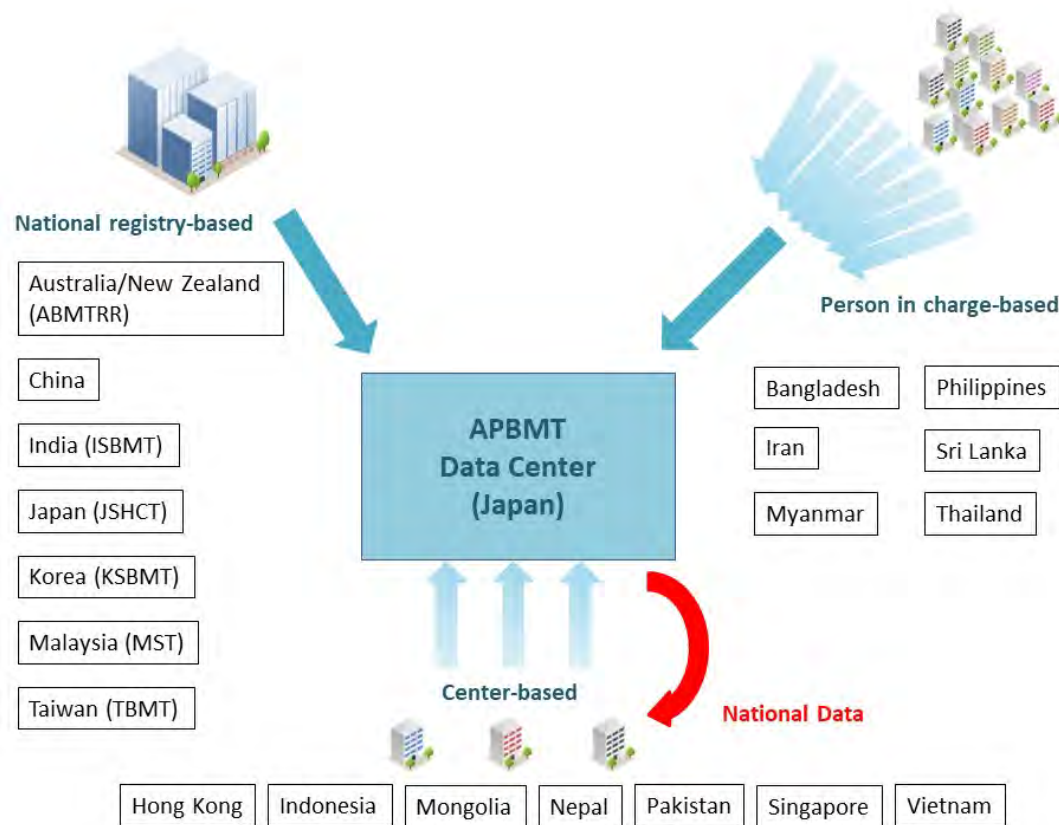


Figure: Data collection

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

As shown in the Figure above, data from China, India, Japan, Korea, Malaysia, and Taiwan was submitted through their respective national registry. The Australasian Bone Marrow Transplant Recipient Registry (ABMTRR) submitted the national data for Australia and New Zealand. In Bangladesh, Iran, Myanmar, the Philippines, Sri Lanka, and Thailand data was collected by a designated contact person and submitted to Data Center. Data Center has direct contact with major transplantation centers and receives data from Hong Kong, Indonesia, Mongolia, Nepal, Pakistan, Singapore, and Vietnam. Data Center compiles all data collected in each of these 7 countries/regions, and compiled data is available for each country/region to use as national data.

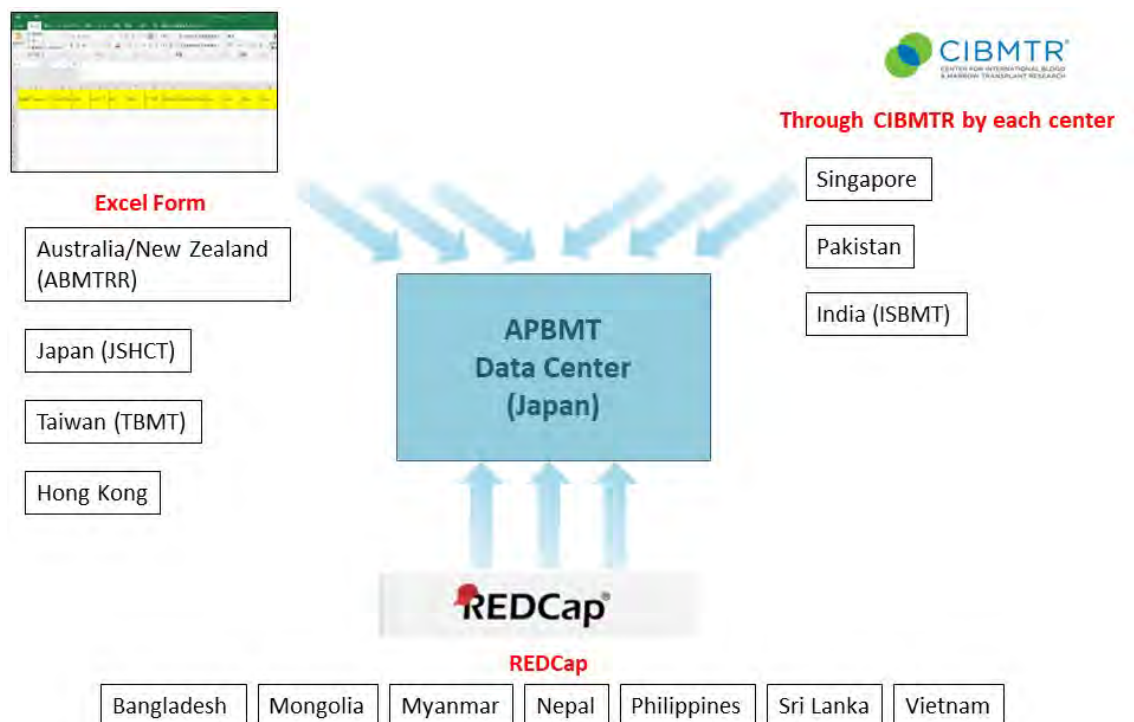
The aim of the 14<sup>th</sup> APBMT Activity Survey is to update **the HSCT activities in 2018** in this region. Data Center received data from 21 countries/regions by December 31, 2019.

## About Outcome Registry

APBMT Registry Committee and Data Center have been collecting the HSCT outcome data of each patient. The basic dataset structure is called the Least Minimum Dataset (LMD) and three methods are available for sending data to Data Center depending on the situation in each country/region.

1. The simplified Excel forms made by APBMT Data Center based on the EBMT MED-A or the CIBMTR TED
2. Receiving data from CIBMTR through data transfer agreements, which were established between APBMT and CIBMTR and between APBMT and some centers that submitted Outcome Data to CIBMTR
3. The electronic data capture (EDC) system using REDCap®

When the Registry/Society in participating countries/regions starts to submit HSCT outcome data to APBMT, a Non-Disclosure Agreement (NDA) is signed between APBMT and the Registry/Society when requested. In addition, APBMT Registry Committee stipulates detailed rules for data usage so that the submitted data will not be disclosed without the consent of the Committee.



\*The following countries/regions are building up their systems for submitting outcome data: China, Indonesia, Iran, Korea, Malaysia, and Thailand



# **Executive Board**

## **Executive Board Activities**

For smooth management of the international society, Executive Board members have official web conferences every month as well as ad-hoc web conferences as needed. The main topics discussed in the Executive Board web conferences are:

- Working together with local organizing committees to prepare for each annual congress
  - Making up the scientific program
  - Nomination of speakers
- An office-centered organizational approach of hosting the annual congress
- Nominating the host country for the upcoming Annual Congress
- Amendment of the Bylaws and membership definition
- Rulemaking for each committee
- Sponsorship contract with the third parties/companies
- Education/training of physicians/nurses involved in HSCT and cell therapy
- Collaboration with ASTCT, EBMT, WBMT, and other related Societies in the HSCT field
  - Nomination of speakers for the Joint Sessions in each annual congress
  - Nomination of representatives to societies which requested
- Membership control
  - Review of membership application forms
  - Membership fees
  - Dual membership between ASTCT
- Solving the problems with advice to each committee (Registry Committee, Editorial Board of Blood Cell Therapy, Financial Committee)

## Executive Board Members



**Shinichiro Okamoto**  
Chairman  
Japan



**Alok Srivastava**  
Vice Chairman  
India



**Jong-Wook Lee**  
Korea



**David Ma**  
Australia



**Amir Hamidieh**  
Iran



**William Hwang**  
Singapore



**He Huang**  
China

# **Collaboration with Other International Registries**

**WBMT**

**ASTCT**

**EBMT**

## **WBMT (Worldwide Network for Blood & Marrow Transplantation)**

APBMT is one of the first founding societies of WBMT and has made great efforts to organize WBMT in collaboration with other member societies such as CIBMTR, EBMT, and WMDA since 2007. In 2011, WBMT had the first Workshop and Scientific Symposium in Hanoi for the development of HSCT in Asia-Pacific countries/regions. After this Workshop, extensive support to establish and operate HSCT was provided by leading countries to advancing countries/regions in this area. On September 19 to 21, 2018, WBMT held the 5<sup>th</sup> Workshop and Scientific Symposium in Beijing. One of the main topics of this Workshop was “International experience and data sharing to improve access and outcomes of transplantation,” and all attendees recognized the importance of creating the HSCT global outcome registration system.

Since 2014, Dr. Yoshihisa Kodera (Japan) and Dr. Jeff Szer (Australia) have served as WBMT president, and many members in APBMT have been playing important roles in the Standing Committees. In addition, APBMT Data Center has submitted Activity Survey data every year to contribute to the Global Survey.

## **ASTCT (American Society for Transplantation and Cellular Therapy)**

After exchanging memorandums of understanding for dual membership on August 23, 2018, APBMT and ASTCT implemented the dual membership, and APBMT members who applied for this membership could receive many benefits from ASTCT. APBMT and ASTCT will continue to proceed with the second and third collaboration projects.

## **EBMT (European Society for Blood and Marrow Transplantation)**

With the cooperation of EBMT, APBMT could set up an original booth at the annual meeting for the past few years. APBMT could exhibit the activities and contact with not only registered members but also non-members there. With regard to a project for the establishment of the APBMT Center Standards, we could get informative advice from JACIE members.

# History of International Scientific Symposia

## 2019

### **August, APBMT (Korea)**

*ASTCT/EBMT/WBMT/APBMT Joint Session:*

Co-Chairs: JW Lee, MD; S. Okamoto, MD

- GvHD Prophylaxis with Post Cy after Haplo-Identical, Matched Unrelated and HLA-Identical Sibling Transplantation (N. Kroger)
- Future Changes in Stem Cell Transplantation and Cellular Therapy: Safer, Less Toxic and Less Costly Approaches (D. Weisdorf)
- Novel Approaches for Treating and Preventing GvHD (JF DiPersio)
- Design the Future of Hematopoietic Cell Transplantation (HCT) in Asia-Pacific Countries/Regions (S. Okamoto)

## 2018

### **November, APBMT (Taiwan)**

*ASBMT / EBMT / WBMT / APBMT Joint Symposium: Past, Now, and Future of Hematopoietic Stem Cell Transplantation*

Co-Chairs: M. Yao, MD; S. Okamoto, MD

- Hematopoietic Stem Cell Transplantation: Where we have come from and where do we go? (J. Gajewski)
- Past, now and future of hematopoietic stem cell transplantation (EBMT prospective) (N. Kroger)
- How does the past predict the future of allogeneic transplantation: lessons for the field? (D. Weisdorf)
- How the APBMT is facing the challenge (S. Okamoto)

### **September, The 5th WBMT Workshop (Beijing, China)**

*International Experience and Data Sharing to Improve Access and Outcomes of Transplantation*

1. Importance of creating the HSCT global outcome registration system
  - Global perspective of HSCT & registration (J Szer)
  - WBMT Global Survey & registration (D Niederwieser)
  - CIBMTR perspective of HSCT and registration (M Pasquini)
  - HSC Donor Registries: Challenges and Perspectives (C Muller)
  - APBMT perspective: Importance of Outcome Data Sharing in Asian Pacific Region (Y Koda)
  - Current Activity Survey in the AP region (M Iida)
  - Outcome Registry Current Status and future perspectives (Y Atsuta)

- Chinese perspective of HSCT and Activity Surveys; Difficulties in Data collection (X Huang)
2. International Standards and Accreditation
- Steps towards international accreditation: Lessons learned (S Okamoto)
  - Addressing unproven cellular therapies (M Koh)

#### **April, WBMT/AfBMT (Morocco)**

*First Meeting of the African Blood and Marrow Transplantation Group: SCT in bone marrow failure*

Co-Chairs: N. Novitzky, MD; N. Khoubila, MD

- Recent Progress in Diagnosis and Treatment of Inherited Bone Marrow Failure (S. Kojima)
- Acquired (S. Osman Ahmed)

### **2017**

#### **October, APBMT (Iran)**

*APBMT / WBMT Joint Session: Transplantation reports in the Asian pacific region & the progress of BMT in the world and Asian pacific region*

Co-Chairs: A. Ghavamzadeh, MD; S. Okamoto, MD

- The progress of BMT in the Islamic Republic of Iran (A. Ghavamzadeh)
- The report of transplantation in all 15 BMT centers of Iran in the last five years (A. Hajifathali)
- The current status and future challenges of the Asia-Pacific Blood and Marrow Transplantation Group (APBMT) (S. Okamoto)
- The history, current status and future trends of WBMT (Y. Kodaera)
- The report of transplantation in China five recent years (H. Huang)
- The advance of HSCT after the enforcement of “The Act for Appropriate Provision of Hematopoietic Stem Cells to be Used in Transplantations” in Japan (Y. Kodaera)
- Outcome of autologous hematopoietic stem cell transplants for multiple myeloma in a single center in Sri Lanka (L. Gooneratne)
- The report of transplantation in Malaysia in five recent years (OT. Chuan)

### **2016**

#### **October, APBMT (Singapore)**

*WBMT Programme- ASBMT/EBMT/APBMT Joint Session*

Co-Chairs: Y. Kodaera, MD; J. Szer, MD

- Future of Hematopoietic Stem Cell Transplantation & Cellular Therapy Modern Conditioning Regimens Prior to allo – HSCT (M. Mohty)

- Hematopoietic Cell Transplant Activity in the United States (CN. Bredeson)
- Design the Future of Hematopoietic Stem Cell Transplantation: APBMT Perspectives (S. Okamoto)
- WBMT – Who Are We, What Have We Done and What Will We Do? (J. Szer)

### **February, BMT Tandem Meetings**

#### *Stem Cell Transplantation for Bone Marrow Failure*

Co-Chairs: S. Kojima, MD; SA. Giralt, MD

- Hematopoietic Stem Cell Transplantation in Adult Patients with Acquired Aplastic Anemia: Asian Perspectives (JW. Lee)
- Bone Marrow Failure in Children (S. Kojima)
- Poor Graft Function Post-Transplant – Time to Take this Seriously (SA. Giralt)

## **2015**

### **October, APBMT (Japan)**

#### *Global Trend of HSCT and the Future Role of APBMT (WBMT/APBMT Joint Session (I))*

Co-Chairs: Y. Kodaera, MD; S. Okamoto, MD

- Medical Products of Human Origin WHO Project: Regulatory Recommendations for MPHO-WBMT (JR. Nunez)
- Global Trends in Hematopoietic Stem Cell Transplantation (HSCT) (D. Niederwieser)
- Starting New HSCT Program in Emerging Countries in Asia-Pacific Area (D. Ma)

#### *Working together with Emerging Countries in HSCT in Asia (WBMT/APBMT Joint Session (II))*

Co-Chairs: TK. Saikia, MD; AA. Hamidieh, MD

- Report from Mongolia (B. Khishigjargal)
- Report from Sri Lanka (L. Gooneratne)
- Report from Myanmar (AA. Gyi)
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**March, EBMT**

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Co-Chairs: M. Mohty, MD; C. Chomienne, MD; AA. Hamidieh, MD

- New drugs in hematology (M. Mohty)
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# **Blood Cell Therapy**

The official journal of APBMT



# Blood Cell Therapy

The official journal of APBMT

Blood Cell Therapy is the official journal of Asia-Pacific Blood and Marrow Transplantation Group. We have published it since October 2018 and issue quarterly.

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Abstract of APBMT 2019 was uploaded.

Abstract of APBMT annual meeting 2019 was uploaded....

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**Aims and scope:** Blood Cell Therapy is an international journal publishing peer-reviewed original and review articles in the field of all aspects of hematopoietic cell transplantation and cell therapy. Not only clinical research but also basic research relevant to cell therapy are covered. The scope of our journal encompasses wide variety of clinical or basic topics including:

- Results of trials with new protocols
- Transplant-related complications
- Transplant outcome studies dealing with QOL, psychology, economy or regional characteristics
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- Translational research
- Transplantation immunology
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Submission : <https://mc.manuscriptcentral.com/bct>

## List of the Accepted Articles (As of December 31, 2019)

### *Original Article*

#### **Monitoring of citrulline and diamine oxidase levels as biomarkers for intestinal mucositis during early-phase hematopoietic cell transplantation**

Noriyasu Fukushima<sup>1,2,3</sup>, Satoshi Tomiyasu<sup>2</sup>, Yoshinori Uji<sup>2</sup>, Masako Yokoo<sup>3</sup>, Takero Shindo<sup>3</sup>, Yasushi Kubota<sup>3</sup>,

Toshihiko Ando<sup>3</sup>, Kensuke Kojima<sup>3</sup>, Eisaburo Sueoka<sup>4</sup>, Tatsuo Ichinohe<sup>1</sup>, Shinya Kimura<sup>3</sup>

<sup>1</sup>Department of Hematology and Oncology, Research Institute for Radiation Biology and Medicine, Hiroshima University, Hiroshima, Japan. <sup>2</sup>Department of Medical Science Technology, School of Health Sciences at Fukuoka,

International University of Health and Welfare, Okawa, Japan <sup>3</sup>Division of Hematology, Respiratory Medicine and Oncology, Department of Internal Medicine, Faculty of Medicine, Saga University, Saga, Japan. <sup>4</sup>Department of Laboratory Medicine, Faculty of Medicine, Saga University, Saga, Japan.

Blood Cell Therapy Vol.1 Issue.1 No.1 Pages 1-8

Submitted: December 19, 2017 Accepted: July 7, 2018 Published online: August 29, 2018

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### *Review Article*

#### **Recent advances and current challenges in allogeneic stem cell transplantation in patients with acquired severe aplastic anemia**

Sung-Eun Lee and Jong Wook Lee

Department of Hematology, Catholic Blood and Marrow Transplantation Center, Seoul St. Mary's Hospital, College of Medicine, The Catholic University of Korea, Seoul, Republic of Korea

Blood Cell Therapy Vol.1 Issue.1 No.2 Pages 9-17

Submitted: March 6, 2018 Accepted: May 19, 2018 Published online: August 29, 2018

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### *Review Article*

#### **Recent progress in improving the safety and efficacy of chimeric antigen receptor T cell therapy**

Yingying Yang, Yongxian Hu, Jiasheng Wang, He Huang

Zhejiang University School of Medicine First Affiliated Hospital

Blood Cell Therapy Vol.1 Issue.1 No.3 Pages 18-27

Submitted: April 12, 2018 Accepted: July 7, 2018 Published online: August 29, 2018

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### ***Case Report***

## **Primary CNS post-transplant lymphoproliferative disorder following haplo- identical HSCT using post-transplant high-dose cyclophosphamide**

Masako Toyosaki<sup>1</sup>, Makoto Onizuka<sup>1</sup>, Jun Amaki<sup>1</sup>, Sawako Shiraiwa<sup>1</sup>, Yasuyuki Aoyama<sup>1</sup>, Shinichiro Machida<sup>1</sup>, Hidetsugu Kawai<sup>1</sup>, Hiromichi Murayama<sup>1</sup>, Daisuke Ogiya<sup>1</sup>, Keiko Matsui<sup>1</sup>, Shohei Kawakami<sup>1</sup>, Kaito Harada<sup>1</sup>, Yusuke Kondo<sup>2</sup>, Kenichi Hirabayashi<sup>2</sup>, Naoya Nakamura<sup>2</sup>, Yoshiaki Ogawa<sup>1</sup>, Hiroshi Kawada<sup>1</sup>, Kiyoshi Ando<sup>1</sup>

<sup>1</sup>Division of Hematology and Oncology, Department of Medicine, Tokai University School of Medicine, Kanagawa, Japan, <sup>2</sup> Department of Pathology, Tokai University School of Medicine, Kanagawa, Japan

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### ***Case Report***

## **Successful allogeneic peripheral blood stem cell transplantation for an aggressive variant of T-cell large granular-lymphocyte leukemia: A case report**

Kazuhito Suzuki<sup>1,2</sup>, Kaichi Nishiwaki<sup>1,2</sup>, Jiro Minami<sup>2</sup>, Hidekazu Masuoka<sup>1,2</sup>, Mitsuji Katori<sup>1,2</sup>, Hiroki Yokoyama<sup>1,2</sup>, Hideki Uryu<sup>1,2</sup>, Shingo Yano<sup>2</sup>

<sup>1</sup>Division of Clinical Oncology/Hematology, The Jikei University Kashiwa Hospital, <sup>2</sup>Division of Clinical Oncology/Hematology, The Jikei University School of Medicine

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### ***Case Report***

## **Gastric antral vascular ectasia in a pediatric patient with neuroblastoma who underwent tandem stem cell transplantation**

Yumiko Sugishita, Shohei Yamamoto, Ryota Kaneko, Naoko Okamoto, Masaya Koganesawa, Sachio Fujita, Kosuke Akiyama, Ryosuke Matsuno, Daisuke Toyama, Keiichi Isoyama

Department of Pediatrics, Showa University Fujigaoka Hospital, Japan

Blood Cell Therapy Vol.2 Issue.1 No.3 Pages 9-11

Submitted: August 24, 2018 Accepted: October 2, 2018 Published online: January 15, 2019

DOI:<https://doi.org/10.31547/bct-2018-007>

### ***Review Article***

## **Autologous hematopoietic stem cell transplant for autoimmune diseases: evolution, evidence of efficacy, and real-world economics**

Massey, Jennifer C.<sup>1,2,3</sup>, Moore, John J.<sup>2,3,4</sup>, Milliken, Samuel T.<sup>4</sup>, Ma, David D. F.<sup>2,3,4,5</sup>

<sup>1</sup>Department of Neurology, St Vincent's Hospital Sydney, Australia, <sup>2</sup>Blood, Stem Cell and Cancer Research Program, St Vincent's Centre for Applied Medical Research, Sydney, Australia, <sup>3</sup>St Vincent's Clinical School, Faculty of Medicine, University of NSW, Sydney, Australia, <sup>4</sup>Department of Haematology and Bone Marrow Transplant, St Vincent's Hospital Sydney, Australia, <sup>5</sup>Corresponding author

Blood Cell Therapy Vol.2 Issue.2 No.1 Pages 12-21

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### ***Original Article***

## **Kinetics of neutrophil engraftment in allogeneic stem cell transplantation**

Akihisa Kawajiri<sup>1</sup>, Shigeo Fuji<sup>1,2</sup>, Yoshihiro Inamoto<sup>1</sup>, Saiko Kurosawa<sup>1</sup>, Takashi Tanaka<sup>1</sup>, Ayumu Ito<sup>1</sup>, Keiji Okinaka<sup>1</sup>, Sung-Won Kim<sup>1</sup>, Takahiro Fukuda<sup>1</sup>

<sup>1</sup>Department of Hematopoietic Stem Cell Transplantation, National Cancer Center Hospital, Tokyo, Japan

<sup>2</sup>Department of Hematology, Osaka International Cancer Institute, Osaka, Japan

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### ***Short Communication***

## **A decade of excellent transplant survival in children with inherited metabolic diseases: A report from a single metabolic transplant centre in Europe**

Su Han Lum<sup>1</sup>, Andrew Will<sup>1</sup>, Heather J Church<sup>2</sup>, Jean Mercer<sup>2</sup>, Karen L Tylee<sup>2</sup>, Kay Poulton<sup>3</sup>, Wendy Odgen<sup>4</sup>, Helena Lee<sup>3</sup>, Alison Logan<sup>3</sup>, Mary Coussons<sup>1</sup>, Tasneem Khalid<sup>5</sup>, Denise Bonney<sup>1</sup>, Stewart Rust<sup>6</sup>, Prashant Hiwarkar<sup>1</sup>, Simon A Jones<sup>2</sup>, Robert F Wynn<sup>1</sup>

<sup>1</sup>Department of Pediatric Blood and Marrow Transplant, Royal Manchester Children's Hospital, UK, <sup>2</sup>Manchester Center for Genomic Medicine, St Mary's Hospital, Manchester, UK, <sup>3</sup>Transplantation Laboratory, Manchester Royal Infirmary, Manchester, UK, <sup>4</sup>Therapeutic Stem Cell Laboratory, Royal Manchester Children's Hospital, Manchester, UK, <sup>5</sup>Department of Pharmacy, Royal Manchester Children's Hospital, Manchester, UK, <sup>6</sup>Pediatric Psychosocial Department, Royal Manchester Children's Hospital, Manchester, UK

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### ***Case Report***

## **Role of hematopoietic stem cell transplantation in Philadelphia chromosome-positive acute lymphoblastic leukemia: a report of 2 unique cases**

Yadanar Lwin<sup>1</sup>, David Ma<sup>1,2</sup>

<sup>1</sup>Department of Haematology and BM Transplant, St Vincent's Hospital Sydney, NSW, Australia, <sup>2</sup>St Vincent's Clinical School, Faculty of Medicine, the University of New South Wales

Blood Cell Therapy Vol.2 Issue.3 No.1 Pages 36-38

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### ***Original Article***

## **Predictors of parental distress during acute phase of pediatric hematopoietic stem cell transplantation in Japan: A multicenter prospective study**

Shohei Nakajima<sup>1</sup>, Ami Setoyama<sup>1</sup>, Iori Sato<sup>1</sup>, Tomoko Fukuchi<sup>2</sup>, Harumi Tanaka<sup>2</sup>, Masami Inoue<sup>3</sup>, Kentaro Watanabe<sup>4</sup>, Katsuyoshi Koh<sup>4</sup>, Junko Takita<sup>5</sup>, Mika Tokuyama<sup>6</sup>, Kenichiro Watanabe<sup>6</sup>, Kiyoko Kamibeppu<sup>1</sup>

<sup>1</sup>Department of Family Nursing, Division of Health Sciences and Nursing, Graduate School of Medicine, The University of Tokyo, Tokyo, Japan, <sup>2</sup>Department of Nursing, Osaka Women's and Children's Hospital, Osaka, Japan, <sup>3</sup>Department of Hematology/Oncology, Osaka Women's and Children's Hospital, Osaka, Japan, <sup>4</sup>Department of Hematology/Oncology, Saitama Children's Medical Center, Saitama, Japan, <sup>5</sup>Department of Pediatrics, The University of Tokyo Hospital, Tokyo, Japan, <sup>6</sup>Department of Hematology and Oncology, Shizuoka Children's Hospital, Shizuoka, Japan.

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### ***Survey Report***

## **Country Report: The Report of Transplant Activity and Outcome During the First 12 Months at the First National Hematopoietic Stem Cell Transplant Center in Sri Lanka**

P Abeyasinghe<sup>1</sup>, L Morawaka<sup>2</sup>, S Gunasekara<sup>1</sup>, S Suresh<sup>1</sup>, PWDCC Jayathilake<sup>1</sup>, PHSP Udara<sup>1</sup>, PPR Siriwardena<sup>1</sup>, S Milliken<sup>3</sup>, J Moore<sup>3</sup>, DDF Ma<sup>3</sup>

<sup>1</sup>National Cancer Institute, Sri Lanka, <sup>2</sup>National Blood Transfusion Service, Sri Lanka, <sup>3</sup>Department of Haematology and BM Transplantation, St. Vincent's Hospital Sydney, NSW, Australia

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### ***Survey Report***

## **Transplant Programs in APBMT: Blood and Marrow Transplant Activity Report from Myanmar APBMT Meeting 2018, Taiwan**

Aye Aye Gyi<sup>1</sup>, Htun Lwin Nyein<sup>2</sup>, Thida Aung<sup>3</sup>, Rai Mra<sup>4</sup>

<sup>1</sup>Department of Clinical Haematology, North Okkalapa General and Teaching Hospital, University of Medicine 2, Yangon, Myanmar, <sup>2</sup>Department of Clinical Haematology, Yangon General Hospital, Yangon, <sup>3</sup>National Blood Center, Yangon, <sup>4</sup>Myanmar Society of Haematology, Myanmar Medical Association

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### ***Review Article***

## **Expansion of Haematopoietic Stem and Progenitor Cells: Paving the Way for Next- Generation Haematopoietic Stem Cell Transplantation**

Sudipto Bari<sup>1,3</sup>, Paul Chong<sup>1</sup>, William Ying Khee Hwang<sup>1,2,3</sup>

<sup>1</sup>National Cancer Centre Singapore, <sup>2</sup>Department of Haematology, Singapore General Hospital, Singapore, <sup>3</sup>Cancer and Stem Cell Biology, Duke-NUS Medical School, Singapore

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## ***Survey Report***

### **Autologous stem cell transplant program in 2016—country report from Bangladesh**

Mafruha Akter<sup>1</sup>, Mohiuddin Ahmed Khan<sup>1</sup>, Bimalangshu R Dey<sup>2</sup>

<sup>1</sup>BMT Unit, Department of Hematology, Dhaka Medical College Hospital(DMCH), <sup>2</sup>Massachusetts General Hospital (MGH), Harvard Medical School, Boston, USA

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## ***Case Report***

### **Successful treatment strategy in incorporating mogamulizumab and cord blood transplantation in aggressive adult T-cell leukemia-lymphoma: a case report**

Keiichi Nakata<sup>1</sup>, Shigeo Fujii<sup>1</sup>, Midori Koike<sup>1</sup>, Yuma Tada<sup>1</sup>, Hiroaki Masaie<sup>1</sup>, Hitoshi Yoshida<sup>1</sup>, Eri Watanabe<sup>2</sup>, Seiichiro Kobayashi<sup>3</sup>, Arinobu Tojo<sup>4</sup>, Kaoru Uchimaru<sup>4</sup>, Jun Ishikawa<sup>1</sup>

<sup>1</sup>Department of Hematology, Osaka International Cancer Institute, Osaka, Japan, <sup>2</sup>Department of IMSUT Clinical Flow Cytometry Laboratory, The Institute of Medical Science, The University of Tokyo, Tokyo, Japan, <sup>3</sup>Division of Molecular Therapy, Institute of Medical Science, The University of Tokyo, Tokyo, Japan, <sup>4</sup>Department of Hematology/Oncology, Research Hospital, The Institute of Medical Science, The University of Tokyo, Tokyo, Japan

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## ***Original Article***

### **Late mortality and causes of death among long-term survivors after autologous hematopoietic stem cell transplantation**

Minako Iida<sup>1</sup>, Hideki Nakasone<sup>2</sup>, Takuya Yamashita<sup>3</sup>, Masami Inoue<sup>4</sup>, Yasushi Ishida<sup>5</sup>, Hitoji Uchiyama<sup>6</sup>, Yuta Katayama<sup>7</sup>, Toshihiro Miyamoto<sup>8</sup>, Satoshi Yoshioka<sup>9</sup>, Souichi Shiratori<sup>10</sup>, Takehiko Mori<sup>11</sup>, Masashi Sawa<sup>12</sup>, Yasuhiro Sugio<sup>13</sup>, Takahiro Fukuda<sup>14</sup>, Tatsuo Ichinohe<sup>15</sup>, Yoshiko Atsuta<sup>16</sup>, Yoshihiro Inamoto<sup>14</sup>, for the Late Effect and Quality of Life Working Group of the Japan Society for Hematopoietic Cell Transplantation

<sup>1</sup>Department of Promotion for Blood and Marrow Transplantation, Aichi Medical University School of Medicine, Nagakute, Japan, <sup>2</sup>Division of Hematology, Saitama Medical Center, Jichi Medical University, Saitama, Japan, <sup>3</sup>Department of Hematology, St. Luke's International Hospital, Tokyo, Japan, <sup>4</sup>Department of Hematology/Oncology, Osaka Women's and Children's Hospital, Osaka, Japan, <sup>5</sup>Department of Pediatrics, Ehime Prefectural Central Hospital, Matsuyama, Japan, <sup>6</sup>Department of Hematology, Japanese Red Cross Kyoto Daiichi Hospital, Kyoto, Japan, <sup>7</sup>Department of Hematology, Hiroshima Red Cross Hospital & Atomic-bomb Survivors Hospital, Hiroshima, Japan, <sup>8</sup>Medicine and Biosystemic Science, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan, <sup>9</sup>Department of Hematology, Kobe City Medical Center General Hospital, Kobe, Japan,

<sup>10</sup>Department of Hematology, Hokkaido University Hospital, Sapporo, Japan, <sup>11</sup>Division of Hematology, Department of Medicine, Keio University School of Medicine, Tokyo, Japan, <sup>12</sup>Department of Hematology and Oncology, Anjo Kosei Hospital, Anjo, Japan, <sup>13</sup>Department of Internal Medicine, Kitakyushu City Hospital Organization, Kitakyushu Municipal Medical Center, Kitakyushu, Japan, <sup>14</sup>Department of Hematopoietic Stem Cell Transplantation, National Cancer Center Hospital, Tokyo, Japan, <sup>15</sup>Department of Hematology and Oncology, Research Institute for Radiation Biology and Medicine, Hiroshima University, Hiroshima, Japan, <sup>16</sup>Japanese Data Center for Hematopoietic Cell Transplantation/Department of Healthcare Administration, Nagoya University Graduate School of Medicine, Nagoya, Japan

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### ***Case Report***

## **Haploidentical hematopoietic stem cell transplantation with one-day posttransplant cyclophosphamide and anti-thymocyte globulin for graft failure**

Hiroshi Imanaga<sup>1</sup>, Takanori Ohta<sup>2</sup>, Seido Oku<sup>2</sup>, Yasuhiro Sugio<sup>2</sup>, Yuju Ohno<sup>2</sup>

<sup>1</sup>Medicine and Biosystemic Science, Kyushu University Graduate School of Medical Sciences, Fukuoka, Japan,

<sup>2</sup>Department of Internal Medicine, Kitakyushu Municipal Medical Center, Fukuoka, Japan

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### ***Original Article***

## **Treatment of relapsed acute leukemia by Ara C plus donor lymphocyte infusion using CD34+ cells reserved at the time of allogeneic transplantation**

Lee YJ<sup>1,2</sup>, Back DW<sup>1,2</sup>, Cho HC<sup>1,2</sup>, Moon JH<sup>1,2</sup>, Sohn SK<sup>1,2</sup>

<sup>1</sup>Division of Hematology-Oncology, Department of Internal Medicine, Kyungpook National University Hospital, Daegu, Republic of Korea,

<sup>2</sup>School of Medicine, Kyungpook National University, Daegu, Republic of Korea

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# Appendix

## **Offering Delta Mileage to Medical Professionals in Emerging Countries/Regions to Support their Journeys in the Asia-Pacific Region by the Japanese Marrow Donor Registry Promotion Conference (JMDRPC)**

[Background and aims of this project]

APBMT encourages medical professionals in emerging countries/regions to obtain knowledge and skills regarding Hematopoietic Stem Cell Transplantation by attending international congresses which will further contribute to the development of such technologies in their countries. However, costly travel expenses are an obstacle that prevents young medical professionals from participating.

The Japanese Marrow Donor Registry Promotion Conference (JMDRPC) possesses miles donated by contributors who use Delta Airlines through the Sky Wish Charity program. The aim of this project is to utilize these miles to support the travel expenses of medical professionals from emerging countries towards the improvement of hematopoietic cell transplantation; thus, this project will expand opportunities for patients in emerging countries to receive transplants.

### **Beneficiaries in 2018 and 2019**

<b>2018</b>	Malaysia	Doctor
	Mongolia	Doctor
	Myanmar	Doctor
<b>2019</b>	India	Doctor
	Malaysia	Doctor
	Malaysia	Doctor
	Malaysia	Nurse
	Malaysia	HSCT Coordinator
	Mongolia	Doctor

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## APBMT officers

### President



Shinichio Okamoto

Department of Hematology

Keio University

35 Shinanomachi, Shinjuku, Tokyo, 160-8582, Japan

Tel: +81 3 3335 1221

okamoto@a7.keio.jp

### Secretariat office

**E-mail: [office@apbmt.org](mailto:office@apbmt.org)**

**Website: <http://www.apbmt.org>**

Department of Promotion for Blood and Marrow  
Transplantation

Aichi Medical University School of Medicine

1-1 Yazakokarimata, Nagakute, Aichi, 480-1195, Japan

Tel: +81 561 62 3311 (Ext. 12375) Fax: +81 561 61 3180



Minako Iida

miida@aichi-med-u.ac.jp



Yukari Nakao

yukari-nakao@aichi-med-u.ac.jp



Hiroe Namizaki

namizaki@aichi-med-u.ac.jp



