



Inside

Message from the Chairman	1
Message from the Editor	
Introducing New APSTH officers	
Chairman: Satoshi Fujii	
Chairman Elect: Raymond Wong	
Secretary General: Ng Heng Joo	
Treasurer: Teruto Hashiguchi	
Executive Council Members: Soo-Mee Bang	
Executive Council Members: Yu Hu	
Executive Council Members: Beng Chong	
Immediate Past Chairman: Lee Lai Heng	
Officer of PRs and Communications:	
Ponlapat Rojnuckarin	

Report and perspectives on APSTH2021 in Korea
Report from APSTH-JSTH joint symposium
World Thrombosis Day (WTD) activities in Asia-Pacific region
Upcoming meetings

APSTH Officers

Chairman

Satoshi Fujii

Chairman Elect

Raymond Wong

Secretary General

Ng Heng Joo

Treasurer

Teruto Hashiguchi

Executive Council Members

Soo-Mee Bang

Yu Hu

Beng Chong

Immediate Past Chairman

Lee Lai Heng

Officer of PRs and Communications

Ponlapat Rojnuckarin

Contact Us

Secretary General Office

Heng Joo Ng, MD

Department of Haematology, Singapore General Hospital (SGH), Outram Road, Singapore 169608

Email: ng.heng.joo@singhealth.sg

Editor Office

Ponlapat Rojnuckarin, MD, PhD

Division of Hematology

Department of Medicine

Faculty of Medicine

Chulalongkorn University Bangkok

10330, Thailand

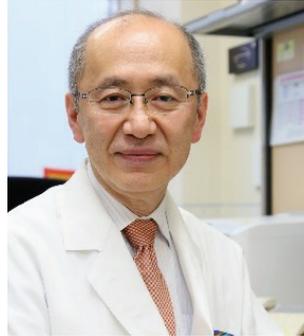
E-mail: Ponlapat.R@Chula.ac.th

rojnuckarinp@gmail.com

Tel: 662-256-4000 EXT 80252

Fax: 662-256-4564

Message from the Chairman



Satoshi Fujii
Chairman of APSTH

Welcome to our new Newsletter. It is a great pleasure and honor to serve as new chairman of APSTH that I have been part of for a long time during my career. This is a great responsibility that I take seriously and I would like to make every effort to be a good steward for APSTH. Together with the new executive council members (Drs. Raymond Wong, Ng Heng Joo, Teruto Hashiguchi, Soo-Mee Bang, Yu Hu, Beng Chong, Lee Lai Heng and Ponlapat Rojnuckarin), I look forward to building on the foundation created by former chairmen to advance APSTH and continue expanding our reach to researchers and practitioners in Asia-Pacific region. I would like to help expand the APSTH mission of advancing career development of young members and promote the research, diagnosis, treatment, practice and prevention of conditions regarding thrombosis and hemostasis. With the help of societies in each member country, I am confident that we can continue to build good status of APSTH, which promotes access to education and science and increases opportunities for close and friendly collaborations. It is desirable that each APSTH member, especially a young one, is committed to science, education and networking. APSTH needs to serve for accomplishing this purpose during my tenure.

Eighteen years have passed since I first attended the 3rd APSTH in 2004 held at Bangkok, Thailand. I was very grateful to Dr. Saengsuree Jootar for having invited me to this meeting. That was a wonderful experience, meeting regional experts and seeing good works done by researchers and clinicians interested in thrombosis and hemostasis. I look back with sweet memories of this meeting where a spirit of friendship and cooperation was born and grown.

APSTH has grown with increasing country members and attendances. We have now representatives from Australia, Cambodia, China, Hong Kong, India, Indonesia, Japan, Korea, Malaysia, Mongolia, New Zealand, Philippines, Singapore, Sri Lanka, Thailand, Taiwan and Vietnam. More than 400 delegates have attended in recent APSTH meetings. Our 11th 2020APSTH meeting was planned in Korea. It was unfortunate that the meeting was postponed due to coronavirus pandemic and held online in 2021. Professors Myung Ho Jeong, Soo-Mee Bang and KSTH members dealt with this most difficult situation and built an excellent program.

We are grateful for the kind support of International Society on Thrombosis and Haemostasis (ISTH) to our educational activities. We now have 3 members in ISTH council coming from the Asia-Pacific region (Pantep Angchaisuksiri from Thailand, Midori Shima from Japan and Chris Ward from Australia). We thank them for acquiring educational support of ISTH to APSTH. We also continue our

Members of APSTH Council

Australia

Ross Baker
Beng Chong
Chris Ward

Cambodia

Robyn Devenish
Chean Sophal

China

Ming Hou
Changgeng Ruan
Yongqiang Zhao

Hong Kong (China)

Raymond Wong

India

Alok Srivastava

Indonesia

Aru Wisaksono Sudoyo
Lugyanti Sukrisman
Karmel Tambunan

Japan

Satoshi Fujii
Yukio Ozaki
Koji Suzuki
Tetsumei Urano

Korea

Soo-Mee Bang
Kwang-Hoe Chung
Doyeun Oh
You CW
Jeong MH

Malaysia

Faraizah Abdul Karim
Jameela Sathar

Mongolia

Otgonbat Altangerel
Nergui Dagvadorj

New Zealand

Claire McLintock
Mark Smith

Philippines

Maria Teresa B. Abola

Singapore

Manjunatha Kini
Lai Heng Lee
Sim Leng Tien
Sri Lanka
H.M. Sduharma Vidyatilake

Taiwan

Dong-Tsamn Lin
Ching-Tien Peng
Ming-Ching Shen

Thailand

Pantep Angchaisuksiri
Yingyong Chinthammitr
Wichai Prayoonwiwat
Ponlapat Rojnuckarin
Saengsuree Jootar

Vietnam

Bach Quoc Khanh
Nguyen Anh Tri

connection with the Japanese Society of Thrombosis and Hemostasis (JSTH) with the APSTH-JSTH joint symposiums and appreciate the travel grants and education support that JSTH provides for our junior scientists and investigators.

I encourage your continuing support of our newsletter (Professor Ponlapat Rojnuckarin is our Public Relations and Communications officer and the editor) and website as the portal of communication and disseminating information. Together we can do much more to support and help each other in advancing education, enhancing patient care and promoting research in thrombosis and hemostasis.

Please join me to express our heartfelt thanks to our immediate past Chairman, Professor Lee Lai-Heng and immediate past Treasurer, Professor Tetsumei Urano for all their contributions to APSTH.

I would like to take this opportunity to extend my best wishes to you as we move forward.

Satoshi Fujii
Chairman

From the Editor



Ponlapat Rojnuckarin
Officer of Public Relations
and Communications APSTH

Dear Friends and Colleagues

This is the first issue of the APSTH newsletter after over two years of pandemics. Once again, our upcoming activities will become face-to-face. Upon increasing in-person communications, we do expect much more active networking and collaborations among Asia-Pacific countries.

Firstly, we would like to introduce our newly-elected APSTH, Prof Satoshi Fujii, and all the other council members. With this great team, I can see the future expansion and prosperity of the thrombosis and hemostasis community in the Asia-Pacific region.

There are reports from the APSTH 2021 in Korea and the APSTH-JSTH joint symposium in Sendai, Japan. Both conferences were greatly successful in the virtual format. The main purpose was achieved by strongly promoting talented young investigators in our region.

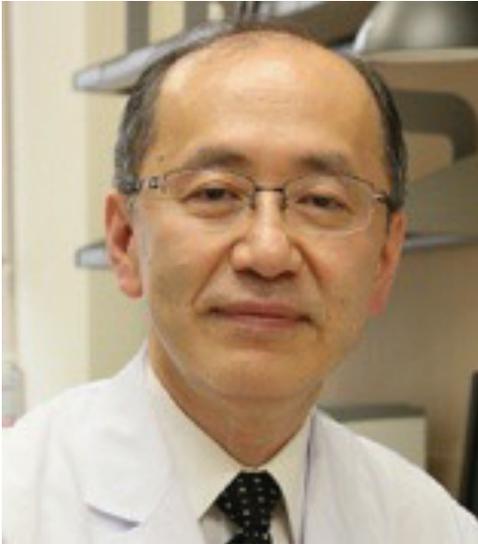
In the midst of pandemic, the World Thrombosis Day (WTD) activities in this region were still very intense. In 2021, several on-line events and messages were disseminated through social media to both health care workers and general public. The aims were to enhance awareness of the thrombotic complications of COVID19 infection or vaccine and the appropriate strategies to prevent and treat them.

Finally, we would like to inform that the next APSTH meeting will be held in Kuching, Malaysia from 19-21 October, 2023. Please mark your calendar and plan your trip for this exciting forum. We are looking forward to meet you all there.

If you have any comments and/or suggestions on this bulletin, as well as any news or information you would like to spread among the Asia-Pacific Thrombosis and Hemostasis community, please do not hesitate to contact me via email.

Ponlapat Rojnuckarin, Editor
Officer of Public Relations and Communications

INTRODUCING NEW APSTH OFFICERS



Chairman
Satoshi Fujii, MD, PhD

Professor Emeritus of Laboratory Medicine, Asahikawa Medical University, Asahikawa, Japan and Quality Control Doctor, Division of Laboratory and Transfusion Medicine, Hokkaido University Hospital, Sapporo, Japan

Dr. Satoshi Fujii received an MD degree and a PhD degree from the Hokkaido University in Japan. He specializes in cardiovascular medicine and laboratory medicine. From 2019-2020 he held the position of Assistant Director of Asahikawa Medical University Hospital (International Accreditation) and from 2020-2021 Assistant President of Asahikawa Medical University (International Medical Care Personnel Development). He is currently a member of the executive board of the Japanese Association of Clinical Laboratory Physicians.

Dr. Fujii is a fellow of several societies including the American Heart Association and the American College of Cardiology. Throughout his career, Dr. Fujii received several awards including the Young Investigator Travel Award from the International Society on Fibrinolysis and Proteolysis and Good Teacher Award from Nagoya City University. He serves as an associate editor for *Thrombosis Journal*, the official journal of APSTH. His recent research focuses on new biomarkers of thrombosis and myocardial ischemia.



Chairman Elect
Raymond Wong, MD

Head, Division of Haematology, Department of Medicine & Therapeutics
The Chinese University of Hong Kong, Hong Kong SAR

Dr. Wong graduated Bachelor of Medicine and Bachelor of Surgery from the Chinese University of Hong Kong. He completed his training in Haematology & Haematological Oncology, Internal Medicine as well as Clinical Pharmacology and Therapeutics at the Prince of Wales Hospital, Hong Kong. He also completed his Blood and Marrow Transplantation Fellowship training at the MD Anderson Cancer Center, Texas, USA and gained a Doctor of Medicine at the Chinese University of Hong Kong. He is currently Consultant in the Department of Medicine & Therapeutics at the Prince of Wales Hospital and the Head of the Cluster Clinical Haematology Unit of the New Territories East Cluster, Hospital Authority.

Dr. Wong was the Chairman of the Hong Kong Association of Blood Transfusion and Haematology in 2004 to 2005. He is author or co-author of more than 140 peer-reviewed articles published in international journals including *Blood*, *Circulation*, *JAMA* and the *New England Journal of Medicine*.

INTRODUCING NEW APSTH OFFICERS

Secretary General
Heng Joo Ng, MD

Head of the Department of Haematology, Singapore General Hospital (SGH).

Dr Ng is a Clinical Professor with the Duke–National University of Singapore (NUS) School of Medicine, Senior Lecturer with the Yong Loo Lin School of Medicine, NUS. After graduating from NUS in 1993, Dr Ng practiced in the Malaysian state of Sarawak before training in Haematology at SGH. He attained specialist accreditation in 2004 and thereafter did a year-long fellowship in thrombosis and haemostasis at McMaster University in Hamilton, Canada. His research interest is in optimisation of anticoagulation and bleeding disorders.



Treasurer
Teruto Hashiguchi, MD., PhD.

Professor, Department of Laboratory and Vascular Medicine
Graduate School of Medical and Dental Sciences
Kagoshima University, Japan

Dr. Teruto Hashiguchi received an PhD degree from the Kagoshima University in Japan. He specializes in thrombosis, hemostasis and vascular biology. He studied with Prof. Earl Warren Davie at the University of Washington in Seattle from 1991-1992. He became a professor of Department of Laboratory and Vascular medicine in 2011. From 2021, he held the Chair of the International Committee in Japanese Society of Thrombosis and Hemostasis.

INTRODUCING NEW APSTH OFFICERS



Executive council member
Soo-Mee Bang, MD, PhD

Professor of Internal Medicine, Division of Hematology, Department of Internal Medicine, Seoul National University, College of Medicine, Seoul National University Bundang Hospital, South Korea

Dr. Bang received an MD and PhD degree from the Seoul National University in Korea. She specializes in Hematology-Oncology in 2000. She is currently the President of the Korean Society on Thrombosis and Hemostasis.

Dr. Bang is a member of several societies including the American Society of Hematology, International Society on Thrombosis and Hemostasis and the Asian-Pacific Society on Thrombosis and Hemostasis. Throughout her career, Dr. Bang received several awards including the Song-Am Award from the Korean Society on Thrombosis and Hemostasis (2010). Her recent research focuses on the cancer associated thrombosis, myeloproliferative neoplasms and monoclonal gammopathy of unknown significance.



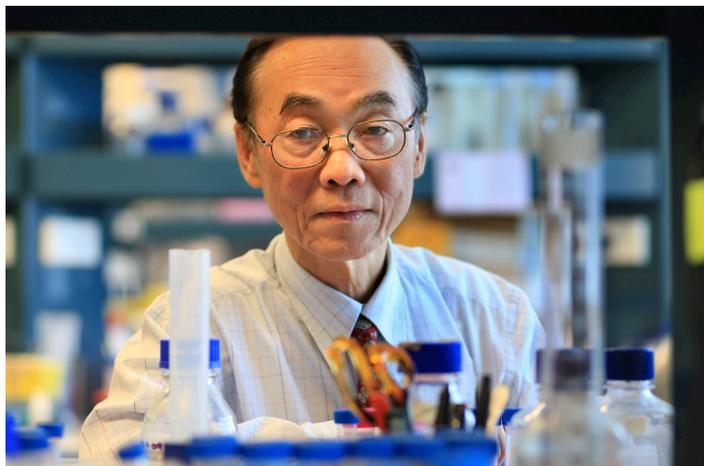
Executive Council Member
Yu Hu, MD

The president of Union Hospital, Tongji Medical School, Huazhong University of Science and Technology, Director of the Institute of Hematology.

Dr Yu Hu is the winner of National Outstanding Youth, the National Science and Technology Progress Award, and the Ho Leung Ho Lee Science and Technology Progress Award. He is the Chairman-Elect of the Chinese Society of Hematology, the head of the Thrombosis and Hemostasis Group, member of the Education Committee of the International Society of Thrombosis and Hemostasis. He also serves as the deputy editor-in-chief of the "Thrombosis Haemostasis" and "Thrombosis Research", and the editor-in-chief or associate editor of several Chinese journals.

He has published more than 300 papers in hematology journals, including 159 SCI papers as the first author and/or corresponding author, and representative works include Cell, N Engl J Med, JAMA, Lancet Oncol, Lancet Haematol, Circulation, Am J Hum Genet, etc. SCI cited more than 10,000 times.

INTRODUCING NEW APSTH OFFICERS



Executive Council Member
Beng Chong, MD

Professor and Director, Department of Haematology, The St George Hospital, UNSW, Australia

Professor Beng H. Chong, a haematologist with >30 year experience, is known internationally for his research in thrombosis/haemostasis. He is a haematologist at NSW Health Pathology, St George Hospital. He is Professor (conjoint) (2013-), Professor of Medicine/Head of Medicine, St George Clinical School (2001-2012), University New South Wales. He leads a team with interests in basic, translational and clinical research focusing immune thrombocytopenia/ thrombosis, and venous thromboembolism. He has gained competitive research funding from various sources including NHMRC (project/program grants, > \$30millions). He has 241 publications including papers in high impact journals such as Nature, Nature Comm, Lancet, N Engl J Med, Science Transl Med and Blood, with 21,438 total citations (3 papers with >2000 citations); an h-index of 63. The impact of Prof Chong includes invitations to speak at international conferences (including Keynote/ Plenary) and membership of international/ national panels for development of clinical guidelines for HIT, immune thrombocytopenia and venous thromboembolism. In recognition of his research, he has received prestigious international/national awards e.g. Berend Houwen Award 2020, a top honour of International Society of Laboratory Hematology.



Immediate Past Chairman
Lai Heng Lee, MD

Clinical Associate Professor Yong Loo Lin School of Medicine, National University of Singapore (NUS) and Adjunct Associate Professor, Duke-NUS Graduate Medical School.

Dr. Lee received her medical and advanced specialist training in haematology in Singapore. She is previously head and currently a senior consultant with the Department of Haematology at Singapore General Hospital. Her keen interest in coagulation disorders resulted in numerous publications and she played a key role in clinical trials in novel anticoagulants in Singapore and the Asia Pacific. She was instrumental in the setting up of the anticoagulation clinic, promoting patient safety in anticoagulation therapy and developing the subspecialty of Thrombosis and Haemostasis in Singapore. Besides her clinical, research, administrative and academic duties, Dr. Lee contributes actively towards local and international professional societies in various leadership roles. She previously served as President of the Singapore Society of Haematology and Chairman of the Asia Pacific Society of Thrombosis and Haemostasis. Currently, she serves as the Chairman of the Chapter of Haematology and Honorary Secretary on the board of the College of Physician, Singapore and committee member on the World Thrombosis Day Committee at International Society of Thrombosis and Haemostasis.

INTRODUCING NEW APSTH OFFICERS



Officer of Public Relations and Communications
Ponlapat Rojnuckarin, MD, PhD

Professor of Medicine, Division of Hematology, Department of Medicine, King Chulalongkorn Memorial Hospital and Chulalongkorn University, Bangkok, Thailand

Dr Rojnuckarin earned the MD degree from Chulalongkorn University and the PhD degree (Biochemistry) from University of Washington, USA. He is also certified for Thai Boards of Internal medicine, Hematology, Clinical Pathology, Clinical Pharmacology and Toxicology, and Transfusion Medicine. He is currently the President of the Thai Society of Hematology, Secretary General of the Royal College of Physicians of Thailand, Head of the King Chulalongkorn Memorial Hospital Blood Bank and Director of the Center for Medical Diagnostic Laboratories (CMDL), Faculty of Medicine, Chulalongkorn University.

His research interests include bleeding, thrombosis and tropical hematology (snakebites). He published over 140 articles in peer-reviewed journals.



Proposal for the future meeting based on the experience of hosting the first virtual conference in APSTH 2021

Soo-Mee Bang MD., Ph.D.

Executive Council Member and 2021 APSTH Academic Chair

Professor, Division of Hematology-Oncology, Department of Internal Medicine, Seoul National University School of Medicine, Seoul National University Bundang Hospital, Republic of Korea

Dear APSTH members

Korea is now at the door of autumn, a fruitful season, after the heat and humid summer is gone.

I wish all your good health, an end to the COVID pandemic, and the continuing development of the individual societies in each country.

I'm Soo-Mee Bang from Korea, the academic chair of the 2021 APSTH virtual meeting held online from March 18th to 20th last year. I'm very pleased to receive suggestions from Chairman Fuji and tell you about my experiences of holding the virtual conference, organizing academic programs and an introduction of award-winners, and suggestions for future academic conferences.

[1] Selection and promotion of host city

In Hanoi, where the 8th APSTH competition was held in 2014, Korea was selected as the venue for the 2020 congress. Council members were interested in the second hosting city in Korea because they remembered the 2nd APSTH meeting in Seoul in 2002. Since Seoul is a well-known international city and a transportation hub, the convenience of transportation and facilities could be maximized if the congress was held again in Seoul, but KSTH decided to hold the next congress in "Gwangju" to introduce and create a new venue for cultural exchanges in Korea. Gwangju, a city of tradition and art breathe, was selected unanimously by the local organizing committee (LOC) in thought of promoting the understanding of Korean traditions and cultures that are not well introduced. Just in time, the Kim Dae-Jung convention center was built to commemorate the former president as a Nobel laureate. Therefore, a video was produced including the introduction of the city and traffic information from Seoul-Incheon International Airport, the gateway to Korea, to Gwangju, and presented at the 9th Taipei meeting in 2016, to make the accelerated interest and receive the response of council members. At the 10th Asia-Pacific Society Meeting in Sapporo, Japan in 2018, and the ISTH meeting in Melbourne,

Australia in 2019, a separate promotional booth was provided with the help of each organizer to distribute handouts and souvenirs introducing academic programs. After receiving e-mails from booth visitors, regular newsletters were delivered by APSTH LOC office.

[2] Academic committee and programs

On September 5, 2018, the first meeting of the LOC was held, and the committee appointed president, secretary-general, and academic chair of APSTH 2020. the organization of the academic subcommittee was completed until the second organizing committee was held on November 7th. The chairman of each subcommittee was elected. Korean researchers were selected and commissioned by into five divisions: arterial thrombosis, venous thrombosis, coagulation disorder, platelet, and vascular biology. The presentation on the planning of academic programs of the five subcommittee was conducted in the second organizing meeting. Subsequently, a coagulopathy related to trauma and severe illness was added as the 6th division according to the needs of the members.

The conference, which was scheduled to be held after two years of preparation, was postponed for six months due to the COVID Pandemic. After the organizing and academic committee devised a plan to successfully hold the conference and meet the needs of the members, it was decided to hold APSTH online for the first time in March 2021. While maintaining the symbolism of Gwangju, the host city, the hosting office was changed to COEX in Gangnam, Seoul, to ensure stable transmission and comply with quarantine guidelines for the chairpersons and field participants.

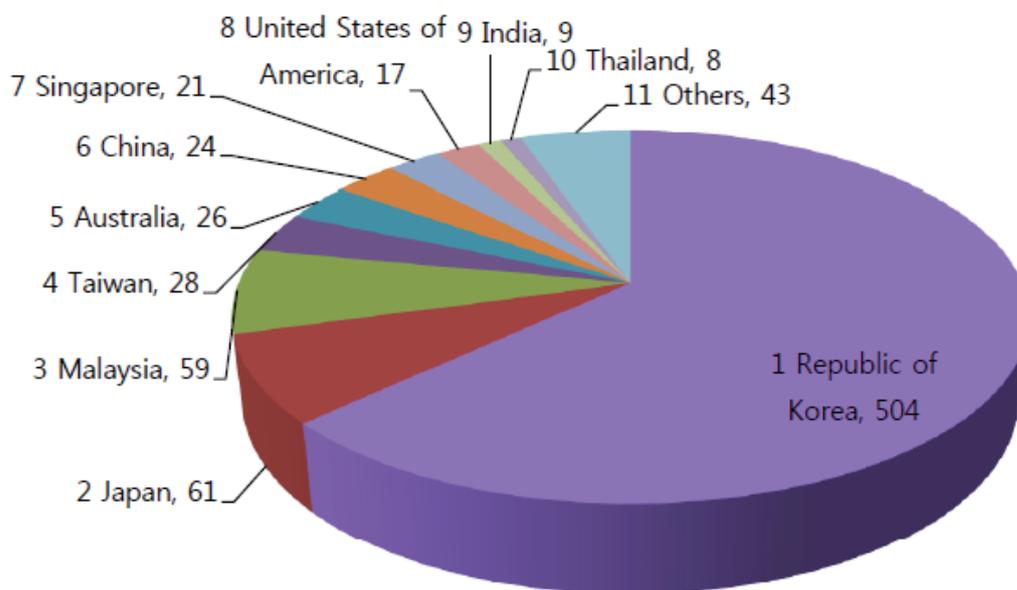
Most of the speakers and chairpersons who endured the six-month delay were willing to participate in the academic program, and thanks to the efforts to pre-record or connect online on the day, it was well transmitted without any accidents during the three days of the meeting (figure 1). The satisfaction of the participants was very high.

Figure 1. Photographs from the APSTH virtual 2021



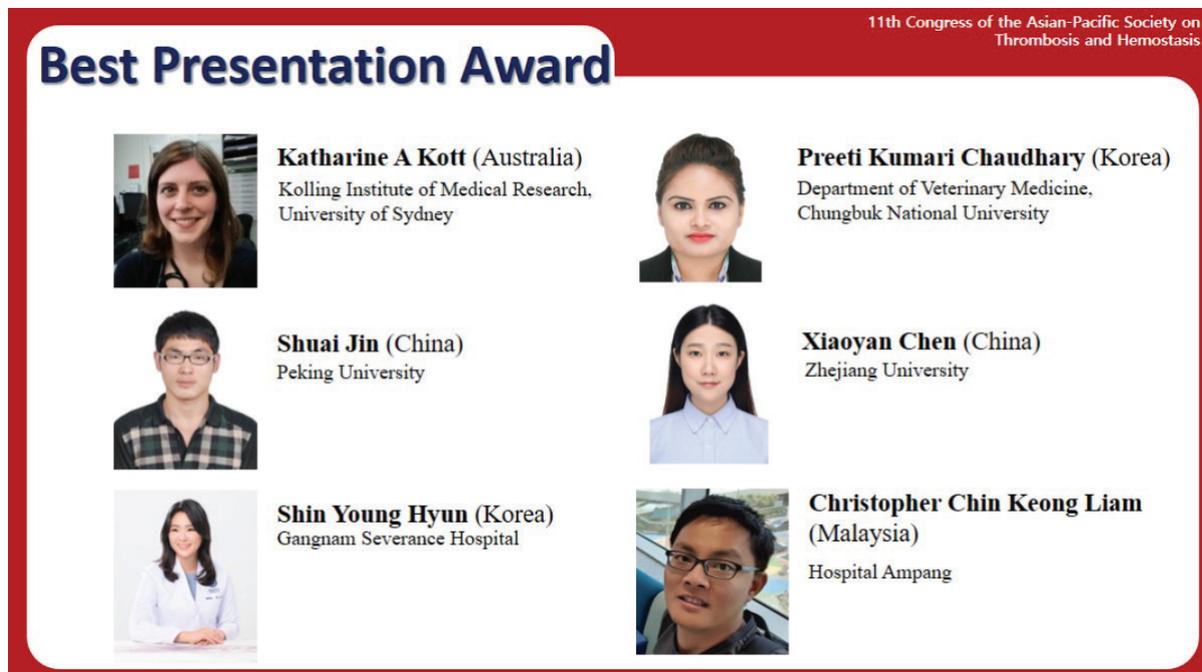
A total of 800 participants were from 32 countries, and the distribution of the top 10 countries is attached (figure 2).

Figure 2. Top 10 countries in APSTH 2021 by the number of attendees.



A total of 26 oral and 88 poster abstracts were submitted and presented on the day of the conference or posted on the online website. Among them, the Local Review Committee selected the six best presentation awardees (Figure 3) and six best poster awardees and awarded prizes of 500 and 300 USD, respectively. In addition, the APSTH poster awards for 30 excellent posters were selected and a prize of 200 USD was awarded.

Figure 3. Six winners for the Best Presentation Award.



[3] Suggestions for the future meeting

Based on the experience of holding the first online Asia-Pacific Conference in 2021, I would like to make some suggestions.

First, in terms of population and research infrastructure, members and researchers in the Asia-Pacific region are likely to play a pivotal role in the future. Still, we cannot deny that there is a part of countries that need to make strides to meet global standards. To provide resources and educational opportunities to such countries, please consider expanding free participation opportunities in some countries at the council meeting.

Second, even if the pandemic is controlled and free travel and offline participation become possible in the future, we hope to hold a hybrid meeting to expand the participation of members who cannot attend the on-site meeting. With the

development of technology, if the language is selected and subtitles are provided in various languages when transmitting online, it will be helpful as educational materials even after the conference.

Third, the academic program was organized as the leading role of the LOC until the APSTH held in Korea last year. Of course, it is a good opportunity to show the excellent academic achievements of the host country, and it is time to develop each country's capabilities in turn, but it is regrettable that there is no unique common format of the Asia-Pacific Society. I think it is high time to discuss whether to establish an academic committee within the Asia-Pacific Society to provide a standard format for society and integrate it with the host country's own programs. In addition, it would be good to keep holding collaborative symposiums with academic societies from around the world such as ISTH and academic societies from countries.



Report from Highlights of APSTH-JSTH joint symposium 2022 in Sendai, Japan

APSTH/JSTH joint symposium was held on June 23, 2022 at the 44th Congress of the Japanese Society on Thrombosis and Hemostasis (JSTH). The APSTH/JSTH joint symposium at the Congress of JSTH was started since 2005, inviting 4-6 young researchers from Asian countries each time to present their research. The aim of this symposium is to foster researchers in the Asia-Pacific region, and past participants have been very happy to come to Japan and deepen exchanges with Japanese researchers. However, due to the spread of COVID-19, oral presentations were made online. Two oral presentations and five poster presentations were presented.

We look forward to receiving many submissions for the next APSTH/JSTH joint symposium.

Oral presentation

1. Sang-A Kim, Seoul National University Bundang Hospital, South Korea

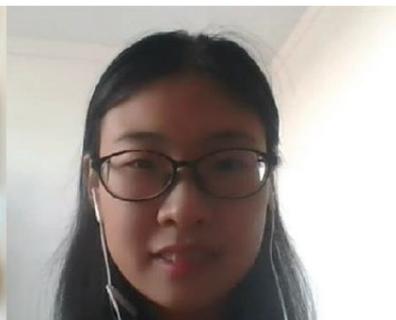
Treatment and bleeding complications of cancer-associated venous thromboembolism: A Korean population-based study

2. Yuefen Hu, Department of Hematology, Qilu Hospital, Cheeloo College of Medicine, Shandong University, Jinan, China.

The effects of Eltrombopag on the IFN- α -induced anti-viral immune response in the treatment of HBV-ITP



Sang-A Kim



Yuefen Hu



(R) Prof. Nogami (L) Prof. Hashiguchi

Treatment and bleeding complications of cancer-associated venous thromboembolism: A Korean population-based study

Sang-A Kim,

Department of Internal Medicine, Seoul National University College of Medicine, Seoul National University Bundang Hospital, Seongnam, Republic of Korea



In patients with cancer-associated venous thromboembolism (CAT), direct oral anticoagulants (DOACs) showed comparable bleeding tendency while reducing recurrence rate compared to parenteral anticoagulant (PAC). However, gastrointestinal bleeding remains a major obstacle to DOAC use, especially in patients with gastrointestinal (GI) cancers. Considering that Asian countries including Korea and Japan have a relatively high prevalence of GI cancers, it is important to investigate the treatment pattern and the rate of bleeding complications in this patient population. This study aimed to analyze real-world data using Korean Health Insurance Review and Assessment service database from 2014 to 2018.

A total of 27,205 CAT patients were identified. Colorectal cancer and stomach cancer accounted for 14.2% (n=3,865) and 9.7% (n=2,635) of entire CAT patients, respectively. DOACs were the most frequently used anticoagulants, irrespective of cancer type. In CAT, the cumulative incidence of major bleeding was higher with DOAC (3.9%) than PAC (3.2%; $P=0.01$). However, there was no difference in major bleeding when compared with warfarin ($P=0.11$) or mixed anticoagulants ($P=0.94$). The cumulative incidence of major GI bleeding was 3.4% with DOAC and 2.7% with PAC ($P<0.01$). Compared with DOAC, hazard ratio (HR) of major bleeding and major GI bleeding with PAC was 0.79 (95% confidence interval [CI], 0.67-0.94) and 0.76 (95% CI, 0.63-0.92), respectively.

Focusing on GI cancer patients, the cumulative incidence of major bleeding was even higher with DOAC (5.1%) than PAC (3.4%; HR 0.59 [95% CI, 0.42-0.82]; $P=0.01$) while

there was no significant difference compared with warfarin ($P=0.63$) or mixed anticoagulant ($P=0.79$). The cumulative incidence of major GI bleeding was also higher with DOAC (4.9%) than PAC (3.0%; HR 0.54 [95% CI 0.38-0.78]; $P<0.01$). When analyzed according to individual drugs (apixaban, dabigatran, edoxaban, and rivaroxaban), major bleeding and major GI bleeding with each DOAC showed no difference in both entire CAT patients ($P=0.94$ and $P=0.95$) and GI cancer patients ($P=0.27$ and $P=0.70$).

Five years after DOACs became available in CAT patients, DOACs have become the most prescribed anticoagulant in Korea. In our patient population, bleeding complication occurred more frequently with DOAC compared with PAC, and this difference was more prominent in patients with GI cancers. Personalized anticoagulation and cautious monitoring of bleeding complications are required for optimal treatment of CAT.

World Thrombosis Day Activities in Asia Pacific Region (2021)



WORLD THROMBOSIS DAY
13 OCTOBER

In 2021, APSTH hosted several virtual scientific conferences and virtual seminars for general public in member countries as well as disseminated virtual campaigns using website, YouTube and Facebook.

As face to face meetings were not possible due to COVID-19 pandemic. APSTH focused on topics related to urgent needs for the thrombosis associated with viral infections. Virtual scientific conferences were held focusing on the thrombotic complications on COVID-19, vaccine-related thrombosis (thrombosis with thrombocytopenia syndrome) and cancer associated thrombosis. ZOOM meetings were used for health professional conferences and ZOOM meetings and Facebook live were used for seminars for general public.

The activities were held on October 31 (**Figure 1**), November 21 (**Figure 2**), and December 20 (Figure 3) in Japan with the total of 875 health professional attendees, on October 13 (**Figure 4 and 5**) in Singapore and on October 9 (**Figure 6-9**) in Thailand. The meetings were announced through Japanese Society on thrombosis and hemostasis (Japan), Singapore Society of Haematology and College of Physicians and Academy of Medicine (Singapore) and Thai Society of Hematology (Thailand) using posters, e-mails, Facebook and Line.

毎年10月13日は
「世界血栓症デー」

 世界血栓症デー2021
医療従事者向け公開講座

COVID-19 ワクチン接種後の 血小板減少症を伴う血栓症

(Thrombosis with Thrombocytopenia Syndrome:TTS)

についてくわしく知ろう

日時

2021年

10月31日 日 10:30～12:00

ご予約

 ZoomによるWebセミナー（参加費無料）
URLまたはQRコードからお申込みください。

<https://coubic.com/morishita/400173>

 セクション
1

「TTSってどんな疾患？診断と診療について」

司会：森下 英理子（金沢大学病態検査学）

◆ 疫学と臨床所見

演者：平野 照之（杏林大学 脳卒中医学）

◆ 検査と治療

演者：安本 篤史（北海道大学病院 検査・輸血部）

ELISA法の抗PF4抗体をどこに依頼したら測定できるか、ご案内します

 セクション
2

「TTS症例の解説」

司会：森下 英理子

コメンテーター

平野 照之

安本 篤史

「Q&A」

主催：



Figure 1



世界血栓症デー2021

市民公開講座 (web開催)

日時

2021年11月21日(日)
午前10時～12時30分

ご予約

ZoomによるWebセミナー：参加 無料
下記のURLまたはQRコードからお申込みください。



URL : <https://coubic.com/morishita/534677>

プログラム

司会：森下英理子

(金沢大学附属病院血液内科)

1. 血栓症ってどんな病気？なぜ血が固まるの？

静岡社会健康医学大学院大学 浦野哲盟

2. 癌と血栓症

大阪国際がんセンター成人病ドック科 向井幹夫

3. 新型コロナウイルス感染と血栓症

金沢大学附属病院血液内科 森下英理子

4. 質問コーナー ※ご質問は事前ご予約時に承ります

「世界血栓症デー」は、国際血栓止血学会により定められました。
世界の血栓症関連の団体が手を携えて、世界中で血栓症の認識を高めることで、
血栓症の発症を予防することを目的としています。

主催：一般社団法人 日本血栓止血学会

Figure 2

**世界血栓症デー2021 WEB講演会**

新型コロナウイルス感染症 — 抗体から血栓症、ワクチンまで —

日時 2021年 **12月20日 (月)**
19:00~20:30



ご予約 Cisco Webex Meetingsにて開催いたします。
下記のURLまたはQRコードからお申込みください

予約サイトURL

<https://coubic.com/morishita/727869>

1. 新型コロナウイルス感染症と抗体検査

(大阪市立大学寄生虫学 城戸康年)

2. 新型コロナウイルス感染症と凝固異常症

(金沢大学附属病院高密度無菌治療部 朝倉英策)

3. 新型コロナウイルスワクチン接種後の血栓症

(順天堂大学 救急・災害医学 射場敏明)

4. Q & A

総合司会：森下英理子

(金沢大学医薬保健研究域病態検査学)

主催：一般社団法人 日本血栓止血学会



Figure 3



COLLEGE OF PHYSICIANS, SINGAPORE
ACADEMY OF MEDICINE, SINGAPORE



2021 – 2022

COUNCIL MEMBERS

Dr David Lye
President

Dr Terence Kee
Vice-President

Dr Lee Lai Heng
Honorary Secretary

Dr Faith Chia
Honorary Treasurer

Dr Lau Tang Ching
Council Member

Dr Bok Chek Wai
Council Member

Dr Ng Heng Joo
Council Member

CHAPTER AND SECTION CHAIRS

Dr Michael Lim
Chair, Chapter of Cardiologists

Dr Tee Shang-lan
Chair, Chapter of Dermatologists

Dr Kurumbian Chandran
Chair, Chapter of Endocrinologists

Dr Chua Tju Siang
Chair, Chapter of Gastroenterologists

Dr Nihar Pandit
Chair, Chapter of General Physicians

Dr Tan Thai Lian
Chair, Chapter of Geriatricians

Dr Lee Lai Heng
Chair, Chapter of Haematologists

Dr Asok Kurup
Chair, Chapter of Infectious Disease
Physicians

Dr Joline Lim
Chair, Chapter of Medical Oncologists

Dr Raymond Seet
Chair, Chapter of Neurologists

Dr Peh Tan Ying
Chair, Chapter of Palliative Medicine
Physicians

Dr Sherry Young
Chair, Chapter of Rehabilitation
Physicians

Dr Manish Kaushik
Chair, Chapter of Renal Physicians

Dr Jansen Koh
Chair, Chapter of Respiratory
Physicians

Dr Manjari Lahiri
Chair, Chapter of Rheumatologists

Dr Bernard Thong
Chair, Section of Clinical
Immunologists and Allergists

CALL FOR SPONSORSHIP/EDUCATIONAL GRANT

1. OVERVIEW & OBJECTIVE

The Chapter of Haematologists under the College of Physicians, Singapore, together with the Academy of Medicine, Singapore, plans to organize a free symposium on **World Thrombosis Day 2021**.

The Chapter is delighted to invite sponsorship/educational grant for this event. It is hoped that the exposure and program will be of mutual benefit and we look forward to co-operating with your company to make this endeavor an untold success.

2. FRAMEWORK FOR PROPOSED WEBINAR

Organizers	1. Chapter of Haematologists, College of Physicians, Singapore 2. Academy of Medicine, Singapore (AMS)
Co-organizer(s)	NA
Speakers	Please refer to Annex 1
Date:	13 October 2021
Duration:	2-hr CME/CPD accredited symposium
Mode:	Online electronic means (ZOOM)
Target Audience:	~150 pax comprising medical practitioners in Singapore and beyond
Programme:	Please refer to Annex 1

3. CHAPTER and ACADEMY'S OBLIGATIONS

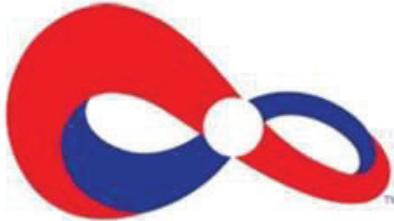
Programme:	To develop, produce and host the symposium
Secretariat Support & Admin:	Provide secretariat support to organize, publicize and manage the programme attend to CME accreditation and submission of CME attendance; and production of symposium.

4. OPPORTUNITIES FOR SPONSOR

Sponsorship:	Sponsor will endow an educational grant of \$5,000 to cover cost of organizing and running the webinar, subscription of webinar platform, technical and manpower support, and processing of CME accreditation and credits.
Registration:	FREE

Academy of Medicine, Singapore • 81 Kim Keat Road, #11-00, NKF Centre, Singapore 328836
Tel: (65) 6593 7800 • Fax: (65) 6593 7880 • Email: cps@ams.edu.sg • Registration No: 197702012E

Figure 4



WORLD THROMBOSIS DAY
OCTOBER 13

EYES OPEN TO THROMBOSIS

Assess, Prevent & Treat Venous Thromboembolism

You can reduce the toll of this deadly disorder by identifying patients who might be at greatest risk

WED 

13 October 2021 6:00PM (UTC+8)

[Click here to REGISTER NOW](#)



A/Prof Lee Lai Heng
Senior Consultant
Singapore General Hospital



A/Prof Ng Heng Joo
Head & Senior Consultant
Singapore General Hospital



Dr Chee Yen Lin
Head & Senior Consultant
National University Cancer Institute



Dr Vishnu Prasad
Consultant
Khoo Teck Puat Hospital

Time	Topic
6:00PM	Welcome & Opening Address
6:10PM	COVID-19 Thrombosis: What's New and Vaccine Related Thrombosis, should we be concerned?
6:40PM	Risk Assessment Models for Prevention of Venous Thromboembolism in Hospitalized Patients
7:10PM	DOACs in Renal Failure
7:40PM	Questions & Answers

Figure 5



หน่วยโลหิตวิทยา กองอายุรกรรม โรงพยาบาลพระมงกุฎเกล้า
 ชมรม Thrombosis and Haemostasis
 และสมาคมโลหิตวิทยาแห่งประเทศไทย
 ขอเชิญแพทย์ พยาบาล บุคลากร นักศึกษาแพทย์ และประชาชนทั่วไป
 เข้าร่วมประชุมวิชาการ

World Thrombosis Day

โรค COVID-19 และการเกิดลิ่มเลือด



9 ตุลาคม 2564



8.45 - 11.30 น.



ภาคประชาชนทั่วไป

ผู้ดำเนินรายการ นพ.ปณชัย ศิลปสัมฤทธิ์

เวลา	เนื้อหา	วิทยากร
08.45 - 09.00	เปิดงาน	
09.00 - 09.20	วัคซีนสำหรับป้องกันโควิด 19	พ.ต.นพ.วรพงษ์ นามทรง
09.20 - 09.30	ถาม-ตอบ	
09.30 - 10.00	โควิดกับการเกิดลิ่มเลือด	ผศ.นพ.ชาตรี ชัยอดิศักดิ์โสกา
10.00 - 10.15	ถาม-ตอบ	
10.15 - 10.45	วัคซีนโควิดกับการเกิดลิ่มเลือด	รศ.นพ.นทชาญ เอื้อประเสริฐ
10.45 - 11.00	ถาม-ตอบ	
11.00 - 11.20	ลิ่มเลือดอุดตันในเด็ก	รศ.พญ.ดารินทร์ ซอสดทิฎา
11.20 - 11.30	ถาม-ตอบ	

ประชาชนทั่วไปรับชมได้ที่ Facebook เพจ Instant Hematology

<https://www.facebook.com/PMK.Hematology>



เวลา	เนื้อหา	วิทยากร
08.45 - 09.00	เปิดงาน	
09.00 - 09.20	วัคซีนสำหรับป้องกันโควิด 19	พ.ท.นพ.วรพงศ์ ชื่นสุวรรณ
09.20 - 09.30	ถาม-ตอบ	
09.30 - 10.00	Thromboprophylaxis in COVID-19	พญ.พิจิกา จินทรารมณ์ชาติ
10.00 - 10.15	ถาม-ตอบ	
10.15 - 10.45	Hematologic complications from COVID vaccine	ผศ.นพ.ยิ่งยง ชินธรรมมิตร
10.45 - 11.00	ถาม-ตอบ	
11.00 - 11.20	Thrombosis in pediatric patients	ศ.พญ.นงนุช สิริชัยนันท์
11.20 - 11.30	ถาม-ตอบ	

ภาคบุคลากรทางการแพทย์
ผู้ดำเนินรายการ นพ.รัฐพันธ์ ละมุล



ไม่มีค่าลงทะเบียนในการรับชม

สำหรับบุคลากรทางการแพทย์ที่ยังไม่ได้ลงทะเบียน สามารถเข้ารับ
ฟังได้ฟรีในวันงาน ผ่านทางโปรแกรม zoom เพียง scan QR code

Figure 6

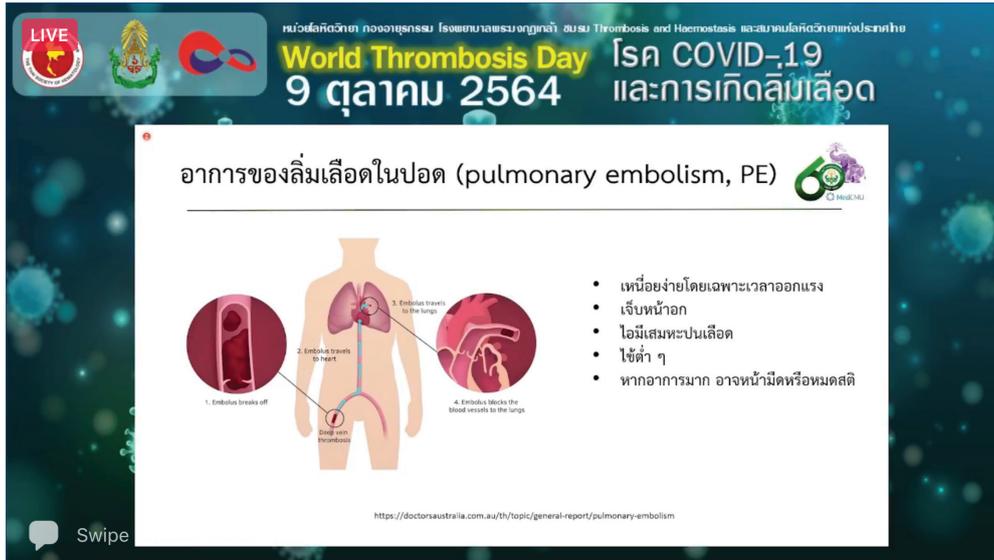


Figure 7



Figure 8



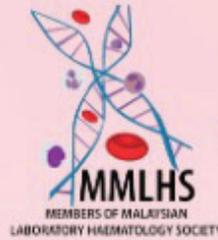
Figure 9

Organized by:



APSTH

Asian-Pacific Society on Thrombosis and Hemostasis



12th Congress of the Asian-Pacific
Society of Thrombosis and Hemostasis

APSTH 2023

19-21 Oct 2023, Kuching, Sarawak

