

### Contents

President's news

Ruth Sanger orator for 2019 announced

Immulab Sponsored Educational Sessions

New Blood 2019 Award Sponsored By  
Immulab

Make a Donation to ANZSBT

National Blood Transfusion Committee

ANZSBT Standing Committee News

Dawn Thorp AO Order of Australia

OTHER (NON-ANZSBT) NEWS

Published literature

### SAVE THE DATE

Blood 2019



20-23 October 2019

Perth Convention & Exhibition Centre.

ISBT Regional Congress

16-19 November 2021

ANZSBT to host in Brisbane, Australia

### PRESIDENT'S NEWS

The countdown to Perth is on with less than six weeks to go. The combined Annual Scientific Meeting of the three haematology societies (HSANZ, THANZ and ANZSBT) is the showcase for the Society for the year and is the main transfusion-related scientific meeting for Australia and New Zealand. It provides an opportunity to delegates to present their latest research findings, be informed of latest scientific updates from across the world, and an opportunity to catch up with and network with colleagues. Blood 2019 is lining up to be a fascinating and educational meeting, with an excellent line of international and local speakers who will be able to update us on current trends in clinical and laboratory transfusion medicine. Also, the theme for the Gala Dinner has been decided and is a celebration of teamwork, so come dressed as your favourite team or team member.

In this newsletter you will be able to find out who the Ruth Sanger orator for 2019 will be, information about the Immulab sponsored educational sessions, along with updates from the standing committees and a little celebration of an outstanding long-standing Society member who was recognised for her distinguished service to nursing and to medicine, in the Australia Day Honours.

On a bit of a historical note, I wanted to highlight where we have come from in our understanding of how the human body works, and the important role of blood. Humoral theory or the theory of the four humors was the model, detailing the mechanisms of the human body conceptualised by Ancient Greek and Roman physicians and philosophers. It became the dominant theory for many centuries and was based on the concept that the human body contains four key fluids – blood, yellow bile, phlegm and black bile. Health was associated with a balance of the four humors and imbalance a direct cause for disease. Treatment for disease was based on restoring the balance and one of the strategies included bloodletting. It's interesting to think that even today, bloodletting for either blood donation or venesection is still pretty important!

Thank you for your ongoing support of the Society, I look forward to seeing many of you in Perth.

Gemma Crighton, President

### BLOOD 2019 – REGISTER NOW

Register [here ...](#)



### RUTH SANGER ORATOR FOR 2019 ANNOUNCED



Dr Ian Prosser is a Consultant Haematologist and General Physician in private practice in Canberra, and Senior Medical Advisor for the Biological Science Section, Therapeutic Goods Administration.

Read more about Ian [here ...](#)

### IMMULAB SPONSORED EDUCATIONAL SESSIONS

ANZSBT is pleased to announce that we will be co-badging educational speaker tour meetings which are proudly supported and sponsored by Immulab. The primary objective of the meetings is the promotion of education and enhancement of medical knowledge with a focus on Immunohaematology. The meetings will take place in Perth, Brisbane, Sydney and Melbourne before and during Blood 2019 and are free for ANZSBT members.

More information [here...](#)

### NEW BLOOD 2019 AWARD SPONSORED BY IMMULAB

Immulab is kindly sponsoring an inaugural [Blood Bank Laboratory award](#). This award is for the best poster or oral presentation that demonstrates improvements within a Blood Bank laboratory setting.

### ANZSBT AWARDS AND GRANTS

Our latest featured Awards and Grants recipient is [Dr Candice Thomson](#) for the 2018 Presidential Award.

### ANZSBT MEMBERSHIP RENEWALS 2019/2020

Membership [renewals](#) are past due for the 2019/2020 year. Find out more about the [benefits of membership](#).

### MAKE A DONATION TO ANZSBT

ANZSBT are now licensed to receive donations in Australia and New Zealand, with full Deductible Gift Recipient status with the ATO – this means all donations are tax-deductible.

Donations received will be used **solely** to support ANZSBT's mission to promote and communicate best practice in clinical and laboratory transfusion medicine through life-changing research, education and the provision of independent expertise. [Donate today](#)



### NATIONAL BLOOD TRANSFUSION COMMITTEE

ANZSBT members can now log in to view the latest [NBTC Background Paper with Outcomes](#) tabling the latest updates in Transfusion Practices.

### ANZSBT STANDING COMMITTEE NEWS

#### Clinical Practice Improvement Committee

The CPIC has been reviewing feedback on the updated Guidelines for the Administration of Blood Products around the management of mild transfusion reactions, in particular a temperature rise during transfusion. The CPIC feels that the Guidelines should offer appropriate advice regarding the immediate management of patients while having a transfusion when the situation is dynamic. It does not seek to define a reaction. There is currently no international consensus. The CPIC have made recommendations to ANZSBT Council to change the wording of the relevant section and publication of the revised guidelines.

Philip Crispin, Chair, Clinical Practice Improvement Committee

#### Education Standing Committee

The ESC is delighted to welcome Olivia Mackenzie as our 'early career' recruit. Olivia completed her Graduate Nursing Program at St Andrews Hospital in Adelaide in 2018 and works in the Critical Care Unit.

The ESC met face-to-face in May and discussed strategies to increase ANZSBT membership; maximising the value of Blood 2019; ongoing production of the ANZSBT newsletter, including improved format and delivery; updates and improvements to our website; and a review of our social media strategy.

The [How to Join](#) pages have been updated to make it easier for new members to apply. In May the website had a record 2000 users, of which 26% were returning and 74% new visitors. The most visited page continues to be the [ANZSBT Guidelines](#) page.

The ESC is responsible for the content, coordination and editorial review of the newsletter. Past editions are available on the [website](#). We welcome your input and feedback at [anzsbt@anzsbt.org.au](mailto:anzsbt@anzsbt.org.au).

Sandy Minck, Chair, Education Standing Committee

#### Transfusion Science Standing Committee

The TSSC has continued the revision of the Guidelines for Transfusion and Immunohaematology Laboratory Practice with final edits underway. Liaison with David Roxby has occurred to enable correlation with the NPAAC standard for Requirements for Transfusion Laboratory Practice.

The Extended Life Plasma (ELP) guideline has been incorporated into the Guideline for Transfusion and Immunohaematology Laboratory Practice, and will be available with the guideline release. This consolidation was approved after consultation with the TGA. Ongoing discussion with the TGA about contingency for sections that have been removed are underway.

The review of the Guidelines for Laboratory Assessment of Fetomaternal Haemorrhage (FMH) was the focus of our annual face to face in May. Background research into testing methods for the guideline included an end user questionnaire which successfully received around 40 replies from across Australia and New Zealand. This information is being used to support the direction of our guideline and recommendations.

Nicole Zacher, Chair, Transfusion Science Standing Committee

#### Executive Committee of the ANZBT Research Fund

The Research Committee reviewed the applications for the 2019 Research Fund and made their recommendations to ANZSBT Council. The successful awardees will be announced at Blood 2019.

John Carter, Chair, Executive Committee of the ANZBT Research Fund

### Transfusion Professionals Network

In order to improve communication with members of the TPN, a search function has been added to the ANZSBT [Search the Members Directory](#) website page.

The terms of reference for TPN members and the ANZTPN Steering Committee are being reviewed to clarify the format, who can attend, and who has voting rights at the Annual General Meeting.

The inaugural Transfusion Practitioner Study Day at Blood 2019 is on Saturday 19th October 2019. Admission is free to all ANZSBT members. Cost for non-members is \$50 per person. The program is available [here](#) and registration is via the [Blood 2019 website](#).

Our most recent ANZTPN Newsletter – Winter 2019 is now available on the website at the bottom of the [Special Interest Group](#) page.

Angie Monk, Chair, Transfusion Professionals Network

### DAWN THORP AO ORDER OF AUSTRALIA



We sincerely congratulate one of our long-standing members, Dawn Thorp AO, on being awarded the Order of Australia in the Australia Day honours this year for Services to Nursing and to Medicine in the field of Haematology as an expert clinician and mentor.

Dawn is exceptionally regarded nationally and internationally in haematology nursing, haemophilia and transfusion medicine fields. We thank her for her many contributions to our society over the years, as a long-standing member of ANZSBT, as a member of the ANZSBT Science Committee and on being one of the main authors on the first edition of the Guidelines for the Administration of Blood Components Transfusion in 2004.

### OTHER (NON-ANZSBT) NEWS

#### Critical developments in transfusion 2017-2018

If you're looking for a succinct review of the critical developments in transfusion medicine from late 2017 and throughout 2018, then look no further than this review published recently in *Transfusion*.

*Critical developments of 2018: A review of the literature from selected topics in transfusion. A committee report from AABB's Clinical Transfusion Medicine Committee.*

<https://doi.org/10.1111/trf.15348>

Of note, and of particular interest to ANZSBT members would be:

- An increased use in transfusion medicine of studies that use large data sets to look for associations between donor/product characteristic and "omics," and the resultant clinical outcomes in transfused patients.
- Development of nucleic acid-based testing methods for dengue fever.
- Testing for Zika – individual donation nucleic acid testing for Zika that is highly specific (>99%) is available at a cost of US\$5.3 million per Zika RNA positive test.
- Results of two randomised controlled trials of pathogen reduction platelets. Both studies have yielded lower corrected count increments.
- A summary of significant publications that have added to the knowledge of optimal massive transfusion for hemorrhagic shock.
- Update on published studies on Chimeric Antigen Receptor T-Cell Therapy that demonstrate the impact these therapies have on relevant malignancies.

Melissa May  
Manager Strategic Projects, New Zealand Blood Service, New Zealand

### Blood Matters Serious Transfusion Incident Report

Blood Matters has presented their annual [Serious Transfusion Incident Report for 2016-17](#).

### Genomic medicine here to stay? Have your say.

We need non-genetic medical specialists to tell us about genomics in healthcare. Your input will help shape future workforce practices and CPD. Click [here](#) to complete the anonymous **15-minute** survey. For queries, contact [Dr Amy Nisselle](#). This is an NH&MRC-funded activity of *Australian Genomics* (University of Melbourne HREC1646785.8).

### PUBLISHED LITERATURE FROM OUR MEMBERS (April 2019 - September 2019)

Windegger, TM., Nghiem, S, Nguyen, K, Fung, Y. and Scuffham, PA. (2019), [Cost-utility analysis comparing hospital-based intravenous immunoglobulin with home-based subcutaneous immunoglobulin in patients with secondary immunodeficiency](#). Vox Sang. doi:10.1111/vox.12760

Faddy, H. M., Fryk, J. J., Hall, R. A., Young, P. R., Reichenberg, S., Tolksdorf, F., Sumian, C., Gravemann, U., Seltsam, A. and Marks, D. C. (2019), [Inactivation of yellow fever virus in plasma after treatment with methylene blue and visible light and in platelet concentrates following treatment with ultraviolet C light](#). Transfusion. doi:10.1111/trf.15332

Abdullah HR, Ang AL, Froessler B, Hofmann A, Jang JH, Kim YW, Lasocki S, Lee JJ, Lee SY, Lim KKC, Singh G, Spahn DR, Um TH, Asia-Pacific PBM Expert Consensus Meeting Working Group. [Getting patient blood management Pillar 1 right in the Asia-Pacific: a call for action](#). Singapore Med J 2019, 1–27  
<https://doi.org/10.11622/smedj.2019037>  
Published ahead of print: 2 May 2019

Trentino, K. M., Leahy, M. F., Sanfilippo, F. M., Farmer, S. L., Hofmann, A., Mace, H. and Murray, K. (2019), [Associations of nadir haemoglobin level and red blood cell transfusion with mortality and length of stay in surgical specialties: a retrospective cohort study](#). Anaesthesia, 74: 726-734. doi:10.1111/anae.14636

Faddy, H. M., Rooks, K. M., Irwin, P. J., Viennet, E., Papparini, A., Seed, C. R., Stramer, S. L., Harley, R. J., Chan, H., Dennington, P. M. and Flower, R. L. (2019), [No evidence for widespread Babesia microti transmission in Australia](#). Transfusion. doi:10.1111/trf.15336

Gosbell, I. B., Hoad, V. C., Styles, C. E., Lee, J. and Seed, C. R. (2019), [Undetectable does not equal untransmittable for HIV and blood transfusion](#). Vox Sang. doi:10.1111/vox.12790  
Hirani, R., O'Donovan, J., Knight, E., Bell, B. and Mondy, P. (2019) [Evaluation of a tool to score donor vein suitability for blood donation](#). Vox Sanguinis. July 5th. doi: 10.1111/vox.12820

Reade, M. C., Marks, D. C., Bellomo, R., Deans, R., Faulke, D. J., Fraser, J. F., Gattas, D. J., Holley, A. D., Irving, D. O., Johnson, L., Pearse, B. L., Royse, A. G., Wong, J. and , (2019), [A randomized, controlled pilot clinical trial of cryopreserved platelets for perioperative surgical bleeding: the CLIP-I trial](#). Transfusion. doi:10.1111/trf.15423

DeLaforce, A, Moore, D., Duff, J., Munday, J. and Hardy, J. (2019), [Assessing transfusion practice in elective surgical patients: a baseline audit](#). VOXS. doi:10.1111/voxs.12496

Reade, M. C., Marks, D. C., Bellomo, R., Deans, R., Faulke, D. J., Fraser, J. F., Gattas, D. J., Holley, A. D., Irving, D. O., Johnson, L., Pearse, B. L., Royse, A. G., Wong, J. and , (2019), [A randomized, controlled pilot clinical trial of cryopreserved platelets for perioperative surgical bleeding: the CLIP-I trial](#). Transfusion. doi:10.1111/trf.15423

Hamarneh, Z. , Robinson, K. , Andrews, J. , Hunt, R. and Fraser, R. (2019), [Transfusion Strategies in Upper Gastrointestinal Bleeding Management - A Review of South Australian Hospital Practice](#). Intern Med J. Accepted Author Manuscript. doi:10.1111/imj.14440

Chai, K. L. and Cole-Sinclair, M. (2019), [Review of available evidence supporting different transfusion thresholds in different patient groups with anemia](#). Ann. N.Y. Acad. Sci.. doi:10.1111/nyas.14203

Patterson, J. A., Hirani, R. , Irving, D. O., Nicholl, M. C., Ford, J. B. and , (2019), [Comparison of group O Rh\(D\)-red blood cell use in pregnant women across hospitals of various sizes and obstetric capabilities prior to the introduction of patient blood management guidelines](#). Aust N Z J Obstet Gynaecol. doi:10.1111/ajo.13043

Hoad, V. C., Guy, R. J., Seed, C. R. and Harley, R. (2019), [Tattoos, blood-borne viruses and blood donors: a blood donor cohort and risk assessment](#). Vox Sang. doi:10.1111/vox.12832

Joanne C.G. Tan, Rachel G. Webb, Denese C. Marks, [Serum growth factor stability in different eye drop packaging systems during storage](#). Transfusion and Apheresis Science, 2019. doi.org/10.1016/j.transci.2019.06.032.

Dianne E. van der Wal, April M. Davis, Melanie Mach, Denese C. Marks. [The role of neuraminidase 1 and 2 in glycoprotein Iba-mediated integrin  \$\alpha\$ IIb \$\beta\$ 3 activation](#). Haematologica Jul 2019, haematol.2019.215830; DOI: 10.3324/haematol.2019.215830

Apologies to any member whose publication we may have missed.

Feel free to email us your articles at [anzsbt@anzsbt.com](mailto:anzsbt@anzsbt.com) for inclusion in our next newsletter and/or on our website.