



Transfusion Evidence Round-Up

World Cancer Day 4th February 2022

Welcome to the quarterly **Transfusion Evidence Round-Up**. This is a collaboration between the International Society of Blood Transfusion (ISBT) and the Transfusion Evidence Library (TEL). We aim to highlight high quality evidence randomised controlled trials and systematic reviews about an internationally relevant subject in the field of Transfusion Medicine. All references are drawn from the [Transfusion Evidence Library](#) and, where relevant, [Stem Cell Evidence](#).

This newsletter is sent to ISBT members and TEL subscribers, so if you are a subscriber to both mailing lists and receive it twice please bear with us until we can resolve this.

The Transfusion Evidence Library is produced by the [Systematic Review Initiative](#) (SRI) and funded by the four UK blood services. It is available free at the point of access providing a comprehensive and up-to-date database of high quality evidence in Transfusion Medicine.

The [International Society of Blood Transfusion \(ISBT\)](#) is a scientific society creating a community of transfusion medicine professionals from around the globe. ISBT works towards its vision of "a world of safe and sufficient blood" by undertaking advocacy for patient and donor safety, sharing knowledge to enhance transfusion practice and providing opportunities for education.

Top 10 articles - World Cancer Day

Ten articles are highlighted to bring attention to this year's **World Cancer Day**.

These articles have been identified from the [Transfusion Evidence Library](#) and selected by ISBT members: Dr. Richard R. Gammon, Dr. Nor Hafizah Ahmad, and Dr. Jean-Yves Py. For further information see [ISBT Resources](#).

Top article

[The impact of pre-operative intravenous iron on quality of life after colorectal cancer surgery: outcomes from the intravenous iron in colorectal cancer-associated anaemia \(IVICA\) trial.](#)

Keeler, B.D., et al. (2019). *Anaesthesia*

Selected articles

[Exploring the components of bleeding outcomes in transfusion trials for patients with hematologic malignancy.](#)

Balitsky, A.K., et al. (2021). *Transfusion*.

[Management of cancer-associated anemia with erythropoiesis-stimulating agents: ASCO/ASH clinical practice guideline update.](#)

Bohlius, J., et al. (2019). *Blood Advances*.

[Restrictive versus liberal red blood cell transfusion strategies for people with haematological malignancies treated with intensive chemotherapy or radiotherapy, or both, with or without haematopoietic stem cell support.](#)

Estcourt, L.J., et al. (2017). *The Cochrane Database of Systematic Reviews*.

[Development and validation of a nomogram to predict intraoperative blood transfusion for gastric cancer surgery.](#)

Huang, H., and Cao, M., (2021). *Transfusion Medicine*.

[Efficacy and safety of ferric carboxymaltose infusion in reducing anemia in patients receiving chemotherapy for nonmyeloid malignancies: A randomized, placebo-controlled study \(IRON-CLAD\).](#)

Makharadze, T., et al. (2021). *American Journal of Hematology*.

[Red blood cell transfusions and the survival in patients with cancer undergoing curative surgery: a systematic review and meta-analysis.](#)

Petrelli, F., et al. (2021). *Surgery Today*.

[Liberal Versus Restrictive Red Blood Cell Transfusion Thresholds in Hematopoietic Cell Transplantation: A Randomized, Open Label, Phase III, Noninferiority Trial.](#)

Tay, J., et al. (2020). *Journal of Clinical Oncology*

[Preoperative tranexamic acid does not reduce transfusion rates in major oncologic surgery:](#)

[Results of a randomized, double-blind, and placebo-controlled trial.](#)

Wright, G.P., et al. (2020). *Journal of Surgical Oncology*.

[Restrictive versus liberal transfusion strategies in patients with malignant neoplasm -a meta-analysis of randomized controlled trials.](#)

Yang, X.X., et al. (2020). *Transfusion and Apheresis Science*.

Editorial Board, Transfusion Evidence Round-Up, February 2022

Dr. Richard R. Gammon

Dr. Gammon holds Board Certifications in Blood Banking and Transfusion Medicine as well as Clinical Pathology, and is a Medical Director for OneBlood and Transfusion Medicine Specialists in Orlando, Florida, USA. Dr. Gammon is an Assistant Professor of Pathology for the University Of Central Florida College as well as an Assistant Professor Collaborative Faculty with Department of Pathology and Cell Biology, University of South Florida. He is also chair of the AABB's Blood Banks and Transfusion Service Standards Program Unit and chair of the Transfusion Safety/Patient Blood Management Subsection. Dr. Gammon is also a member of the ISBT CCP Work Group.

Dr. Nor Hafizah Ahmad

Dr. Nor Hafizah Ahmad is a Transfusion Medicine Specialist who is currently the Head of Clinical Transfusion Division in National Blood Centre, Kuala Lumpur, Malaysia heading both Immunohematology and Clinical Transfusion Laboratory. She has completed her subspecialty training in Patient Blood Management/Clinical Transfusion and Immunohematology and has been regularly involved in conducting training around the country for many years in both areas. She has been appointed as the chairperson for National Rare Donor Program since 2014 and is actively involved in the implementation of Patient Blood Management and Massive Transfusion Protocol in her place. Apart from that she had also been invited as speaker in various conferences at local and national level.

Dr. Jean-Yves Py

Dr. Jean-Yves Py is Medical Director of a French regional blood transfusion center. He has more than 40 years experience in French blood transfusion organizations. He is Secretary-General of the French Society of Blood Transfusion, and is also a member of the ISBT working party on Donors and Donation.



Dr. Richard R Gammon



Dr. Nor Hafizah Ahmad



Dr. Jean-Yves Py



The **International Society of Blood Transfusion** is a scientific society that was founded in 1935. Since that time the ISBT has grown into an international society where transfusion medicine professionals from across the globe come together and do the one thing they do best: share knowledge to improve the safety of blood transfusion worldwide. We believe that with the power of knowledge we can improve the safety of blood transfusion worldwide. Professionals from over 100 countries already share their knowledge with this international transfusion medicine community by being a member of ISBT. @ISBT



transfusion field. @sritransfusion

The **Systematic Research Initiative** is a clinical research group established in 2001 by NHS Blood and Transplant (NHSBT) and funded by the UK Blood Services. The primary objective of the SRI is to "develop the evidence base for the practice of transfusion medicine", by undertaking systematic reviews and other evidence-based medicine research projects in the



The **Transfusion Evidence Library** is a database of systematic reviews and randomised controlled trials relevant to transfusion medicine. It is fully searchable, updated monthly and aims to be a key resource for medical practitioners, policy makers and researchers both in the UK and around the world. A monthly email: The Transfusion Evidence Alert with the latest top 10 records is sent to subscribers. The library is produced by the Systematic Review Initiative and funded by the UK Blood Services. @transfusionlib



Stem Cell Evidence is a comprehensive collection of high quality research relevant to haematopoietic stem cell transplantation, updated monthly. The most important articles in the field are highlighted in the Stem Cell Evidence Alert which is a newsletter emailed to subscribers. Stem Cell Evidence aims to be a key resource worldwide for medical practitioners, clinical researchers and policy makers. It is also intended to be of value to those planning new clinical trials in the field. It is produced by the Systematic Review Initiative and funded by the UK Blood Services and Oxford Biomedical Research Centre. @evidencestemc

The UK Blood Services:



Northern Ireland Blood Transfusion Service



Welsh Blood Service
Gwasanaeth Gwaed Cymru