

**SABM 2019 Annual Meeting**  
**Poster Abstract Session**  
Friday, September 20, 2019  
4:30-6:00 pm



**Location:** Baltimore A

**Abstract Categories:**

- Clinical Research – Blood Conservation/ Modalities/ Devices/ Techniques
- Clinical Research – Coagulation Issues/ Management

**Moderators:**

Jonathan Waters, MD  
Neil Blumberg, MD

**Order Title**

1. Clinical Decision Support with Best Practice Advisories Promotes High-value Transfusion Practice
2. Blood Conservation Following Cardiopulmonary bypass-supported Cardiac Surgery
3. A Novel Approach to Reduce Blood Cell Unit Exposures to Pediatric Patients Undergoing Heart Surgery with Cardiopulmonary Bypass in an Effort to Minimize Risk of Transfusion-related Morbidity and Allosensitization
4. Physician blood order score cards combined with a best practice alert reduces unnecessary red blood cell transfusions.
5. Using the Validated Intraoperative Bleeding Scale (VIBE SCALE) for Appropriate Hemostatic Agent Selection
6. Measurement of Whole Blood Unit Hemostats Properties over Storage Duration
7. Thrombin Generation and Antithrombin Activity in Infants Undergoing Cardiopulmonary Bypass
8. Personalized and Regeneration Medicine Require a "Coagulum-omics" Model
9. Use of the Quantra® QPlus® System to Predict Fibrinogen and Platelet Transfusion Thresholds in Surgical Patients
10. Effect of Routine POC Viscoelastic Testing Using TEG® 6s on Blood Transfusion Patterns in Coronary Artery Bypass Surgery. A Single Center Experience

**Primary Presenting Author**

[Mr. Tymoteusz Kajstura](#)  
Johns Hopkins School of Medicine

[Dr. Erick McNair](#)  
College of Medicine, University of Saskatchewan

[Mr. Blake Denison](#)  
University of Texas, Dell Medical School

[Dr. Bryon Jackson](#)  
University of Maryland School of Medicine

[Dr. Eve Levin, DVM](#)  
Baxter Healthcare Corporation, Deerfield, IL

[Ms. Christine Cahill](#)  
University of Rochester

[Dr. Elena Ashikhmina](#)  
Mayo Clinic

[Mr. James Henry](#)  
MSc (Upper Merit) Molecular Pathology,  
MSc (Distinct) Blood Management  
Quality Systems [Atlantis B.M.S Limited]

[Dr. Deborah Winegar](#)  
HemoSonics, LLC

[Dr. Abimbola Faloye](#)  
Emory University School of Medicine.  
Grady Memorial Hospital

**SABM 2019 Annual Meeting**  
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**Location:** Baltimore B

**Abstract Categories:**

- Quality and Safety – Patient Blood Management Outcomes
- Quality and Safety – Patient Experience/Patient-Centered Care

**Moderators:**

Stacey Valentine, MD, MPH  
Heather Mingo, NP, PhD(c)

**Order Title**

1. Patient Blood Management in Children: Implementation Challenges of Restrictive Transfusion Guidelines
2. Reduced Blood Product Utilization via Implementation of an Anemia Clinic and Consult Service in a Large Health System Hospital
3. Bloodless Medicine and Surgery Following PBM Principles, an Internal Medicine Department's Experience of a Tertiary Care Private Hospital in Greece
4. Patient Blood Management: Changing a Culture with Transfusion Therapy at the Right Time for the Right Indication
5. Anemia Clinic Treatment of Antepartum Patients with the Use of Iron Infusions
6. Bloodless obstetric surgery in University of Calabar Teaching Hospital
7. Standardization of Blood Consent or Refusal Across Multisystem Organization
8. Avoiding anaphylactic reactions when using absorbable hemostatic agents and surgical sealants to prevent intraoperative bleeding during surgery for improved patient safety
9. Transfusion Guideline Compliance Varies Among Provider Types and Between Medical and Surgical Services

**Primary Presenting Author**

[Dr. Anastasia Grivoyannis](#)  
Johns Hopkins School of Medicine

[Mr. Reid Bowers](#)  
Advocate Aurora Health, Aurora Cancer Care

[Dr. Panagiotis Doukas](#)  
Athens Medical Center

[Dr. Robert Karpinos](#)  
St. Barnabas Health System

[Ms. Cassandra UpChurch, RN, BSN](#)  
Department of Hematology -- Oncology  
Pennsylvania Hospital, Penn Medicine

[Dr. Nathaniel Usoro](#)  
University of Calabar Teaching Hospital

[Mrs. Rita King](#)  
BayCare Health System

[Ms. Terri Siebert](#)  
Baxter Healthcare Corporation

[Mr. Tymoteusz Kajstura](#)  
Johns Hopkins School of Medicine

**SABM 2019 Annual Meeting**  
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**Location:** Maryland A

**Abstract Categories:**

- Clinical Research – Anemia Detection/ Treatment/ Management
- Quality and Safety – Morbidity and Mortality

**Moderators:**

Prof Steven M Frank, MD  
Carolyn Clancy, MSN, CNS, APRN

**Order Title**

1. The Effect of Red Blood Cell Transfusion on Fatigability in Hospitalized Patients with Anemia
2. Pre-operative Anemia Management Program Reduces Blood Transfusion Resulting in Shorter Length of Stay
3. Reducing Length of Stay and Red Blood Cell Transfusion by Implementing an Anesthesia Anemia Management Clinic
4. Preoperative hemoglobin is an independent risk factor for early postoperative delirium in older adults undergoing elective orthopedic surgery
5. Iatrogenic Anaemia in the Surgical Cancer Patient
6. Annual Intravenous Iron Infusions at a Tertiary Cancer Hospital
7. Patient Blood Management in Complex Spine Surgery Transfusion Requirements and Clinical Outcomes
8. Transfusion in Acute Coronary Syndrome: A retrospective case-control series
9. Correcting Spinal Hypotension During Caesarean Section in a Resource Challenged Setting

**Primary Presenting Author**

[Dr. Micah Prochaska](#)  
University of Chicago

[Dr. Majed Refaai](#)  
University of Rochester

[Dr. Anil Panigrahi](#)  
Stanford University

[Dr. Rasheed Alhadi](#)  
University of California, San Francisco

[Dr. Matthew Evans / Ms. Ethel Black](#)  
The Royal Marsden NHS Foundation Trust

[Dr. Matthew Evans / Ms. Ethel Black](#)  
The Royal Marsden NHS Foundation Trust

[Mr. Kevin Merkel](#)  
Johns Hopkins School of Medicine

[Dr. Joshua A. Rosenthal, MD](#)  
Department of Internal Medicine, New York University Langone Medical Center

[Dr. Queeneth Kalu](#)  
University of Calabar/University of Calabar Teaching Hospital

**SABM 2019 Annual Meeting**  
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**Location:** Maryland B

**Abstract Categories:**

- Case Series/ Reports
- Additional

**Moderators:**

Bradford Ray, RABT  
Gagan Mathur, MD

**Order Title**

1. Acute Management of Patients Undergoing Emergent Cardiac Surgery After Ticagrelor Loading
2. Cardiac surgery in Jehovah's Witness patients: benefits for all patients from a 22-year experience in open-heart surgery when blood is not an option
3. Treatment of an anemic Jehovah's Witness patient undergoing chemotherapy for lymphoma with high dose intravenous iron without ESA use
4. Rotational Thromboelastometry Parameters in Hyperthermic Chemotherapy
5. Blood myths and cultural-religious background as possible causes of impediments in patient blood management education
6. Data, Metrics, and Education Significantly Reduced Blood Product Usage and Costs
7. Defining Optimal Nursing Roles in a Patient Blood Management (PBM) Department
8. Algorithm to Interactively Predict National Blood Supply and Demand

**Primary Presenting Author**

[Dr. Reney Henderson](#)  
University of Maryland Medical Center

[Dr. Samuel Mancuso](#)  
Maria Pia Hospital of Turin - GVM  
Care & Research

[Ms. Ann-Marie Gordon, PA-C, MLS \(ASCP\)](#)  
University of Texas Southwestern,  
Dallas, Texas; Department of  
Pathology; Anesthesiology and Pain  
Management

[Mr. Bradford Ray](#)  
University Medical Center El Paso

[Dr. Luiza Akria](#)  
Azrieli Faculty of Medicine and Galilee  
Medical Center

[Dr. Kirby Sweitzer](#)  
Mercy Medical Center

[Ms. Mary Ann O'Brien](#)  
Geisinger

[Prof Axel Hofmann, ME](#)  
Institute of Anesthesiology, University  
Hospital Zurich, Switzerland; Medical  
School and Division of Surgery, The  
University of Western Australia;  
School of Health Sciences and  
Graduate Studies, Curtin University,  
Perth, Australia

## Presenting Author Biographies

### **Mr. Tymoteusz "Tym" Kajstura**

Tymoteusz "Tym" Kajstura is a Johns Hopkins School of Medicine MD/PhD student. He completed his doctorate thesis on the regeneration of serotonin axons in adult mouse cortex following traumatic brain injury in the lab of Dr. David Linden. He currently works on the patient blood management research with Dr. Steve Frank.

### **Dr. Erick McNair**

I am a faculty member of the Department of Pathology and Laboratory Medicine and a Clinical Perfusionist in the Department of Surgery, Division of Cardiac Surgery. My background is in cardiac pathology and clinical perfusion. I am involved research and teaching of undergraduate, graduate, and medical students. My areas of translational research interests are: peri-operative blood conservation associated with cardiac surgery; identification of biomarkers of organ injury following neuroendovascular interventions and cardiopulmonary bypass-supported cardiac surgery.

### **Mr. Blake Denison**

Blake is a pediatric perfusionist at the University of Texas at Austin and works at the Texas Center for Congenital Heart Disease at Dell Children's Hospital. Blake is passionate about outcomes and furthering his field through process improvement.

### **Dr. Bryon Jackson**

Dr. Jackson is an Assistant Professor of Pathology and Laboratory Medicine at the University of Maryland School of Medicine. He serves as the Director of Patient Blood Management and Associate Director of Transfusion Services.

### **Dr. Eve Levin, DVM**

Dr. Eve Levin is a Research Scientist at Baxter Healthcare Corporation where she investigates the safety and efficacy of medical devices which save and sustain lives. She maintains a focus on intraoperative devices, including hemostatic agents and surgical sealants. She received her Bachelor of Science in Biology and Doctor of Veterinary Medicine degrees at the University of Illinois at Urbana-Champaign. She joined Baxter after working in veterinary clinical practice for 25 years where she specialized in preventive care, medical diagnoses and treatment, surgery and critical care support.

### **Ms. Christine Cahill**

Christine is the Coordinator of the Patient Blood Management program at University of Rochester Medical Center. She has earned her Master's degree in Medical Management from the William H. Simon School of Business Administration and her Bachelor's degree in Nursing from the State University of New York at Brockport. She is a certified Lean Practitioner and in the fundamentals of Patient Blood Management. Her clinical background is in critical care of pediatric patients with congenital heart defects. In her current position Christine has used her expertise to educate staff on best practices related to proper utilization of blood products.

### **Dr. Elena Ashikhmina**

Elena Ashikhmina MD, PhD is an assistant professor of anesthesiology and a consultant in the Department of Anesthesiology at the Mayo Clinic. She completed her medical education in Russia and came to the USA in 2007 as Fulbright scholar for a research fellowship at the Mayo Clinic. She repeated her post graduate medical training in the US and completed a residency in anesthesiology and subsequent 2 fellowships in adult cardiothoracic anesthesiology and pediatric cardiac anesthesiology in Brigham and Women's Hospital and Boston Children's Hospital, Harvard Medical School. Her current main research interest is perioperative hemostasis in pediatric cardiac patients.

**Mr. James Henry**

(2017) A Viscoelastic Quality Management Program. NEQAS – Poster Presentation. U.K conference on haemostasis and thrombosis, 2017 (2014) Change control and validation standard operating procedure that transverses pathology QMS to hospital divisions. SURREY, U.K  
2009) International Standard of HCG: Mass Spectral Analysis. World HCG Conference – Poster Presentation (2009) The structure and replication of DNA, and transcription of RNA (journal-based questions - UK professional development). British Journal of BMS Science Publish as, Vol. 65, No. 3 (2008) The structure and replication of DNA, and transcription of RNA. BMS Gazette Publish- Vol. 52 (7): 585-9 – Genome mechanics.

**Dr. Deborah Winegar**

Deborah Winegar serves as Vice-President of Clinical Affairs at HemoSonics LLC where she is responsible for leading the clinical strategy for the company. She has more than 20 years of experience managing clinical and discovery research efforts at a variety of healthcare, medical device and pharmaceutical organizations.

**Dr. Bola Faloye**

Dr. Bola Faloye is an Assistant Professor at Emory University School of Medicine, Atlanta, GA, and the Division Director of Cardiothoracic Anesthesiology at Grady Memorial Hospital. Her areas of research interest lies in the field of peri-operative blood conservation management and techniques.

**Dr. Anastasia Grivoyannis**

Dr. Anastasia Grivoyannis is a graduate of Weill Cornell Medical College, received training in Emergency Medicine at the University of Washington, and completed her residency in Anesthesiology at the New York Presbyterian Hospital. She completed fellowship training in Pediatric Anesthesia at the Children's Hospital of Philadelphia. Dr. Grivoyannis started her career as a field worker for Médecins Sans Frontières (MSF) / Doctors Without Borders. Dr. Grivoyannis currently practices Pediatric Anesthesiology at the Johns Hopkins Hospital in Baltimore, MD.

**Mr. Reid Bowers**

Mr. Bowers holds a Master of Physician Assistants Studies from the University of Iowa. He has been practicing for over 12 years most of which has been at St. Luke's Medical Center in Milwaukee, Wisconsin. Mr. Bowers has held appointments in cardiac and vascular medicine and surgery. He is currently the principal provider for the anemia clinic program, a service of Aurora Cancer Care that provides assessment and treatment for anemic patients without known cancer with an emphasis on preoperative patients. His other professional interests include PA practice law and regulation.

**Dr. Panagiotis Doukas**

Director of Internal Medicine Department, Athens Medical Center, Maroussi Athens Greece. MD, PhD. Trained on bloodless medicine and surgery at Englewood Hospital and Medical Center, New Jersey, USA.

**Dr. Robert Karpinos**

Robert Karpinos MD has been the Chairman of Department of Anesthesiology at St. Barnabas Health System since 2012. Soon after his arrival, he spearheaded a patient blood management (PBM) project, using an organized, evidence-based multidisciplinary approach to transforming blood transfusion practices system-wide. Dr. Karpinos has been successfully leading the institution to consistently improve the culture of RBC transfusion practices and to translate to more optimal patient care and resource utilization as well as pronounced cost-savings, since the initiation of this project. Dr. Karpinos was therefore promoted to Vice President / Medical director of Perioperative Services in 2018.

**Ms. Cassandra UpChurch, RN, BSN**

Manager & Nurse Navigator at Pennsylvania Hospital, Center for Transfusion- Free Medicine. Has been an RN for 12 years, with a background in critical care, management, education, managed care, home care/ hospice care.

**Dr. Nathaniel Usoro**

Nathaniel Usoro is a general surgeon, head of the Bloodless Surgery Programme, and founding chairman of the Bloodless Medicine & Surgery Group in University of Calabar Teaching Hospital. He is a senior lecturer in surgery in University of Calabar. Dr. Usoro is the founding president of the Bloodless Medicine & Surgery Society, a multidisciplinary scientific society of experts in blood transfusion avoidance. He is also a member of SABM and a recipient of Kathleen J Sazama Award of the Society.

**Mrs. Rita King**

Transfusion Safety Officer since 2011 overseeing several hospitals' patient blood management (PBM) program. Responsibilities include PBM program development, standardization and monitoring of blood utilization, safe administration of blood products and transfusion documentation. Provides PBM educational presentations to nurses and other disciplines. Co-chair of the blood management committee system-wide. Works closely with multidisciplinary team on various projects that enhance PBM. Active member of the SABM nursing education work group. RN since 1976, BS in HealthCare Administration 1998, MSN 2000.

**Ms. Terri Siebert**

I have been a registered nurse for over 35 years. Currently, I am a Medical Science Liaison and Educator with Baxter Healthcare Corporation.

**Dr. Micah Prochaska**

Dr. Prochaska is an Assistant Professor of Medicine in the Department of Medicine at the University of Chicago. He is supported by a grant from the National Heart, Lung, and Blood Institute (NHLBI) to study how red blood cell transfusion for hospitalized patients with anemia affects their fatigue, activity, and fatigability levels after they have been discharged from the hospital. Dr. Prochaska is also the Associate Director of the University of Chicago Hospitalist Project research infrastructure, the University of Chicago Translational Medicine Program (CTMP), and the Cultivating Health & Aging Researchers by Integrating Science, Medicine, & Aging (CHARISMA) Program.

**Dr. Majed Refaai**

Dr. Refaai is an Associate Professor of Pathology and Laboratory Medicine at the University of Rochester Medical Center in Rochester, New York. He is also the director of thrombosis and hemostasis lab, director of patient blood management program, the associate director of the Transfusion Medicine/Blood Bank. He received his medical degree from the Aleppo University School of Medicine, completed a residency in clinical pathology at the Washington University School of Medicine and a fellowship in transfusion medicine at the University of Texas Southwestern. Dr. Refaai is a board certified in clinical pathology.

**Dr. Anil Panigrahi**

Anil Panigrahi completed combined MD/PhD training at the University of Pennsylvania School of Medicine and then went on to complete residency training in Anesthesiology at Stanford University School of Medicine. He then undertook fellowship training in Transfusion Medicine also at Stanford and stayed on as a Clinical Assistant Professor in the Departments of Anesthesiology and Pathology. Board-certified in Anesthesiology and Transfusion Medicine, Dr. Panigrahi is interested in all aspects of Patient Blood Management and currently has focused his efforts on preoperative anemia optimization of surgical patients.

**Mr. Rasheed Alhadi**

Rasheed Alhadi is a fourth-year medical student at the University of California, San Francisco School of Medicine. He was born and raised in the Central Coast of California to Indonesian-Yemeni parents. He received his Bachelor's degree in Biomedical Engineering from Duke University in 2015. His background as a first-generation college student inspired him to serve as an assistant teacher in the AmeriCorps City Year program for underserved high school students in east San Jose from 2015-2016. Throughout medical school, Rasheed continues to mentor and teach high school and medical students while pursuing academic research.

**Dr. Matthew Evans**

Matthew Evans BSc (Hons), FRCA is a specialty trainee in anaesthesia in south east of the United Kingdom, who has had experience with complex major oncological surgery at several regional centres including The Royal Marsden Hospital. He has an interest in patient blood management strategies and the use of intravenous iron in the cancer population.

**Mr. Kevin Merkel**

Kevin Merkel graduated from Vanderbilt University in 2019 with a degree in Medicine, Health and Society as well as a minor in Neuroscience. He is the newest member of the Patient Blood Management team at Johns Hopkins as a data analyst and clinical research assistant to Dr. Steve Frank.

**Dr. Joshua A. Rosenthal, MD**

Joshua Rosenthal earned his Bachelor's Degree from Oberlin College, where he majored in Mathematics. He then attended and graduated from Columbia University's College of Physicians and Surgeons with a Medical Degree. He is currently in residency in Internal Medicine at the New York University School of Medicine, and will be applying for subspecialty training in Nephrology in the upcoming cycle.

**Dr. Queeneth Kalu**

Dr. Queeneth Kalu nee Oqua Basseyy is a Consultant Anaesthesiologist at the University of Calabar Teaching Hospital. She is an Associate Professor of Anaesthesiology in the University of Calabar and holds the Fellowship of the West African College of Surgeons (FWACS) as well as post Fellowship Diploma in Anaesthesia (DA) from Israel (WFSA). She has special interest in Cardiopulmonary resuscitation and Public Health as it relates to Anaesthesia Quality and Safety. A past Director Clinical Services and Training in her Hospital. She is a mother of two, industrious, creative, hardworking, a great motivator, intelligent and a good team player.

**Dr. Reney Henderson**

Dr. Henderson is an Assistant Professor in the department of cardiothoracic anesthesiology at the University of Maryland Medical Center. He did his anesthesiology residency and cardiothoracic fellowship at the University of Maryland. He has worked on publications pertaining to coagulation management such as the use of fibrinogen concentrate and the risks of increased protamine dosing due to heparin dosing calculation. His most current work has been with the improvement of blood conservation in cardiac surgical patients with intraoperative autologous blood donation. Dr. Henderson is also interested viscoelastic thromboelastometry and the use of alternative blood products such as hemoglobin-based oxygen carriers.

**Dr. Samuel Mancuso**

He specialized as cardiac surgeon in 2017 at University of Turin (Italy). He spent the final months of his residency writing a thesis about bloodless cardiac surgery in Houston in a period of observership with a fellow of Denton Cooley at DeBakey Heart and Vascular Center (dr.Scheinin). Meanwhile he compared the bloodless experience made in Maria Pia Hospital of Turin with other well-established bloodless centers around the world such as John Hopkins in Baltimore (prof. Frank). He attended a training program with prof. Hofmann in PBM (Austria, 2018). He is the first Italian MD obtaining SABM PBM Certificate (2018).

**Ms. Ann-Marie Gordon, PA-C, MLS (ASCP)**

Ann Gordon, M.P.A.S., PA-C, is a board-certified physician assistant (PA) at UT Southwestern Medical Center. She has worked in the Apheresis Department at UT Southwestern as the Patient Blood Management (PBM) Coordinator since January 2017, where she is an advocate for blood conservation and oversees life-enhancing, cutting edge therapies for patients with autoimmune disorders.

**Mr. Bradford Ray**

Mr. Bradford Ray is the director of patient blood management and research at University Medical Center El Paso. He is also a founding member of SABM. Mr. Ray also directs the transfusion free surgery program.

**Dr. Luiza Akria**

Dr. Luiza Akria is a senior hematologist (Galilee Medical Center[GMC], affiliated to Azrieli Faculty of Medicine, Bar-Ilan University, Israel). Dr. L. Akria is the director of Blood Bank (GMC) and one of coordinators of GMC Patient Blood Management program.



**Dr. Kirby Sweitzer**

Kirby Sweitzer, M.D., F.A.C.S. is a Colon and Rectal Surgeon at Mercy Medical Center in Canton, Ohio, where he serves as the Medical Director for the Patient Blood Management Program. He is a graduate of the Medical College of Ohio, and he completed his Surgical Residency at Henry Ford Hospital in Detroit, Michigan, where he also completed his Colon and Rectal Training. He also serves as the Medical Director of Trauma Services at Mercy and is an Associate Clinical Professor of Surgery at NEOMED. He holds Board Certification in both General Surgery and Colo-Rectal Surgery.

**Ms. Mary Ann O'Brien**

Mary Ann O'Brien RN, MSN, CCRN, CNE. Operations Manager, Patient Blood Management. Geisinger. Danville, Pennsylvania. SABM member.

**Prof Axel Hofmann, ME**

Axel Hofmann is a Doctor of Medical Science and holds a Master's Degree in Economics. He is a Visiting Professor at the Institute of Anesthesiology at the University Hospital Zurich, Switzerland, an Adjunct Associate Professor at the Medical School and Division of Surgery, The University of Western Australia and an Adjunct Professor at the School of Health Sciences and Graduate Studies, Curtin University Western Australia. With his background in health economics and outcomes research, he is specialized in the field of Patient Blood Management (PBM) and has published in numerous international peer-reviewed journals.