March 14-15, 2012

Plasma Transfusion:
Current Status and Future Directions

The Bernard Fantus, MD
Symposium

*Honoring the 75th anniversary of the establishment of the first U.S. hospital blood bank at Cook County Hospital*

Dinner, March 14, 2012:
John H. Stroger, Jr. Hospital of Cook County Cafeteria
1901 West Harrison St.
Chicago, IL 60612

Symposium, March 15, 2012:
Oak Brook Hills Marriott
3500 Midwest Road,
Oak Brook, IL 60523

Sponsored by:
The John H. Stroger, Jr. Hospital of Cook County & the Illinois Association of Blood Banks
Dr. Bernard Fantus

Dr. Bernard Fantus was born in Budapest on September 1, 1874. He attended the Real-Gymnasium in Vienna prior to immigrating to the United States. He received his Doctor of Medicine degree from the University of Illinois at Chicago College of Medicine in 1899. He was appointed a professor of Pharmacology and Therapeutics at the University of Illinois at Chicago from 1903 to 1924. From 1924 to 1932 he was an Associate Professor of Medicine at Rush Medical College. Stimulated by the reports of Russian physicians, he became interested in investigating the possibility of preserving blood from live donors. On March 15, 1937, he established the “Blood Preservation Laboratory” on the third floor of the main hospital building. He coined the idea and the phrase “blood bank” because it signified the saving of blood in a “bank” from which “withdrawals” could be made. This laboratory became an asset in the treatment of surgical and medical emergencies at Cook County hospital; in 1936 there were 649 blood transfusions; after establishment of the Blood Bank there were 1354 transfusions the following year. The phrase “Blood Bank” entered popular and medical usage after World War II.

References
Telischi M. Evolution of Cook County Hospital Blood Bank. Transfusion 1974;14(6);623-628.

John H. Stroger Hospital of Cook County
The Cook County Health & Hospitals System (CCHHS) oversees a comprehensive, integrated system of healthcare throughout Chicago and suburban Cook County through its hospitals, ambulatory and community health network clinics, public health department, correctional healthcare facility, and outpatient infectious disease center. The CCHHS (formerly known as the Cook County Bureau of Health Services) is comprised of: John H. Stroger Jr. Hospital (named for the first African-American president of the Cook County, Illinois Board of Commissioners), Provident Hospital, Oak Forest Hospital, Cook County Department of Public Health, Cermak Health Services, the Ruth Rothstein CORE Center and the 16 Ambulatory and Community Health Network (ACHN) clinics. CCHHS services are available to the more than five million residents of Cook County, regardless of their economic status or ability to pay. More than 500,000 patients receive care each year from the CCHHS. The CCHHS hospitals are recognized as leading teaching centers. They are home to a wide array of residency and fellowship programs. The physicians at CCHHS hospitals have been pioneers in the use of important medical and surgical techniques, with noted advances in the treatment of trauma and burn victims.

Rationale for Symposium
In the past 25 years, there has not been a national scientific conference in the US dedicated to reviewing science behind the clinical use of plasma. The National Institute of Health conducted a consensus symposium in 1984 regarding indications and risks of fresh frozen plasma because at that time it was felt that the use of plasma was increasing without solid scientific justification or recognition of the risks of such therapy. Unfortunately, the same is true today.

There is a need to have all the relevant clinical information about plasma transfusion concisely synthesized and then published in a single collective document so that it can be readily identified and accessed. To accomplish this, we plan to hold this symposium. Additionally, we plan to publish the conference proceedings as a supplement in the journal TRANSFUSION.
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Generously Supported Through Educational Grants from:
Abbott Laboratories  Heartland Blood Centers
American Red Cross Blood Services  LifeSource / Institute for Transfusion Medicine
Baxter International, Inc  Mississippi Valley Blood Center
Blood Centers of America, Inc  Roche Diagnostics Corporation
Blood Systems, Inc.  Rock River Valley Blood Center
Fenwal, Inc.

Program Objectives
Upon completion of this activity, participants should be able to:
1) Describe the properties of plasma components and current clinical utilization of plasma transfusions in therapeutic apheresis, reversal of drug-induced coagulopathy, treatment of severe hemorrhage and in invasive procedures
2) Discuss point-of-care testing issues which impact plasma transfusion
3) Cite adverse effects which can occur as a result of plasma transfusion
4) Employ knowledge gained regarding plasma transfusions to improve patient care

Target Audience
This activity has been designed to meet the educational needs of physicians, trainees, nurses, and laboratory technical staff involved in transfusion medicine.

Level of Instruction
Intermediate

Accreditation Statements
This activity has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical Education through the joint sponsorship of the American Red Cross Blood Services (ARCBS) and the Illinois Association of Blood Banks. ARCBS is accredited by the ACCME to provide continuing medical education for physicians.
The Illinois Association of Blood Banks has applied for approval as a provider of continuing education programs in the clinical laboratory sciences by the ASCLS P.A.C.E. ® Program.

Designation Statements
The American Red Cross Blood Services designates this educational activity for a maximum of 7.0 AMA PRA Category 1 Credit(s)™. Physicians should only claim credit commensurate with the extent of their participation in the activity.
This activity is approved for 7.0 contact hours of continuing education credit through the ASCLS P.A.C.E. ® Program.

Disclosure Statement
All faculty participating in continuing medical education programs sponsored by ARCBS are expected to disclose to the program audience whether they do or do not have any real or apparent conflict(s) of interest or other relationships related to the content of their presentation(s).
Sympoium Schedule

Wednesday, March 14, 2012
John H. Stroger, Jr. Hospital of Cook County
1901 West Harrison St.
Chicago, IL 60612

5:30PM Registration
6:00PM-8:00PM Dinner & Presentation

“Problem Seen, Problem Solved;
Bernard Fantus and Blood, John Elliott and Plasma”
Paul Schmidt, MD
(Continuing education credit not offered for this activity)

Thursday, March 15, 2012
Oak Brook Hills Marriott
3500 Midwest Road,
Oak Brook, IL 60523

8:00AM-8:10AM Introduction
Ram Kakaiya, MD

8:10AM-8:20AM TRANSFUSION: Editor’s perspective
Paul M. Ness, MD

8:20AM-8:30AM NHLBI research initiatives in transfusion medicine
Simone A. Glynn, MD

8:30AM-8:40AM AABB contributions to plasma transfusion safety
Darrell Triulzi, MD

8:40AM-9:30AM Plasma components: Properties, Differences, and uses
Richard J. Benjamin, MBChB, PhD

9:30AM-10:20AM Plasma transfusion for bedside and operating room invasive procedures
Simon J. Stanworth, MD

10:20AM-10:40AM Break

10:40AM-11:30AM Plasma transfusion for patients with severe hemorrhage: What is the evidence?
Jeannie L. Callum, MD
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11:30AM-12:20PM  Plasma and plasma derivatives in therapeutic plasmapheresis
                  Bruce C. McLeod, MD

12:20PM-2:00PM   Lunch

2:00PM-2:50PM    Plasma transfusion for reversal of drug-induced coagulopathy
                  Walter Dzik, MD

2:50PM-3:10PM    Break

3:10PM-4:00PM    Use of point-of-care testing for plasma therapy
                  Lawrence T. Goodnough, MD

4:00PM-4:50PM    Pathogenesis, diagnosis, and management of adverse effects of plasma
                  Girish Vyas, MD, PhD

4:50PM-5:15PM    Roundtable

5:15PM           Adjourn
Symposium Speakers

Richard J. Benjamin, MBChB, PhD — American Red Cross, Chief Medical Officer
Dr. Benjamin is chief Medical Officer of the American Red Cross in Washington, DC where he oversees donor and patient safety issues related to blood collection and transfusion. He is an Adjunct Associate Professor of Pathology at Georgetown University, Washington, DC and the author of more than 90 peer reviewed publications. He joined the American Red Cross in 2002 from the Joint Program in Transfusion Medicine at Harvard University where he received Transfusion Medicine and Pathology training before joining the faculty and managing an active Transfusion Service. Dr. Benjamin continues to conduct clinical research in Transfusion Medicine, building on his research experience as a Cambridge Livingstone Scholar in Immunology at Cambridge University, England, post-doctoral research as a Lucille P. Markey Fellow at Stanford University, CA and undergraduate and medical training in Cape Town, South Africa.

Dr. Benjamin has disclosed the following relationships with commercial entities: None

Jean L. Callum, MD — Sunnybrook Health Science Centre, Director Transfusion Medicine & Tissue Banks
Dr. Callum graduated from Queen’s University with a Bachelor of Arts in Biology, and received her Doctor of Medicine from the University of Toronto. She completed a residency in Internal Medicine and a fellowship in Hematology at the University of Toronto. Dr Callum then went on to complete a fellowship in Transfusion Medicine with Canadian Blood Services. Dr Callum is currently the Director of Transfusion Medicine and Tissue Banks, Sunnybrook Health Sciences Centre, and is an Associate Professor in the Department of Laboratory Medicine and Pathobiology at the University of Toronto.

Dr. Callum has disclosed the following relationships with commercial entities: None

Walter Dzik, MD — Massachusetts General Hospital, Co-Director, Blood Transfusion Service
Walter ‘Sunny’ Dzik is Co-Director of the Blood Transfusion Service at Massachusetts General Hospital and an Associate Professor at Harvard Medical School.
Sunny graduated summa cum laude from Princeton University where he studied French poetry. He graduated with honors from the University of Pennsylvania School of Medicine and trained in Internal Medicine and Hematology at Boston University. Following a fellowship in Transfusion Medicine at the National Institutes of Health.
Sunny has over 25 years experience in Transfusion Medicine and Hemostasis as both a laboratory director and a clinical consultant. He provided an early description of the fibrinolytic basis for major hemorrhage during liver transplantation and has published widely in the area of leukoreduced blood components. He serves as an Associate Editor of Transfusion and Transfusion Medicine Reviews and a previous Editor of Rossi’s Principles of Transfusion Medicine. He is past-Chairman of the NIH National Clinical Trials network in Transfusion Medicine and Hemostasis. His current research interests include the use of radio-frequency smart tag technology to improve patient safety and the vascular biology of erythrocyte cytoadherence in severe malaria syndromes. He supports hematology at the Mulago Hospital in Uganda.
Sunny has been honored to receive several prestigious awards including the Emily Cooley award and Tibor Greenwald awards of the AABB; the Daniel D Federman “Outstanding Clinical Educator” award by Harvard Medical School; the Charles C Lund award of the American Red Cross; the Claes Hogman award of the Swedish Transfusion Society, and the James Blundell Award of the British Blood Transfusion Society.

Dr. Dzik has disclosed the following relationships with commercial entities: None
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Simone A. Glynn, MD — National Institutes of Health, Branch Chief, Transfusion Medicine and Cellular Therapeutics Branch, Division of Blood Diseases and Resources, National Heart, Lung and Blood Institute

Dr. Glynn graduated from Barnard College with a BA in Biology, after which she received her M.D.C.M. from McGill University and an MPH from George Washington University. She served as a scientific reviewer, IRB board member, Director of the Analysis Unit for the REDS I and II and REDS II International studies, and was Co-principal Investigator of the coordinating center for the REDS I and II studies while at Westat in Rockville, MD. During this time she also was the senior medical epidemiologist for the Plasma Protein Therapeutics Association TTVI-risk assessment project. She currently serves as Branch Chief, Transfusion Medicine and Cellular Therapeutics Branch, Division of Blood Diseases and Resources, National Heart, Lung and Blood Institute of the National Institutes of Health, a position she has held since 2006.

Dr. Glynn has disclosed the following relationships with commercial entities: None

Lawrence T. Goodnough, MD — Director, Transfusion Service, Stanford University Medical Center, Professor of Pathology and Medicine, Stanford University

Dr. Goodnough is Professor of Pathology and Medicine in the Department of Pathology, at Stanford University School of Medicine in Stanford, California. He is director of transfusion services at Stanford University Medical Center, and is associate director of blood services at the Stanford Blood Center. Dr. Goodnough received his medical degree in 1975 from the University of Pennsylvania, completed an internship and residency at the University of Alabama Hospitals in Birmingham, Alabama, and a fellowship in hematology/oncology at Case Western Reserve University. He is board certified in medicine, hematology, oncology, and also has an American College of Pathology Certification in Blood Banking. As a visiting professor and frequent lecturer, he has presented his work in transfusion medicine at more than 225 national and international forums. Dr. Goodnough has contributed more than 650 articles, abstracts, and book chapters to the medical literature on blood and blood products. He has a particular interest in blood management strategies to reduce patient exposure to allogeneic blood products.

Dr. Goodnough has disclosed the following relationships with commercial entities: None

Bruce C. McLeod, MD — Rush University Medical Center, Professor of Medicine and Pathology

Dr. Bruce McLeod is a graduate of the University of Texas (BA) and the Harvard Medical School (MD). Following a residency in Internal Medicine and a fellowship in Immunology at Rush he joined the Rush Blood Center in 1975 to create an apheresis capability. Apheresis has remained a major focus of his work and scholarly activities as evidenced in presentations and publications on this topic. He has served as Chair of the AABB Hemapheresis Committee and President of the American Society For Apheresis (ASFA). He was the first recipient of ASFA’s Morrison Lecturer award and also received its Presidential Award. He served as Senior Editor for all three editions of the textbook entitled Apheresis: Principles and Practice. He is currently Professor of Medicine and Pathology at Rush Medical College and Director of the Blood Center at Rush University Medical Center.

Dr. McLeod has disclosed the following relationships with commercial entities: None

Paul M. Ness, MD — Johns Hopkins Medical Institutions, Professor of Pathology, Medicine and Oncology, and Director of Transfusion Medicine

Dr. Paul M. Ness is currently the Director of Transfusion Medicine at The Johns Hopkins Hospital in Baltimore, Maryland, and Professor of Pathology, Medicine, and Oncology at The Johns Hopkins University School of Medicine. He received his undergraduate degree at the Massachusetts Institute of Technology and his medical education at the State University of New York at Buffalo. He was an intern at SUNY Buffalo and a medical resident at Johns Hopkins Hospital. He did a hematology-oncology fellowship at the University of California San Francisco and a blood bank-transfusion medicine fellowship at the Irwin Memorial Blood Bank (now Blood Centers of the Pacific). He is board
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certified by the American Board of Internal Medicine in Medicine, Hematology, and Medical Oncology, and the American Board of Pathology in Blood Banking/Transfusion Medicine.

In addition to his position at Johns Hopkins which he has held since 1979, he was the chief executive officer and senior medical director of the Greater Chesapeake and Potomac Region of the American Red Cross Blood Services. He has held a number of positions with the AABB including President. He is currently the editor in chief of the journal Transfusion. Dr. Ness has written approximately 150 scientific papers, 25 book chapters, and is the editor of two major texts in transfusion medicine.

Dr. Ness is currently the Principal Investigator for the Johns Hopkins site of the Transfusion Medicine/Hemostasis Clinical Trial Network sponsored by NHLBI. Dr. Ness also has been involved in research and teaching efforts in blood safety domestically and internationally. He is a consultant to the coordinating center for the REDS II program and the co-PI for the China program in the REDS II International Program. He also has research programs in other areas of transfusion complications such as animal models of alloimmunization and delayed serologic/hemolytic transfusion reactions. Dr. Ness is the 2011 recipient of the Emily Cooley Memorial Award from the AABB.

*Dr. Ness has disclosed the following relationships with commercial entities: consultant to Gambro BCT*

Paul Schmidt, MD — Florida Blood Services, Transfusion Medicine Academic Center

Dr. Paul J. Schmidt of the Transfusion Medicine Academic Center of Florida Blood Services is Professor of Pathology and Cell Biology at the University of South Florida in Tampa. From 1954 to 1974, he was Chief of the Blood Bank Department at NIH, then President of the Southwest Florida Blood Bank 1975 to 1990 and from 1993 to 1995, Director of Clinical Services, Red Cross Blood Services of Puerto Rico.

After wartime service in the U.S. Army Medical Department, Schmidt earned a BS from Fordham University, a MS in Low Temperature Biophysics at St. Louis University and a MD from New York University-Bellevue Medical Center. He was President of the Florida Association of Blood Banks in 1980 and of the AABB in 1988 and Editor of the 11th and 12th Editions of the Standards. He is currently official Historian of the International Society of Blood Transfusion and of the AABB. Blood Banks.

He is the author of over 200 professional publications in the science and history of Transfusion Medicine with recent emphasis on how its beginnings impact its continuing improvement. Schmidt is recipient of the AABB Emily Cooley and John Elliott Awards as well as a Silver Medal of the Spanish Red Cross for his work on Plasma.

*Dr. Schmidt has disclosed the following relationships with commercial entities: None*

Simon J. Stanworth, MD — National Blood Service, United Kingdom, Consultant Hematologist

Dr Simon J Stanworth is a Consultant Haematologist for the National Health Service Blood & Transplant at the John Radcliffe Hospital, Oxford, UK. He is a consultant haematologist and honorary consultant paediatric haematologist at Oxford University Hospitals Trust, and honorary senior clinical lecturer at the University of Oxford. He is Secretary of the Regional Transfusion Committee for Oxford and Southampton/Hants. His research is centred on clinical indications of blood components, through systematic reviews and clinical studies/trials.

*Dr. Stanworth has disclosed the following relationships with commercial entities: None*

Darrell Triulzi, MD — Institute for Transfusion Medicine, Vice President and Medical Director

Dr. Triulzi is a Professor of Pathology and Medicine and director of the Division of Transfusion Medicine at the University of Pittsburgh. He is also the medical director of the Institute for Transfusion Medicine and its Centralized Transfusion Service serving 15 hospitals in Pittsburgh, PA. Dr. Triulzi received his bachelor’s degree in biology from Rensselaer Polytechnic Institute in Troy, NY, and his MD from Albany Medical College in Albany, NY. He went on to do an internal medicine internship at the University of Pittsburgh and a pathology residency at University of Rochester, Strong Memorial Hospital in Rochester, NY. He completed a fellowship in Transfusion Medicine/Blood Banking at the Johns Hopkins Hospital in Baltimore, MD before joining the faculty at University of Pittsburgh in 1991. Dr. Triulzi has numerous publications and holds several NIH grants including serving as a principal
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investigator on the Transfusion Medicine/Hemostasis Clinical Trials Network RECESS study and in the REDS III network. He is the current President of the AABB.

Dr. Triulzi has disclosed the following relationships with commercial entities: scientific advisory board member for Fenwal, Cerus, American Red Cross, Carmell; one time consultant for Novartis and Octapharma

Girish Vyas, MD, PhD — University of California at San Francisco, Professor, Department of Laboratory Medicine

Dr. Vyas is a Professor in the Department of Laboratory Medicine at UCSF School of Medicine in San Francisco, and a Visiting Professor in Departments of Pediatrics, and Pathology and Laboratory Medicine in the David Geffen School of Medicine at UCLA, Los Angeles, California. After obtaining his PhD in 1965 from the University of Bombay, he was a postdoctoral fellow (1965-67) at Western Reserve University in Cleveland, Ohio. Since 1967 he has served on the faculty of UCSF School of Medicine. He was Director of the Blood Bank at UCSF Medical Center from 1969-88. His research contributions to transfusion safety, IgA deficiency, hepatitis B, and transfusion-transmitted HIV have culminated in his current pursuit of research on passive-active prophylaxis against population-prevalent HIV-1. He has served on several committees of AABB, ASH, CDC, FDA, NAS-NRC, NIH, UNDP and WHO. He received the Jean Julliard Prize at the 1969 Moscow Congress of the International Society of Blood Transfusion. In 1973 he worked in the Clinical Research Unit of the Walter and Eliza Hall Institute and the Royal Melbourne Hospital in Australia. He was awarded Fulbright Scholarship in 1980 to work at the Pasteur Institute, Paris. His brief biography was featured in the series on Pioneers and Pathfinders in Transfusion Medicine Reviews (2008). He is currently a Board Member of Geneva-based International Alliance for Biological Standardization (IABS), Chairman of the IABS Publications Committee, and Editor-in-Chief for BIOLOGICALS published by Elsevier. He has edited 12 books and monographs and published 225 original papers on his research in human genetics, virology and immunology relating to Transfusion Medicine.

Dr. Vyas has disclosed the following relationships with commercial entities: None

The planners of this activity disclosed the following relationships with commercial entities:

Ralph Vassallo, MD, Director of Continuing Medical Education for this event:
Research support from Fenwal, Inc
Dinner Registration
Wednesday, March 14, 2012
John H. Stroger, Jr. Hospital of Cook County
Cafeteria
1901 West Harrison St.
Chicago, IL 60612
Parking: visitor entrance on Polk Street; Parking fee $5.00 for the event

6:00PM-8:00PM “Problem Seen, Problem Solved; Bernard Fantus and Blood, John Elliott and Plasma” Paul Schmidt, MD

Last name ___________________________ First name: ___________________________

Title: ________________________________

Institution: ________________________________________________________________

Mailing Address: ____________________________________________________________

City ___________________________ State _______ Zip __________

Business Phone: ________________ Home Phone: ____________________________

E-Mail address: _____________________________________________________________

Registration Fees:

☐ Dinner: $35

Please note that dinner registration does NOT include the 3/15/12 symposium; please see next page for symposium registration

MAIL REGISTRATION FORM AND CHECK (PAYABLE TO ILABB) TO:

Treasurer, ILABB
Illinois Association of Blood Banks
P.O. Box 2123
Glenview, IL 60025

(Note: Credit Cards are NOT accepted)

Questions: email: ilabbinfo@gmail.com

Or contact Robyn Bruns, Lifesource Blood Center: 847-260-2744, rbruns@itxm.org
Symposium Registration

Last name: ______________________  First name: ______________________  Title: ______________________

☐ Medical Technologist  ☐ Nurse  ☐ Physician

☐ Other

Institution: ______________________

Mailing Address: ______________________

City ______________________  State ______________________  Zip ______________________

Business Phone: ______________________  Home Phone: ______________________

E-Mail address: ______________________

Can this email address be included in a list for ILABB notices and mailings?  □ YES  □ NO

Registration Fees:

☐ Technologist/Nurse $90

☐ Physician $100

☐ SBB Students, Pathology Residents and Transfusion Medicine Fellows: $25 (advanced registration ONLY!)

Please note that symposium registration does NOT include the 3/14/12 dinner; please see previous page for dinner registration

PARKING, CONTINENTAL BREAKFAST AND LUNCH ARE INCLUDED

MAIL REGISTRATION FORM AND CHECK (PAYABLE TO ILABB) TO:

Treasurer, ILABB
Illinois Association of Blood Banks
P.O. Box 2123
Glenview, IL 60025

(Note: Credit Cards are NOT accepted)

Questions: email: ilabbinfo@gmail.com
Or contact Robyn Bruns, Lifesource Blood Center: 847-260-2744, rbruns@itxm.org