

IL CONVEGNO ODIERNO INTENDE ILLUSTRARE GLI OBIETTIVI CONSEGUITI AD OGGI E GLI STUDI EFFETTUATI DAL BEST (BIOMEDICAL EXCELLENCE FOR SAFER TRANSFUSION) COLLABORATIVE, ORGANIZZAZIONE INTERNAZIONALE CHE SI PROPONE DI ANALIZZARE TUTTI GLI AMBITI E LE STRATEGIE TESE A CONSEGUIRE LA MASSIMA QUALITÀ E SICUREZZA DELLA TERAPIA TRASFUSIONALE ATTRAVERSO LA STANDARDIZZAZIONE DI TECNICHE ANALITICHE, PROPONENDO LO SVILUPPO DI NUOVE PROCEDURE, EFFETTUANDO LA REVISIONE SISTEMATICA DELLE EVIDENZE SCIENTIFICHE ED INFINE CURANDO LA PROGETTAZIONE E REALIZZAZIONE DI STUDI CLINICI E DI LABORATORIO IN MEDICINA TRASFUSIONALE.

THE PURPOSE OF THIS MEETING IS TO GIVE AN OVERVIEW ON THE OBJECTIVES ACHIEVED AND THE STUDIES CARRIED OUT TO DATE BY THE BEST (BIOMEDICAL EXCELLENCE FOR SAFER TRANSFUSION) COLLABORATIVE. THIS INTERNATIONAL RESEARCH ORGANIZATION WAS ESTABLISHED MAINLY WITH THE AIM OF ANALYSING THE FIELDS AND THE STRATEGIES RELATED TO TRANSFUSION MEDICINE WITH THE PURPOSE OF ACHIEVING THE HIGHEST LEVEL POSSIBLE OF QUALITY AND SAFETY OF TRANSFUSION THERAPY. THE MAIN ACTIONS TAKEN TO MEET THE AFOREMENTIONED GOALS ARE THE STANDARDIZATION OF ANALYTICAL TECHNIQUES, THE DEVELOPMENT OF NEW PROCEDURES, THE SYSTEMATIC REVIEW OF SCIENTIFIC EVIDENCE, AND THE FORMULATION AND IMPLEMENTATION OF CLINICAL AND LABORATORY STUDIES IN TRANSFUSION MEDICINE.



**CENTRO
NAZIONALE
SANGUE**



RESPONSABILE SCIENTIFICO/*SCIENTIFIC COORDINATOR*

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**CENTRO
NAZIONALE
SANGUE**



ITALY WELCOMES BACK BEST COLLABORATIVE
An updated overview in Transfusion MEDICINE

Florence, 26 aprile 2018

FH - Grand Hotel Mediterraneo
Lungarno del Tempio, 44

PROGRAMMA/AGENDA

10.00 - 10.40 Registrazione / *Registration*

10.40 - 10.50 Saluto di Benvenuto / *Welcome address*

GIROLAMO SIRCHIA

10.50 - 11.00 Introduzione / *Introduction*

GIANCARLO MARIA LIUMBRUNO

Sessione I / *Session I*

Moderatori / *Chairpersons*

GIANCARLO MARIA LIUMBRUNO, PIERLUIGI BERTI

11.00 - 11.20

BEST Collaborative: obiettivi e studi

BEST Collaborative: mission and studies overview

MICHAEL MURPHY

11.20 - 11.40

Conservazione del sangue e biologia: dall'uomo ai topi e viceversa

Blood storage and biology: from man to mice and back

JAMES ZIMRING

11.40 - 12.00

Tecniche di omica, lesioni da conservazione e outcome clinici

Omics overview of storage lesions and relevance to clinical outcomes

ANGELO D'ALESSANDRO

12.00 - 12.20

Soluzioni additive alternative

Alternative additive solutions

DIRK DE KORTE

12.20 - 13.00

Dibattito/*Debate*

13.00 - 14.00

Pranzo/*Lunch*

Sessione II/*Session II*

Moderatori / *Chairpersons*

SIMONETTA PUPELLA, PAOLO REBULLA

14.00 - 14.20

Conservazione del sangue e tecniche di riduzione dei patogeni

Pathogen reduction technologies and effect on blood storability

JOSE CANCELAS

14.20 - 14.40

Impatto della variabilità biologica di donatori e riceventi sulla conservazione del sangue e sugli outcome trasfusionali

The impact of biological variability of donors and recipients on storability and transfusion outcomes

DANA DEVINE

14.40 - 15.00

Metabolismo del ferro nei donatori e nei riceventi

Iron metabolism in blood donors and recipients

STEVEN SPITALNIK

15.00 - 15.20

Recupero post-trasfusionale, ferro non legato alla transferrina e conservazione dei globuli rossi

Post-transfusion recovery and non-transferrin bound iron techniques and red blood cell storage

ELDAD HOD

15.20 - 15.40

Donatori con deficit di glucosio 6-fosfato deidrogenasi: studio clinico sul recupero post-trasfusionale e risultati di studi molecolari

Glucose 6-phosphate dehydrogenase deficient donors: a clinical trial on post-transfusion recovery and results from molecular studies

RICHARD FRANCIS

15.40 - 16.00

Prospettive future in Medicina Trasfusionale

Future perspectives in Transfusion Medicine

SIMONE GLYNN

16.00 - 16.40

Dibattito/*Debate*

16.40 - 16.50

Considerazioni finali/*Closing remarks*

GIANCARLO MARIA LIUMBRUNO

16.50 - 17.00

Test di apprendimento/*Learning test*

RELATORI E MODERATORI/SPEAKERS AND CHAIRPERSONS

PIERLUIGI BERTI: President, Italian Society of Transfusion Medicine and Immunohaematology, Bologna, Italy

JOSE CANCELAS: Director, Research Division and Medical Director for Cell Therapies, Hoxworth Blood Center, Cincinnati Children's hospital, USA

ANGELO D'ALESSANDRO: Boettcher Investigator; Assistant Professor, Department of Biochemistry and Molecular Genetics, University of Colorado Denver; Director, Metabolomics Core, USA

DIRK DE KORTE: Senior investigator Blood Transfusion Technology Laboratory, Sanquin Blood Center, The Netherlands

DANA DEVINE: Chief of the Medical Services & Innovation division at Canadian Blood Services, Canada

RICHARD FRANCIS: Medical Director, Special Hematology and Coagulation Laboratory, Columbia University, New York, NY, USA

SIMONE GLYNN: Branch Chief Blood Epidemiology and Clinical Therapeutics Branch Division of Blood Diseases and Resources National Heart, Lung, and Blood Institute, National Institutes of Health Bethesda, MD, USA

ELDAD HOD: Associate Professor, Department of Pathology and Cell Biology | Director, Center for Advanced Laboratory Medicine | Co-Director, Laboratory of Transfusion Biology, Columbia University Medical Center - New York, NY, USA

GIANCARLO MARIA LIUMBRUNO: Director General, Italian National Blood Centre, National Institute of Health, Rome, Italy

MICHAEL MURPHY: Consultant Haematologist for the Oxford University Hospitals, UK

SIMONETTA PUPELLA: Director Medical Affairs & Blood Inspection System, Italian National Blood Centre, National Institute of Health, Rome, Italy

PAOLO REBULLA: Scientific Director, Meditalia Srl, Italy

GIROLAMO SIRCHIA: Past Health Minister, Italy

STEVEN L. SPITALNIK: Co-Director, Laboratory of Transfusion Biology, Department of Pathology & Cell Biology, Columbia University - New York, NY, USA

JAMES ZIMRING: Chief Scientific Officer, BloodWorks Northwest Research Institute, Seattle, WA, USA