WORKSHOP

Purification Therapies
THE IDEAS FOR CLINICAL RESEARCH
MILAN, 15-16 MARCH, 2019

SCIENTIFIC PROGRAM
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The 2nd Workshop ‘Purification Therapies’ aims to develop and strengthen the relationship between the concept of evidence-based medicine and clinical evidence, also by giving the opportunity to different groups - who are working on clinical research about the application of apheresis therapies - to meet together and share experiences and ideas.

The Scientific Committee and Aferetica are pleased to welcome in Milan the participants of the network, to exchange and discuss opinions and experiences on some of the main areas of apheresis application.
SCIENTIFIC COMMITTEE

STEFANO FAENZA  Bologna

ANTONIO PESENTI  Milano

GIUSEPPE REMUZZI  Milano

MAURO RINALDI  Torino

MAURIZIO VECCHI  Milano
FRIDAY, 15 MARCH, 2019

13.15→13.30
WELCOME INTRODUCTION
Mauro Atti

13.30→14.00
OPENING LECTURE
Evidence Based Medicine or not?
Chair: Antonio Pesenti
Giuseppe Remuzzi

14.00→15.30
ROUND TABLE: EVIDENCES, CLINICAL PRACTICE AND CLINICAL RESEARCH
Chair: Loreto Gesualdo; Antonio Pesenti

• Sepsis and Cytokines: Science, Reality and Legends
  Didier Payen

• Multi organ failure: the role of ECMO and Apheresis
  Federico Pappalardo

• Liver Failure, do we have new opportunities?
  Stefano Faenza

• Inflammatory Bowel Disease and Apheresis
  Maurizio Vecchi

• The role of Registries on EBM and the CytoSorb Registry
  Frank M. Brunkhorst

15.30→16.30
COFFEE BREAK
FRIDAY, 15 MARCH, 2019

APHERESIS AND TRANSPLANTATION

16:30 → 17:00
LECTURE
Transplantation in the “Marginal Organs” era: Results and Prospective
Chair: Umberto Cillo
Massimo Cardillo

17:00 → 18:30
ROUND TABLE: ORGAN PERFUSION
Chair: Mauro Rinaldi; Michele Colledan

- Two voices Introduction: the mediators of Organ damage
  Giuseppe Castellano & Vito Fanelli

- In Situ Perfusion
  Marinella Zanierato

- Hypothermic ex vivo perfusion: the Kidney
  Camillo Carrara

- Normothermic ex vivo perfusion: the Liver
  Davide Ghinolfi

- What the lung experience is telling us
  Massimo Boffini
9:00→11:30
STUDY GROUP PARALLEL MEETINGS

La Cartomante Room 1 Therapeutic Apheresis for IBD Study Group
Chair: Maurizio Vecchi; Mauro Mastronardi

- Leucocitoapheresis and IBD: the rational and the clinical evidences
  Erica Villa
- The importance of DOSE finding: the Kt/V Concept
  Loreto Gesualdo
- DOSE Study: Leukapheresis DOSE for IBD
  Maurizio Vecchi
- AVE-UC Study: Leukapheresis and Vedolizumab in Ulcerative Colitis
  Maria Cappello
- Closing Remarks: How to move forward
  Maurizio Vecchi

Auditorium 2 Apheresis in Septic Patients Study Group
Chair: Filippo Aucella

- Adsorption in critically ill patients: latest scientific result
  Nicola Brienza
- Jena CytoSorb Registry
  - RCT vs Registries in Sepsis and The Italian Experience with CytoSorb Registry
    Filippo Aucella
  - How to registry and insert patients
    Harriet Adamson; Carolina Giordano
- ALBIOSS Study
  - The role of adsorption in ALBIOSS Study
    Pietro Caironi
- Closing Remarks: How to move forward
  Filippo Aucella
PARALLEL MEETINGS PROGRAM

SATURDAY, 16 MARCH, 2019

Bacco e Arianna Room 3 Apheresis in Liver Failure Study Group
Chair: V. Marco Ranieri; Stefano Faenza

- Liver Failure: pathophysiology
  Maria Cristina Morelli
- Extracorporeal Therapies in Liver Failure: past, present and future
  Stefano Faenza
- BILiver Study in Acute On Chronic Liver Failure
  V. Marco Ranieri - Antonio Siniscalchi
- Acute Liver Failure: How to increase evidences?
  Andrea De Gasperi
- Closing Remarks: How to move forward
  V. Marco Ranieri

Luca Giordano Room 4 Apheresis and DCD: DONARE Study Group
Chair: Francesco Procaccio

- The role of Apheresis in ECMO
  Federico Pappalardo
- The role of Apheresis during Regional Normothermic Perfusion (NECMO) in Donation after Cardiac Death
  Marinella Zanierato
- DONARE Study
  Francesco Procaccio
- How to manage the DONARE study in practice
  Francesca Sola
- Closing Remarks: How to move forward
  Francesco Procaccio
Ercole e Diomede Room  5  Pediatric Study Group
Chair: Gabriella Bottari

• Adsorption in critically ill pediatric patients: latest scientific results and our experience: Bambin Gesù Hospital
  Gabriella Bottari

• Our Experience: Giovanni XXIII Hospital
  Leonardo Milella

• Our Experience: Regina Margherita Hospital
  Licia Peruzzi

• Our Experience: Sant’Orsola-Malpighi Hospital
  Fabio Caramelli

• How could we create evidence in the Pediatric field? Our idea of a Pediatric Registry
  Gabriella Bottari and all the participants

11:30→13:00
POSTER LUNCH SESSION
Chair: Angelo Gratarola; Vincenzo Cantaluppi
**POSTER SESSION**

**SATURDAY, 16 MARCH, 11:30 - SESSION I**

Chair: Angelo Gratarola; Vincenzo Cantaluppi

### SIRS, SEPSIS AND MODS

**P01** Metabolomic Characterisation of the Effects of CytoSorb® in a Cohort of Patients suffering from Multiple Organ Dysfunction Syndrome (MODS)
L Barberini; G Malara; F Pappalardo; S Sibilio; C Fattuoni; D Grapov; S Cirri; E Quaini; F Donatelli; A Montisci
Milano

**P02** Hemoadsorption with CytoSorb®, single centre preliminary experience
F Aucella; L Giuliano; G Ferrara; G Gatta; G Gorgoglione; G Melchionda
San Giovanni Rotondo

**P03** Blood purification with CytoSorb® in abdominal septic shock: a case report
S Zuccari; S Vannicola; C Scorcella; R Domizi; E Damiani; P Giaccaglia; M D’Arezzo; A Donati
Ancona

**P04** Clinical effects of hemoadsorption with CytoSorb® for septic shock in a polytrauma patient
V De Angelis; F Frisardi; S Verrengia; L Dori; L Di Marzio; F Leonardi
Roma

**P05** Early Continuous Haemodiafiltration With Cytokine Adsorption Filter (CytoSorb®) After Kidney Transplant: A Case Report
E Porcile; D Ascheri; M Centanaro; A Gratarola
Genova

**P06** Delayed Graft Function and Immunosuppression Drugs in Kidney Transplant: Cytokine Release Syndrome successfully treated with adjuvant hemoadsorption therapy
M Bindi, F Vistoli, U Boggi, G Biancofiore
Pisa

**P07** CytoSorb® for treatment of sepsis in kidney transplant recipient: efficacy and safety
A Maiorano; B Infante; G Stallone; G Grandaliano; M Schirone; F Sangregorio; F Cataneo
Foggia

**P08** Successful Treatment with CytoSorb® in two cases of Septic Shock: A Single Centre Experience.
M Vurchio, A Cavuto, V De Palo, M Gaglio, L Mazzilli, M Cassatella, G Garribba, M Debitonto
Barletta
P09  CytoSorb® and treatment of resistant hemodynamic shock in a case of multifactorial cytokine storm  
U Gerini; E Bedina; F Bianco; G Berlot; G Boscutti  
Trieste

P10  Combined application of CytoSorb® and Sustained Low Efficiency Dialysis (SLED) in a patient with Septic Shock  
M Pezzuto; P Lisi; C Lomonte; P Ciocchetti  
Acquaviva delle Fonti

P11  The use of CytoSorb® therapy in a patient with gangrenous cholecystitis septic shock: a case report  
L Tullo; L Mirabella; A Maiorano; F Cataneo; F Sangregorio; M Schirone; G Grandaliano; G Cinella  
Foggia

P12  A case of septic shock with oliguric acute renal failure resolved with CVVHF coupled with CytoSorb®  
B Di Renzo; A Montanaro; A Spinelli; P Covella; A De Giorgi; A Flores; A Mariotti; P Schiavone; L Vernaglione  
Brindisi

P13  Inflammatory modulation during heart surgery: study protocol for randomized trial  
G F Serraino; F Longhini; P Navalesi; P Mastroroberto  
Catanzaro

P14  CytoSorb® membrane may improve hemodynamic and the pro-inflammatory response in cardiac surgical patients with pre-operative MOF  
F Turani; F Mounajergi; R Barchetta; F Gargano; G Antenucci; G Baretta; F Candidi; M Falco  
Roma

P15  First successful application of CytoSorb® in a patient with endocarditis undergoing transcatheter aortic valve-in-valve replacement during ECMO  
G Paternoster; G Pittella; C Dileo; G Luzi; E Manzan; C Palo; R Fiorilli  
Potenza

P16  CytoSorb® in ECMO system and IABP as a bridge to reparative surgery in ventricular septal defect complicating acute myocardial infarction: a case report  
W Vessella; M D’Arezzo; S Fori; C M Munch  
Ancona
P17 Successful treatment of postcardiotomy septic shock with venoarterial - ECMO and cytokine hemoadsorption with CytoSorb®. A case report
A Favale; P Raimondo; P Dambruoso; N Ceglie; C Labriola
Bari

P18 Acute kidney injury associated with infective endocarditis: hemoadsorption (CytoSorb® adsorber) in combination with CRRT as a valid therapeutic option. A case report
F Cianciotta; M A Iacobellis; N Campobasso; G Rubino; A D Milano; L Gesualdo; G B Pertosa
Bari

P19 Use of CytoSorb® in cardiogenic shock post Acute Myocardial Infarction with papillar muscle rupture and severe Mitral Insufficiency: a case report
N Tenga; R S Giordano; G De Lucia; S Meo; A Natale; M Del Sesto; C Marsicano; T Rossi; M R Piccirillo
Caserta

P20 Use of CytoSorb® during Cardiopulmonary Bypass in a Patient Underwent Emergent CABG after a Loading Dose of Ticagrelor
S Sibilio; A Moneta; A Di Mauro; A M Marotta; G Malara; L Barberini; C Fattuoni; S Cirri; A Montisci; F Donatelli
Milano

P21 Severe quetiapine voluntary overdose successfully treated with a new hemoperfusion sorbent
V Dalmastri; L Giuntoli; N Cilloni; C Orsi; L Stalteri; V Demelas; G Giuliani; G Gordini; F De Ponti; G La Manna
Bologna
**POSTER SESSION**

**SATURDAY, 16 MARCH, 11:30 - SESSION II**

Chair: Angelo Gratarola; Vincenzo Cantaluppi

**TRANSPLANT**

**P22**  
Hemoadsorption perfusion strategy mitigates lung ischemia reperfusion injury associated to extended warm ischemic time  
*E Simonato; A Berardino; F Scalini; A Costamagna; G Sales; I Steinberg; M Scanu; S Balzano; E Lorenzetti; F Caprioni; D Maddinelli; V Finiti; G Izzo; L Brazzi; M Rinaldi; M Boffini; V Fanelli*  
Torino

**P23**  
Sequential use of locoregional abdominal perfusion and end-ischemic normothermic machine perfusion in DCD grafts with extremely prolonged warm ischemia time  
*E Rreka; D Ghinolfi; D Pezzati; R Aglietti; G Biancofiore; P De Simone*  
Pisa

**P24**  
Apheresis in Organ Donation After Cardiac Death (DCD): A Single Centre Experience  
*S Baroni; S Rinaldi; S Ghedini; F Di Benedetto; E Bertellini*  
Modena

**LIVER FAILURE**

**P25**  
In-vivo comparison of efficiency between two methods for bilirubin and bile acids removal  
*I Riva; V Broletti; S Soffia; G Napolitano; C Freddi; P A Amboni; G Marchesi; F Fabretti*  
Bergamo

**P26**  
Blood purification after liver transplantation could be a useful choice?  
*V Zanini; A Borghi; L Vetrugno; V Cherchi; U Baccarani; T Bove*  
Udine

**P27**  
High cut-off continuous veno-venous hemodialysis associated with hemoadsorption effectively remove bilirubin and contribute to prevent hyperbilirubinemia induced-acute kidney injury. A single center experience.  
*M D’Arezzo; V Grandinetti; P Freddi; S Sagripanti; A M Ricciatti; I Moretti; F Brigante; A Ranghino; E Cerruti*  
Ancona

**P28**  
Successful treatment of bilirubin nephropathy by CytoSorb® hemodialysis  
*M Guarneri; L Calandra; R Di Bella; R Riccobene; F Vaccaro; G Mulè; E Vicari; D Vella; K Montalbano; V Tranchida; N Sinatra; M Giambrone; V Di Marco; A Craxi; S Cottone*  
Palermo
P29 Bridging to transplant a patient with acute-on-chronic hepatic failure: the role of CytoSorb® haemoadsorption
A Frattari; E D’Andrea; S Talamazzi; P Cacciatore; G Parruti; M Campanella; R Zocaro
Pescara

P30 CytoSorb® as an organ support therapy during Acute Liver Failure after Hepatic Resection: A Case Report.
M T Cazzato; D Gemma; M G Viola; F Caccetta; A Accogli; V Montinaro; T Pellis
Tricase

P31 ECMO in combinaton with CytoSorb® in a woman with para-prosthetic leak following Mitral Valve Replacement, candidate to Percutaneous Treatment: a case report
A Ballotta; H Kandil; A Varrica; F Bettini; A Satriano; G Isgrò; M Cotza; A Micheletti, M Ranucci
Milano

P32 Hemoperfusion with CytoSorb® for bilirubin and cytokine removal in a cardiac surgery patient
E Manini; F Volpi
Perugia

RHABDOMYOLYSIS

P33 Use of haemoadsorption with CytoSorb® in patients with severe acute rhabdomyolysis: A case series
A Doronzio; I Riva; F Fabretti; P A Amboni; C Freddi; G Napolitano; D Signori; V Beltramelli; B Balicco; G Marchesi
Zingonia-Bergamo

P34 Critical illness Myopathy after septic shock in Pneumococcal pneumonia: Rhabdomyolysis treatment with CytoSorb® cartridge
M Feri
Arezzo

P35 Treatment of post-traumatic rhabdomyolysis with a combined purification strategy: a case report
F M Romito; M Armento; F Caniglia; R Cascione; G Ciampo; L Gaudio; R Nicoletti; M G Schievenin; F Zuccaro; F Dimona
Matera

PEDIATRIC PATIENTS

P36 First hemoadsorption using CytoSorb® in a pediatric patient with toxic epidermal necrolysis
G Bottari; M Di Nardo; M Marano; F Stoppa; I Guzzo; E H May; C Cecchetti
Roma
P37 Rapid treatment of unexpected septic shock: a single pediatric case recovery for Septic Shock due to Streptococcal Arthritis using early extracorporeal cytokine adsorber treatment
  P Raimondo; M Ficarella; P Moliterni; M Sisto; F Cito; G Calabrese; L Milella
  Bari

UREMIC TOXINS

P38 Indossyl Sulphate and P-Cresol Sulphate Effective removal by Dyvinilbenzene resin in patient in Hemodialysis
  M T Rocchetti; C Cosola, Ighli di Bari; M Taurisano; S Magnani; V Galleggiante; G Dalfino; R Corciulo; M Atti; L Gesualdo
  Bari

MICI

P39 AVE-UC (Apheresys and Vedolizumab in Ulcerative Colitis) study. Combination therapy with leukocytoapheresys and Vedolizumab in patients with ulcerative colitis refractory to anti-TNFs
  M Cappello
  Palermo

P40 Efficacy and safety of leukocytapheresis adsorber device LA25: experience with 9 patients
  A Ferronato; K I Rodriguez-Castro; E Zanetti; G Errigo; F Sola; G Baldassarre
  Santorso - Vicenza

P41 Combination therapy with leukocytoapheresys and Vedolizumab in a patient with ulcerative colitis refractory to anti-TNFs
  M Cappello; B Scrivo and A Craxi
  Palermo

IMMUNOLOGICAL PATHOLOGIES

P42 Cascade Filtration, a Promising Treatment for Myasthenia Gravis
  M Caputo; L Abbruzzese
  Tricase

P43 Utility of Double Filtration Plasmapheresis in Acute Antibody Mediated Renal Allograft Rejection
  A D Quercia; G Merlotti; G Guglielmetti; M Quaglia; D Medica; V Cantaluppi
  Novara
FACULTY

HARRIET ADAMSON  Berlin
MAURO ATTI  Bologna
FILIPPO AUCELLA  San Giovanni Rotondo
MASSIMO BOFFINI  Torino
GABRIELLA BOTTARI  Roma
NICOLA BRIENZA  Bari
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PIETRO CAIRONI  Orbassano
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CAMILLO CARRARA  Bergamo
GIUSEPPE CASTELLANO  Bari
UMBERTO CILLO  Padova
MICHELE COLLEDAN  Bergamo
ANDREA DE GASPERI  Milano
CAROLINA GIORDANO  Bologna
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FRANCESCA SOLA  Bologna
MAURIZIO VECCHI  Milano
ERICA VILLA  Modena
MARINELLA ZANIERATO  Torino
GENERAL INFORMATION

Meeting Venue

CENTRO CONGRESSI CARIPLO
MILANO - ITALY
PALAZZO CONFALONIERI
VIA ROMAGNOSI 8

Travel Information

BY METRO

To reach the meeting venue by metro, follow the direction below:

MONTENAPOLLEONE Stop of line M3
DUOMO Stop of line M1

BY CAR

To reach the meeting venue by car follow the indications for the car parking
PARCHEGGIO PIAZZA MEDA
Piazza Meda 2/A

Onsite Secretariat

The Purification Therapies Secretariat will be available on-site (Ground Floor) from 12 p.m of Friday March 15 to the closing of the WorkShop.
### Legend

**La Cartomante Room**  
Apheresis for IBD Study Group

**Bacco e Arianna Room**  
Apheresis in Liver Failure Study Group

**Luca Giordano Room**  
Apheresis in DCD DONARE Study Group

**Ercole e Diomede Room**  
Pediatric Study Group

**Auditorium**  
Apheresis in Septic Patients Study Group
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