



WORKSHOP

Purification Therapies

THE IDEAS FOR CLINICAL RESEARCH

MILAN, 15-16 MARCH, 2019



SCIENTIFIC PROGRAM

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INTRODUCTION

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

SCIENTIFIC PROGRAM

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

APHERESIS AND CRITICAL PATIENTS

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

SCIENTIFIC PROGRAM

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

PARALLEL MEETINGS PROGRAM

SATURDAY, 16 MARCH, 2019

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

PARALLEL MEETINGS PROGRAM

SATURDAY, 16 MARCH, 2019

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 Cavuoto, V De Palo, M Gaglio, L Mazzilli, M Cassatella, G Garribba, M Debitonto
Barletta

POSTER SESSION

- 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 Cinnella
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

CARDIAC SURGERY AND ECMO

- P13** **Inflammatory modulation during heart surgery: study protocol for randomized trial**
G F Serraino; F Longhini; P Navalesi; P Mastroberto
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 Baretin; 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

POSTER SESSION

- 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 ropture 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

DRUGS REMOVAL

- 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 Dalmastrì; 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 Caproni; 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 Giambone; V Di Marco; A Craxi; S Cottone
Palermo

POSTER SESSION

- P29** **Bridging to transplant a patient with acute-on-chronic hepatic failure: the role of CytoSorb® haemoadsorbition**
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
Mllano
- 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

POSTER SESSION

- 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** **Indosyl 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 leukocytoapheresis 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
FRANK M. BRUNKHORST	Jena
PIETRO CAIRONI	Orbassano
VINCENZO CANTALUPPI	Novara
MARIA CAPPELLO	Palermo
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MASSIMO CARDILLO	Roma
CAMILLO CARRARA	Bergamo
GIUSEPPE CASTELLANO	Bari
UMBERTO CILLO	Padova
MICHELE COLLEDAN	Bergamo
ANDREA DE GASPERI	Milano
CAROLINA GIORDANO	Bologna
STEFANO FAENZA	Bologna
VITO FANELLI	Torino
LORETO GESUALDO	Bari
DAVIDE GHINOLFI	Pisa
ANGELO GRATAROLA	Genova
MAURO MASTRONARDI	Castellana Grotte
LEONARDO MILELLA	Bari
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GIUSEPPE REMUZZI	Milano
MAURO RINALDI	Torino
ANTONIO SINISCALCHI	Bologna
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:

MONTENAPOLEONE Stop of line 

DUOMO Stop of line 

BY CAR

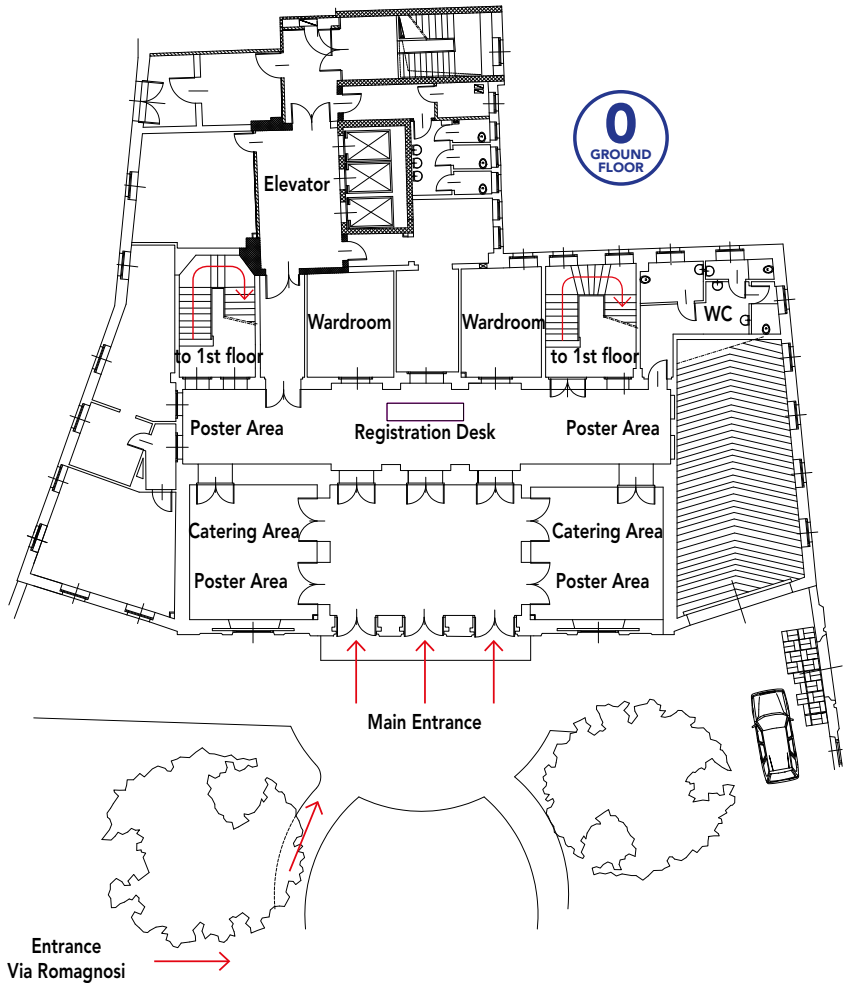
To reach the meeting venue by car follow the
indications for the car parking
PARCHEGGIO PIAZZA MEDA
Piazza Meda 2/A

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.

GENERAL INFORMATION

Centro Congressi Cariplo Map



Legend

La Cartomante Room

Apheresis for
IBD Study Group

Bacco e Arianna Room

Apheresis in Liver Failure
Study Group

Luca Giordano Room

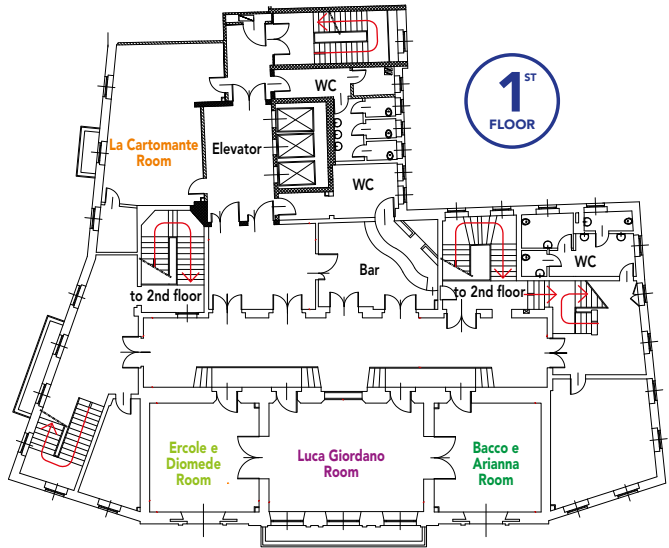
Apheresis in DCD
DONARE Study Group

Ercole e Diomede Room

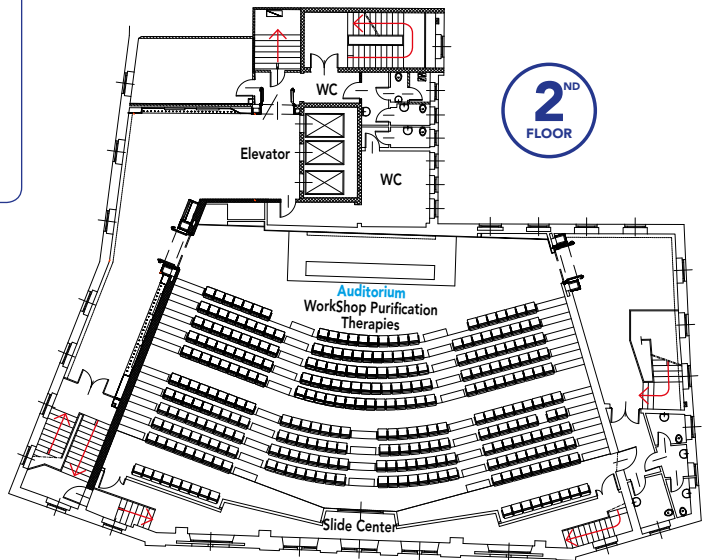
Pediatric Study Group

Auditorium

Apheresis in Septic
Patients Study Group



1ST
FLOOR



2ND
FLOOR

CONTACTS

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