Hands-On ECMO Cannulation
One-Day Training
Wednesday, May 21, 2014
Limited to 15 places!

Pre-Congress Course
Wednesday afternoon, May 21, 2014
Thursday morning, May 22, 2014

International Course on ECMO and Euro-ELSO 2014
Program Coordinators:
A. Combés
P. Leger
P. Leprince
C. Mossadegh

May 22-24
Pullman Montparnasse
Paris, France

www.paris-euroelso2014.com
It is with great pleasure that we announce the 3rd EuroELSO annual conference, to be held in the heart of Paris, May 22-24, 2014. This meeting will be held in conjunction with the well established Paris ECMO event.

Intensivists, cardiologists, cardiac surgeons, pediatric surgeons, general surgeons, perfusionists, respiratory therapists, intensive care nurses and all other professionals interested in the care of patients with both cardiac and respiratory failure are invited to join us for this important meeting at the Pullman Montparnasse in downtown Paris.

The meeting will include a pre-conference ECMO cannulation course on live animals (May 21) and a pre-congress practical course on ECMO (May 21-22).

Our main program will feature a large number of international experts from various fields. During panel discussions the audience will have the opportunity to engage in an interactive exchange with experts on ECMO and advanced intensive care for respiratory and cardiac failure in newborns, pediatric and adult patients.

We also welcome abstract submissions for free paper presentations and the poster exhibition.

Details and information about the ECMO + Euro-ELSO 2014 meeting are now available on the congress website: www.paris-euroelso2014.com

We look forward to seeing you in Paris in May 2014!

Alain Combes  
Institut de Cardiologie, Groupe Hospitalier Pitié-Salpêtrière, Paris, France

Pascal Leprince

Hands-On ECMO Cannulation

One-Day Training

Wednesday, May 21, 2014

Limited access!
**Wednesday May 21**

**13:45 – 14:00**  
**Welcome Address**

**14:00 – 15:30**  
**Adult ECMO**

- Physiology of gas exchange
- Determinants of O2 and CO2 Transfer during ECMO
- Cannulation for VV ECMO
- Analyzing and preventing recirculation on VV-ECMO
- Monitoring during VV-ECMO
- My patient remains hypoxemic on VV

- **Coffee Break**

**16:00 – 18:00**  
**Adult ECMO**

- The Mobile ECMO team
- A practical overview of EchoDoppler use for cannulation
- Intrathoracic approach to VA-ECMO cannulation
- Monitoring the VA-ECMO patient
- Tell me about VA VAV VVAAV VA VAVA
- Bleeding on ECMO: causes and management
- Nursing on ECMO: mobilizing the ECMO patient

**Thursday May 22**

**08:00 – 10:00**

- How to reduce infectious complications on ECMO
- Neurologic complications of ECMO
- A short update on CO2 removal devices and indications
- Which catheter/flow should be used for ECCO2R?
- Sedation under ECMO
- Help me troubleshoot the ECMO machine!
- Weaning strategy for VA ECMO

- **Coffee Break**

**10:30 – 12:30**

- Why you should join the ELSO?
- How to organize a research network?
- Transfusion strategies on ECMO
- How to set-up a hemofiltration machine on ECMO?
- How to set-up a simulation program?
- Evaluation of an ECMO program
Thursday May 22

12:30 – 13:30 Lunch symposium
13:45 – 14:00 Opening
14:00 – 15:30
- ELSO chapters 2014 update
- ECMO induced coagulation disorders
- What is the best test to monitor anticoagulation on ECMO?
- Renal failure and ECMO support
- Pk/PD of medications under ECMO
- Nutrition on ECMO
- Panel discussion

15:30 - 16:00 Coffee Break

16:00 - 18:00
- Antibioprophylaxis at ECMO initiation?
- Chlorehexidine dressings to reduce cannula infections
- Mobilization on ECMO
- Neurocognitive outcomes after ECMO
- Regional organization of ECMO support in the UK
- Is there an age limit for ECMO support?
- Who will pay for ECMO support?
- Panel discussion

18:00 – 19:00 Sunset symposium and welcome reception

Friday May 23

08:30 – 10:30 Cardiac Failure
- Epidemiology of severe cardiogenic shock
- New pharmacologic treatments for CS: before ECMO?
- A future for the IABP in CS?
- Impella or ECMO for refractory CS
- Results of ECMO after complicated heart surgery
- ECMO for Pulmonary emboli. Remaining indications for surgery?
- Septic cardiomyopathy: when is ECMO indicated?
- Panel discussion

10:30 – 11:00 Coffee Break

11:00 – 12:45 ECCO2R
- A brief history of extracorporeal gas exchange
- Is hypercapnia toxic or protective?
- When to use ECCO2R for COPD patients?
- Rationale for reducing Vt/Pplat beyond the classical ARDSnet rules?
- First prone the ARDS patient
- First use ECCO2R for the ARDS patient
- Panel discussion

13:00 – 14:00 Lunch Symposium

14:15 – 16:00 Cardiac arrest
- Physiologic consequences of therapeutic Hypothermia
- Neurologic evaluation after CA in the TH era
- Organizing an E-CPR rescue team
- Is E-CPR for out-of hospital cardiac arrest reasonable?
- Maastricht III organ donation after ECMO for cardiac arrest?
- Results of ECMO for organ donation
- Panel discussion

16:30 – 18:30 ARDS
- A brief history of ARDS
- Optimization of MV settings before ECMO for severe ARDS
- Transpulmonary pressure to guide ECMO decision in ARDS?
- What PaO2/SaO2 is acceptable under VV-ECMO?
- Ultrasound examination of the lungs in ARDS patients
- A review of severe pulmonary systemic diseases. Indications for ECMO?
- When to perform a lung biopsy for persistent ARDS?
- Panel discussion

19:00 – 23:00 Congress dinner
Friday May 23

08:30 – 10:30  Pediatric track
- Report of a consensus review for mechanical support in children
- Setup and Maintenance of Extracorporeal Life Support Programs
- ECMO for severe septic shock
- ECMO for myocarditis in infants
- ECMO support for single ventricle defect
- A review of Pediatric Ventricular Assist Devices
- Long-term outcomes after neonatal and pediatric VA-ECMO
- Panel discussion

10:30 – 11:00  Coffee Break

11:00 – 12:45  Short-term cardiac assist devices
- Blood cell activation on ECMO
- TandemHeart or ECMO for severe CS
- Pulsatile ECMO? Does it make sense?
- Use of ECMO in heart transplant surgery
- Airborne ECMO
- The impella family: which device for which indication
- Panel discussion

13:00 – 14:00  Lunch Symposium

14:15 – 16:00  Best Poster Session
- Center of Excellence Committee
- Best poster session
- Panel discussion

16:00 – 18:30  Pediatric track
- Does ECMO Center Volume Impact Mortality?
- ECMO for pediatric lung transplantation
- Outcomes of Congenital Diaphragmatic Hernia
- Acute kidney injury in neonates receiving ECMO
- Is mild hypothermia during newborn ECMO useful?
- Neurologic complications in neonates supported with ECMO
- Pediatric Mechanical Circulatory Support: Future Directions
- Panel discussion

Saturday May 24

08:30 – 10:30  Cardiac ECMO
- ECMO for LVAD surgery
- BIVAD, TAH or double ECLS for bridging to heart transplantation?
- ECMO for complicated pulmonary endarterectomy
- Evaluation of Microcirculation on VA ECMO
- Bridging VA-ECMO patients to recovery, when, how?
- ECMO for the Lung Tx patient when, how?
- Systematic IABP insertion for VA-ECMO?
- Panel discussion

10:30 – 11:00  Coffee Break

11:00 – 12:45  Extracorporeal lung support
- Pro: We need ECMO centers for ARF
- Con: We do not need ECMO centers for ARF
- Extracorporeal lung support in trauma patients with severe chest injury
- CPAP, VCV, PCV, APRV, NAVA or nothing at all during VV-ECMO?
- A rationale for prone positioning VV-ECMO patients?
- Prediction of VV-ECMO success
- Long-term VV support: when to withdraw?
- Panel discussion
- Closing remarks
Friday May 23

08:00 – 09:00  \textbf{Nursing care and ECMO}
\begin{itemize}
  \item What should we monitor?
  \item Pain and sedation control of the ECMO patient
  \item Troubleshooting your ECMO: tips and tricks
  \item ECMO simulator for continuous education
  \item Panel discussion
\end{itemize}

09:00 – 10:30  \textbf{What kind of nursing model for an ECMO program?}
\begin{itemize}
  \item The Philadelphia experience
  \item The Swedish experience
  \item The UK experience
  \item The French experience
  \item Round table
  \item Panel discussion
\end{itemize}

10:30 – 11:00  \textbf{Coffee Break}

11:00 – 13:00  \textbf{Complications under ECMO}
\begin{itemize}
  \item Anticoagulation and ECMO
  \item Bleeding on ECMO
  \item Infection and nursing care
  \item Prevention and diagnosis of limb ischemia
  \item Long-term sequelae of groin cannulation
  \item Panel discussion
\end{itemize}

13:00 – 14:00  \textbf{Lunch Symposium}

14:00 – 15:00  \textbf{Mobile ECMO}
\begin{itemize}
  \item Setting up a mobile ECMO team: technical and management issues
  \item History of mobile ECMO
  \item The French experience
  \item The UK experience
  \item The Swedish experience
  \item The Australian experience
  \item Panel discussion
\end{itemize}

15:00 – 16:00  \textbf{Ethical considerations}
\begin{itemize}
  \item Quality of life after adult ECMO
  \item Long-term sequelae after pediatric ECMO
  \item When to start … when to end?
  \item ECMO for organ donation
  \item Panel discussion
\end{itemize}

16:00 – 16:30  \textbf{Coffee Break}

16:30 – 17:30  \textbf{ECMO}
\begin{itemize}
  \item Pharmacokinetics and Pharmacodynamics of drugs under ECMO
  \item What indications for ECCO2R?
  \item CRRT and ECMO
  \item Pharmacocinétique
  \item Panel discussion
\end{itemize}

17:30 – 18:30  \textbf{Rehabilitation}
\begin{itemize}
  \item The NY team experience
  \item The Papworth experience
  \item The French experience
  \item Educating the patient: the LVAD coordinator’s role
\end{itemize}

14:00 – 16:00  \textbf{Simulations sessions and workshops}

16:30 – 18:30  \textbf{Simulations sessions and workshops}
CONGRESS REGISTRATION

VENUE: PULLMAN MONTPARNASSE HOTEL
19 rue du Commandant René Mouchotte 75014 Paris, France - Tel: +33 (0)1 44 36 44 36

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* Proof of status - ** Proof of membership

The registration fee includes: access to the scientific sessions and the exhibition, daily breaks as well as Congress documents. Cancellation Policy: to request a refund, participants must return their registration receipt with a written request to Overcome, before March 21, 2014. There will be a cancellation fee of 60 € (VAT excl.). No refunds will be possible after this date. The closing date for individual registration is May 15, 2014. After this date registration will be only accepted on site.

HANDS ON ECMO CANNULATION ONE-DAY TRAINING REGISTRATION - WEDNESDAY MAY 21 AND THURSDAY MAY 22, 2014

SCIENTIFIC SECRETARIAT

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EXHIBITION

An exhibition will take place in the heart of the event, hosting industry partners.

www.paris-euroelso2014.org