

Short report of the meeting of the working group on microcirculatory research in children of ESPINC

Organized by the section of hemodynamics and congenital heart disease of ESPINC

Sunday, October 19th 2014, from 12:00 to 13:00 in the ESPINC Boardroom at the EAPS congress in Barcelona

Participants:

- Joris Lemson, chairman (Nijmegen, NL) j.lemson@ic.umcn.nl
- Peter Rimensberger (Geneva, CH) Peter.Rimensberger@hcuge.ch
- Can Ince (Rotterdam, NL) c.ince@erasmusmc.nl
- Willem de Boode (Nijmegen, NL) (Council Member Section "Circulation, Oxygen Transport and Haematology", European Society for Paediatric Research (ESPR). W.deBoode@cukz.umcn.nl
- Dick Tibboel (Rotterdam, NL) d.tibboel@erasmusmc.nl
- Jesús López-Herce (Madrid, ES) pielvi@hotmail.com
- Rafael González Cortés (Madrid, ES) darthrafa@hotmail.com
- Tom Goos (Rotterdam, NL) t.goos@erasmusmc.nl

1. Joris Lemson welcomes the participants at 12:05
2. Every participant introduces him or herself
3. Can Ince presents the latest information about research using microcirculatory devices and informs the participants about the recent developments regarding the Cytocam device.
4. Various local activities are presented
 - Geneva: active with research, plans concerning post-cardiac surgery and ECLS (Cytocam device??)
 - Rotterdam: active with research (Cytocam)
 - Nijmegen: active with research, no clinical studies yet. Animal experiments will start soon (Cytocam device)
 - Madrid active with clinical studies (Microvision device)
5. Technical aspects concerning the two most used devices (Cytocam and Microvision). It is clear that these devices differ from technical aspects of the camera and software. It is the experience from Nijmegen, Rotterdam and others that results are difficult to compare between the two devices. It will be impossible to use the different devices in one and the same study.
6. Possibilities for cooperation. Every center present is willing to cooperate in multicenter (observational studies). The general idea is to "copy" the micro SOAP study that was published very recently ([Crit Care Med.](#) 2014 Aug 14. [Epub ahead of print]). However there are several technical problems that need to be solved first. A draft version of a protocol will be generated (by JL). Can Ince is working with the Rotterdam group on a horizon 2020 grant. This might also concern a pediatric study.
8. No additional comments from the participants.
9. The meeting is closed at 13:08