

2nd International

# **Training Workshops**

## **aEEG and NIRS**

in Neonatology and Pediatric Intensive Care



March 23<sup>rd</sup> – 25<sup>th</sup>, 2018

at the Le Méridien, Munich, Germany

[www.munich-neocon.com](http://www.munich-neocon.com)

# Invitation

Many of us as clinicians started working with the neuromonitor amplitude-integrated EEG (aEEG) in Neonatology, because we saw the opportunity to improve the neurodevelopmental outcome of our small and vulnerable patients. Once your interest is stimulated in this field, you soon discover, that there is much more we could do, but this requires us to challenge our daily routine of work, rather than just adopting a single approach. In addition, especially with challenging hemodynamic situations, near-infrared spectroscopy (NIRS) also has a great value and potential to improve outcome and individual care.

This conference is set to offer a comprehensive workshop for starters as well as already experienced users to learn about the complexities and applications of both aEEG and NIRS. The faculty is assembled of renown experts in the field, giving you a unique opportunity to learn from the basis of extensive experience. Besides the focus on the field of Neonatology, we also give an insight on the potential benefits for pediatric intensive care medicine.

It is my pleasure to welcome you to our international workshop in Munich, Germany, to join in the efforts to improve our approach and care in regards to neuromonitoring and I am totally convinced, that this will be a unique and rich learning experience for us all.

Best regards,

**Karl F. Schettler, M.D., MHBA**

Childrens Hospital St. Marien, Landshut



# Program

## Friday, 23rd March 2018

### Workshop - The amplitude-integrated EEG (aEEG)

|                    |  |
|--------------------|--|
| 08:30-08:45        | Welcome (Schettler)  |
| 08:45-09:45        | The aEEG – Basics, recording, patterns and pitfalls (Richter)      |
| 09:45-10:30        | Asphyxia – Assessment and predictive value of the aEEG (Schettler) |
| <b>10:30-10:45</b> | <b>Coffee break</b>  |
| 10:45-11:30        | Neonatal seizures and aEEG monitoring (Klebermass-Schrehof)        |
| 11:30-12:15        | aEEG in premature infants (Olischar)                               |
| 12:15-13:00        | NICU Nursing and aEEG (Randall)                                    |
| <b>13:00-13:45</b> | <b>Lunch</b>   |
| 13.45-14.30        | Workshops Round 1  |
| 14.30-15.15        | Workshops Round 2  |
| <b>15:15-15.45</b> | <b>Coffee break</b>  |
| 15.45-16.30        | Workshops Round 3  |
| 16.30-17.15        | Workshops Round 4  |
| 17.15-17.30        | Final words  |
| <b>Workshops</b>   | Case Reports, Examples and Quiz Part 1 (Olischar)                  |
|                    | Case Reports, Examples and Quiz Part 2 (Klebermass-Schrehof)       |
|                    | Attachment and different types of electrodes (Schettler/Randall)   |
|                    | Different devices, features and how to document (Richter)          |

# Program

## Saturday, 24<sup>th</sup> March 2018

### Workshop - The amplitude-integrated EEG (aEEG)

|                    |  |
|--------------------|--|
| 08.15-08.30        | WELCOME (Schettler)  |
| 08.30-09.15        | aEEG in general pediatric intensive care (Schettler)                 |
| 09.15-10.15        | aEEG in pediatric cardiac intensive care (TBA)                       |
| <b>10.15-10.45</b> | <b>COFEE BREAK</b>   |
| 10.45-11.15        | How to establish aEEG in your unit? (Schettler)                      |
| 11.15-11.45        | Experiences from establishing routine aEEG in a large NICU (de Luca) |
| 11.45-12.15        | The Neuro-NICU in Stanford – How it works and experiences (Randall)  |
| <b>12.15-13.00</b> | <b>LUNCH</b>   |

### Free lectures (included with either workshop)

|                    |   |
|--------------------|---|
| 13.00-13.15        | Welcome (Schettler)   |
| 13.15-14.00        | TBA (TBA)   |
| 14.00-14.45        | Different monitorages during mechanical ventilation (de Luca) |
| 14.45-15.30        | TBA, (TBA)  |
| <b>15.30-16.00</b> | <b>COFFEE BREAK</b>   |
| 16.00-16.45        | TBA, (TBA)  |
| 16.45-17.30        | Prevention of perinatal brain injury (van Bel)                |

# Program

## Sunday, 25th March 2018

### Workshop – Nearinfrared spectroscopy (NIRS)

|                    |  |
|--------------------|--|
| 08:30-08:45        | Welcome (Schettler)  |
| 08:45-09:15        | Basics of cerebral/somatic NIRS (Naulaers)   |
| 09:15-09:45        | Clinical use and pitfalls of cerebral NIRS (van Bel)   |
| 09:45-10:15        | Cerebral oxygenation and clinical conditions (Lemmers)   |
| <b>10:15-10:45</b> | <b>Coffee break</b>  |
| 10:45-11:15        | NIRS-Measured Autoregulation and Neurovascular Coupling (Naulaers)   |
| 11:15-11:45        | Neuromonitoring and neonatal surgery (Lemmers)   |
| 11:45-12:30        | Use of NIRS in Pediatric Cardiac Intensive Care (Ruf)  |
| 12:30-12:45        | Discussion   |
| <b>12:45-13:45</b> | <b>Lunch</b>   |
| 13.45-14.30        | Workshops Round 1  |
| 14.30-15.15        | Workshops Round 2  |
| <b>15:15-15.45</b> | <b>Coffee break</b>  |
| 15.45-16.30        | Workshops Round 3  |
| 16.30-16.45        | Final words  |
| <b>Workshops</b>   | Case Reports, Examples and Quiz<br><br>Attachment and different types of electrodes<br><br>Devices, features and how to document |

# Faculty

Prof. F. van Bel, Utrecht, Netherlands

Prof. D. de Luca, Paris, France

Assoc. Prof. PD Dr. K. Klebermass-Schrehof, Vienna, Austria

Prof. P. Lemmers, Utrecht, Netherlands

Prof. Gunnar Naulaers, Leuven, Belgium

K. S. Randall, R.N., Los Angeles, U.S.A.

Assoc. Prof. PD Dr. Monika Olischar, Vienna, Austria

Dr. J.W. Richter, Hannover, Germany

Dr. B. Ruf, Munich, Germany

Dr. K. F. Schettler, Landshut, Germany

## General information

**Please be advised, that all information in this pdf represents the current knowledge and planning status of the conference Sep 27<sup>th</sup>, 2017. Changes are possible. For the most updated please visit our website at [www.munich-neocon.com](http://www.munich-neocon.com)**

# Conference Venue

Enjoy a comfortable conference area with free unlimited soft drinks, lunch and coffee breaks, all included in your registration fee!



**Le Méridien Hotel Munich**  
**Bayerstrasse 41**  
**Munich, 80335**  
**Germany**

[www.lemeridienmunich.com](http://www.lemeridienmunich.com)

**We do have special room rates for you  
from **March 23rd - 26th, 2018****

Single superior room **159€ p. night**

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All rates include breakfast and free Wifi

**Direct reservation mention code “Neocon” at the hotel:**

eMail: [reservations@lemeridienmunich.com](mailto:reservations@lemeridienmunich.com)

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# Registration fees

Please register online at [www.munich-neocon.com](http://www.munich-neocon.com)

|  | <b>aEEG only</b> | <b>NIRS only</b> | <b>aEEG &amp; NIRS</b> |
|--|------------------|------------------|------------------------|
| <b>Early bird</b><br>(before Dec 1 <sup>st</sup> ) | <b>280€</b>      | <b>180€</b>      | <b>390€</b>            |
| <b>Late bird</b>                                   | <b>310€</b>      | <b>210€</b>      | <b>420€</b>            |
| <b>Nurses</b>                                      | <b>260€</b>      | <b>160€</b>      | <b>360€</b>            |

*Registration rate "aEEG only" includes unlimited soft drinks, coffee breaks and lunch on Friday and Saturday. Registration rate "NIRS only" includes unlimited soft drinks and coffee breaks on Saturday and Sunday and lunch only on Sunday.*

## Organization

The conference is organized by the Childrens Hospital St. Marien of Landshut. Key organization contact is

Karl Florian Schettler, M.D., MHBA

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**We are looking forward to see you in Munich!**



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