

Preservation of Cognition and Mobility

Advances in intensive care medicine greatly improved survival rates following critical illness. However, the long-term consequences of these life-saving interventions were generally overlooked, only coming to light in recent years through large prospective studies and systematic analysis of data registers.

Survivors of intensive therapy often suffer from significant limitations. Cognitive disorders, loss of mobility, and psychiatric disorders are among the serious, and sometimes permanent, consequences of intensive care. It is not uncommon that patients remain dependent on organ replacement procedures, such as long-term ventilation. This complex of functional limitations is today collectively known as „Post-Intensive Care Syndrome“ (PICS), while the need for long-term application of intensive care measures is labeled „Chronic Critical Illness (CCI)“. CCI in particular involves long-term stays in intensive care facilities, which often lead to disability.

Germany has a higher density of intensive care beds than any other country, thus proportionally also a greater responsibility in the prevention of long-term consequences associated with intensive care. Aside from mortality, clinical studies are increasingly focusing on functional outcome, so as to evaluate the actual benefits of new interventions more accurately and transparently. In clinical routine, a prescient treatment of patients in respect to the preservation of cognition and mobility is seen as a hallmark of quality in intensive care. This was taken into consideration in the establishment of guidelines, e.g. concerning analgesia, sedation and delirium management, as it was declared by the German Interdisciplinary Association for Intensive and Emergency Medicine (DIVI) as a national quality indicator for intensive care medicine.

The realignment of intensive care medicine poses new scientific, social, and economic challenges. New strategies will be discussed with international experts at the Leopoldina Symposium „The Evolution of Intensive Care“, with the ultimate goal of improving the well-being of our patients.



Leopoldina
Nationale Akademie
der Wissenschaften

Leopoldina-Symposium 2017

The Evolution of Intensive Care Medicine

Registration:
<https://leopoldina-symposium.charite.de>

Charité - Universitätsmedizin Berlin

Contact:
Department of Anesthesiology and Intensive Care Medicine
CCM and CVK, Charité - Universitätsmedizin Berlin
Augustenburger Platz 1
13353 Berlin, Germany
t: +49 30 450551032
email: leopoldina-symposium@charite.de

February 24th & 25th, 2017

Venue
Langenbeck-Virchow-Haus
Luisenstraße 58/59
10117 Berlin, Germany

Chair: Professor Dr. Claudia Spies

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Edited by:
Department for Anesthesiology and Intensive Care Medicine
Charité - Universitätsmedizin Berlin
in Cooperation with the German National Academy of
Sciences Leopoldina
Univ.-Prof. Dr. Claudia Spies (ML) and Dr. Björn Weiss
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The Intensive Connection

February 24th & 25th, 2017

Leopoldina-Symposium: The Evolution of Intensive Care

From recumbency to fully functioning in every day life

Friday, 24th of February 2017

9.00 - 10.30

Opening and Registration

10.30 - 11.30

Scientific Press Conference

11.30 - 12.00

Opening – Representative Leopoldina,
Representative ESICM,
Representative Charité

12.00 - 12.45

Surviving critical illness: A patient's interview

Michael Felli, Gottfried Heinz
Jörg Naumann, Claudia Denke

12.45 - 14.15

Intensive Care 2017: A high price for everyone

Chair: Giuseppe Citerio, Jozef Kesecioglu

- After struggling with death: What's the patient's price for survival? - Nathan Brummel
- What is PICS from the public-health point of view? - Hannah Wunsch
- Multisystem organ failure: Why doctors look at the wrong organs - Hans Flaatten

..... Coffee Break 20'

14.45 - 16.45

Innovations and basic conditions

Chair: Nathan Brummel, Claudia Spies (ML)

- What's the personal price for innovation? Looking back on 10 years of enforcing and managing a new ICU concept - Jozef Kesecioglu
- An economical analysis of intensive care and the time after survival: It's expensive to save at the wrong end - Reinhard Busse
- Designing a healing environment: What's personal and public investment - Thomas Willemeit
- Political decisions: What role does intensive care medicine play - Jean-Daniel Chiche

17.00 - 18.00

Round table: My dream of ICM 2020

Moderation: Christina Berndt

Saturday, 25th of February 2017

9.00 - 11.00

Sleep function and dysfunction

Chair: Margaret Pisani, Ingo Fietze

- Prevention of Delirium by a Modification in ICU Environment - Alawi Lütz
- Delirium and circadian integrity - Margaret Pisani
- Melatonin: Panacea or futile hope? - Kotaro Hatta
- Early goal-directed sedation, pain, agitation and delirium - Yahya Shehabi

..... Coffee Break 20'

11.20 - 13.20

Reduction of stress

Chair: Arjen Slooter, Bernhard Zwißler (ML)

- Glucose utilization and critical illness - Steffen Weber-Carstens
- EEG-based diagnostics of delirium - Arjen Slooter
- GABA-A: The forgotten target - Ullrich Zeilhofer
- Reducing stress, increasing strengths: mobilization and impact on long-term outcome - Nicholas Hart

..... Lunch Break 45'

14.20 - 15.50

Surviving the ICU

Chair: Maria Deja, Yahya Shehabi

- What goes on in the brain: Neuroprotection on the ICU - Georg Winterer
- Regaining strength after ICU - Ursula Müller-Werdan
- Perioperative optimization and postoperative outcome: From alpha to omega - Michael Sander
- How to improve things: A relative's perspective - Nicci Gerrard