



7th World Congress on Pediatric Intensive and Critical Care

4-7 May 2014 | Istanbul, Turkey
www.picc2014.com

World Federation of Pediatric
Intensive & Critical Care Societies

PROGRAM BOOK

Congress Organizer



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Presented by

World Federation of Pediatric Intensive &
Critical Care Societies





8th World Congress on Pediatric Intensive and Critical Care

5-8 June, 2016 | Toronto, Canada

www.picc2016.com

Presented by:

*World Federation of Pediatric Intensive &
Critical Care Societies*



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Congress Organizer:

kenes Healthcare Group
a Kenes Group company



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WELCOME

Dear Colleagues

Welcome to the 7th World Congress on Pediatric Intensive and Critical Care, and to Istanbul, where East meets West!

The program differs from our previous congresses. Our vision is to work and learn as a team. Sessions with the latest interactive technologies will give you, as a delegate, more opportunity to share your experience and increase your knowledge and competencies. We have many sessions in a multidisciplinary format, similar to our daily clinical work where we often work together as physicians, nurses, allied healthcare professionals, children and parents.

By bringing you together in Istanbul as the global pediatric intensive and critical care community, we hope to stimulate colleagues around the world and make an impact on the care of our critically ill and injured children and their families.

We not only welcome you, but also invite you, to share your pioneering ideas, research and knowledge.

We have no doubt you will enjoy and benefit from the innovative and collaborative program we have organized in this exciting location - the city bridging two continents; Europe and Asia.

Best wishes



Prof. Tolga F. Koroğlu

A handwritten signature in dark ink, appearing to read 'Koroğlu'.



Prof. Jos M. Latour

A handwritten signature in dark ink, appearing to read 'J. M. Latour'.

PICC 2014 Congress Chairs

ABOUT WFPICCS

The World Federation of Pediatric Intensive and Critical Care Societies (WFPICCS) was established in Paris, in September 1997. It arose from the vision of several world leaders in the field of pediatric critical care who saw the opportunity to combine international expertise, experience and influence to improve the outcomes of children suffering from life threatening illness and injury.

It was recognized that, by connecting national societies into an international network, they could achieve more than any one nation working alone. They envisioned a global community that would further research and distribute knowledge needed to care for critically ill infants and children. Working together, the Federation can set priorities, provide resources to pursue new knowledge, and link working groups around the world to build on current research. It can also host forums for discussion on how these research findings can be adapted and implemented to provide options for practitioners in a range of settings around the world.

VISION

WFPICCS strives for the worldwide survival of every critically ill and injured child and the wellbeing of its family.

MISSION

- WFPICCS is the leading organization advocating for the care of critically ill and injured children worldwide
- We advance professional knowledge, enhance skills and share best practices
- We are committed to giving each child the best chance for survival and quality of life including its family

VALUES

- I Integrity
- M Mobilization
- P Partnership
- A Accountability
- C Caring
- T Trust

For further information please visit: www.wfpiccs.org

COMMITTEES

INTERNATIONAL ORGANIZING COMMITTEE

Tolga F. Köroğlu, Turkey | Congress Co-Chair
Jos M. Latour, UK | Congress Co-Chair
Paolo Biban, Italy
Niranjan "Tex" Kissoon, Canada
Francoise Martens, Belgium
Huniades Urbina-Medina, Venezuela
Yuko Shiraishi, Japan
Sunit Singhi, India
Nilüfer Yalındağ Öztürk, Turkey
Esra Şevketoğlu, Turkey
Ebru Melek Benligül, Turkey

INTERNATIONAL SCIENTIFIC COMMITTEE

International Scientific Committee Chairs

Andrew Argent, South Africa
Lyvonne Tume, UK
Hayri Levent Yilmaz, Turkey

The Child & Family

Gerri, Sefton, UK | Chair
Yuxia Zhang, China
Robert Truog, USA
Gillian Colville, UK

The Milieu

Kathryn Maitland, Kenya | Chair
Mavilde Pedreira, Brazil
Demet Demirkol, Turkey

The Brain

Tony Figaji, South Africa | Chair
Monique van Dijk, The Netherlands
Agop Çitak, Turkey

The Lung

Brenda Morrow, South Africa | Chair
Martha Curley, USA
Peter Rimensberger, Switzerland
Bo Sun, China

The Heart

Vinay Nadkarni, USA | Chair
Duncan Macrae, UK
Benan Bayrakci, Turkey
Tanil Kendirli, Turkey

The Illness

Niranjan "Tex" Kissoon, Canada | Chair
Eduardo Juan Troster, Brazil
Dinçer Yıldızdaş, Turkey
Suchitra Ranjit, India

The Emergency

Bettina von Dessauer, Chile | Chair
Pang Nguk Lan, Singapore
Itay Shavit, Israel
Murat Duman, Turkey

The Organization

Fenella Gill, Australia | Chair
Swee Fong Tang, Malaysia
Richard Brilli, USA
Mehmet Boşnak, Turkey

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Sunit Singhi, India | President Elect
Minette Coetzee, South Africa | Vice President
Jos M. Latour, UK | Treasurer
Paolo Biban, Italy | Secretary
Andrew Argent, South Africa | Past President



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 Ayşe Berna Anıl, *Turkey*
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 Ahmet Güzel, *Turkey*
 Marisa Herran, *Puerto Rico*
 Patricia Hickey, *USA*
 Adam Himebauch, *USA*
 Betsy Hunt, *USA*
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 Krishna Iyer, *India*
 Paravathi Iyer, *India*
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 M. Jayashree, *India*
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 Patricia Moloney-Harmon, *USA*
 Brenda Morrow, *South Africa*
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 Ricardo Munoz, *USA*
 Ndidi Musa, *USA*
 Vinay Nadkarni, *USA*
 Satoshi Nakagawa, *Japan*
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 Chan Yoke Hwee, *Singapore*
 Wen-Liang Yu, *China*
 Yuxia Zhang, *China*
 Ilhui Zhu, *China*
 Jerry Zimmerman, *USA*

REVIEWERS

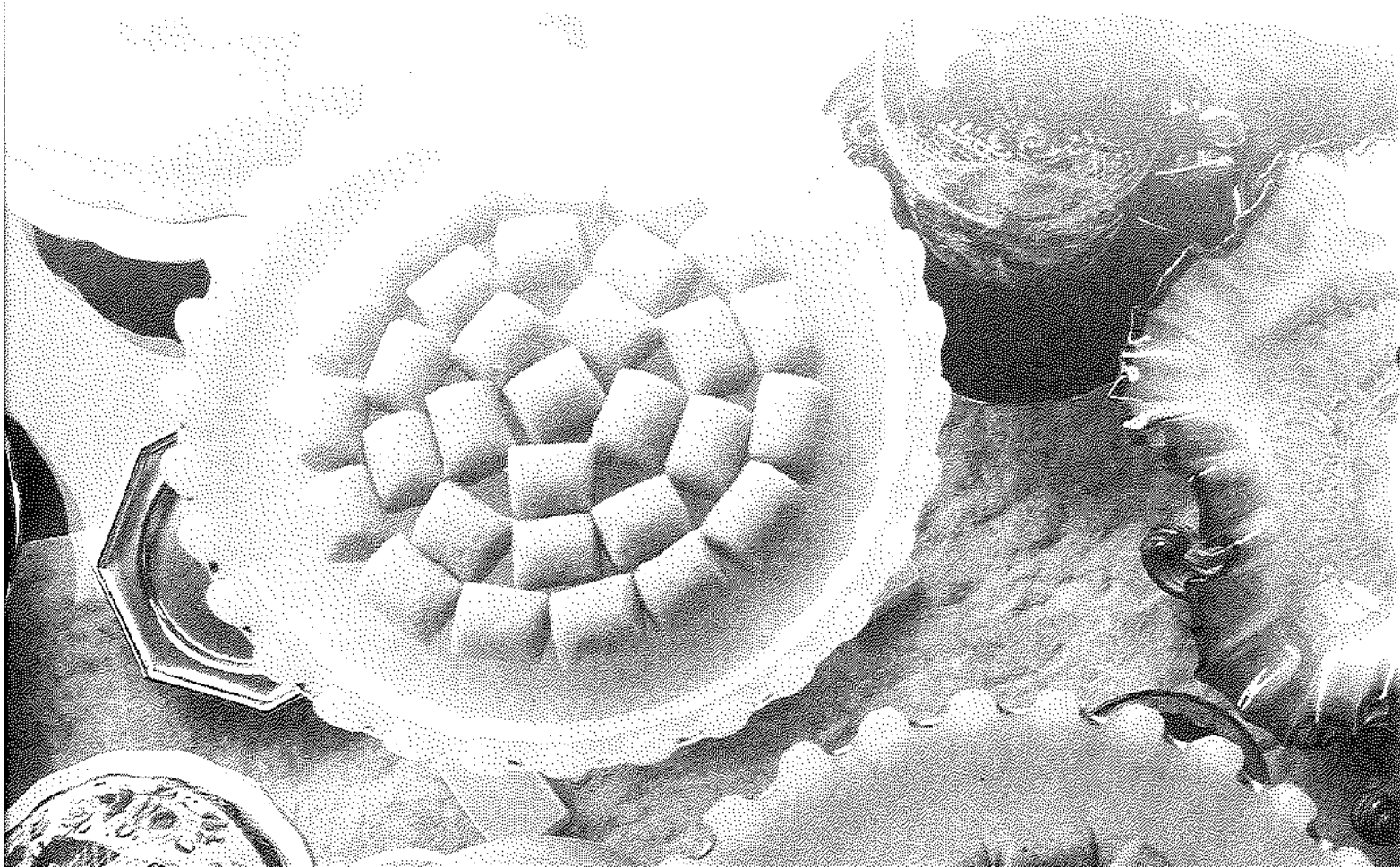
The PICC 2014 Committees thank the following for their hard work and commitment, and for taking time out of their busy schedules, to blind review the abstracts. Your efforts have greatly contributed to the high quality presentations, at this event:

Andrew Argent, *South Africa*
Ebru Benligul, *Turkey*
Paolo Biban, *Italy*
Joe Brierly, *UK*
Jeffrey Burns, *USA*
Joe Carcillo, *USA*
Gabriel Cassalet-Bustillo, *Colombia*
Minette Coetzee, *South Africa*
Gillian Colville, *UK*
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Marjorie de Neef, *The Netherlands*
Demet Demirkol, *Turkey*
Denis Devictor, *France*
Mamoud Elbarbary, *Egypt*
Marino Festa, *Australia*
Tony Figaji, *South Africa*
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Orsola Gawronski, *Italy*
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Robert Truog, *USA*
Nai Shun Tsoi, *Hong Kong*
Lyvonne Tume, *UK*
Huniades Urbina-Medina, *Venezuela*
Monique van Dijk, *The Netherlands*
Bettina von Dessauer, *Chile*
Amelie von Saint Andre, *USA*
Gerhard Wolf, *USA*
Yuxia Zhang, *China*
Jerry Zimmerman, *USA*

BUSINESS MEETINGS

DATE	TIME	MEETING	ROOM/HALL
Saturday, May 3	13:30 - 18:00	WFPICCS Business Meeting	WFPICCS Board Room
Sunday, May 4	08:30-12:30	WFPICCS Business Meeting	WFPICCS Board Room
Monday, May 5	12:30 - 14:00	PICC 2016 Committee Meeting	WFPICCS Board Room
	18:15 - 19:15	Asian Chapter Meeting	D
	16:00 - 17:00	Pediatric Intensive Care Nursing Journal of the International PICU Nursing Association Editorial Board Meeting	WFPICCS Board Room
Tuesday, May 6	12:45 - 13:45	Pediatric Critical Care Medicine Editorial Board Meeting	WFPICCS Board Room



GENERAL INFORMATION

VENUE

Istanbul Congress Center
Taşkışla Street, Harbiye 34367
İstanbul, Turkey

LANGUAGE

English is the official language of the congress. All sessions will be conducted in English, except for the Turkish program, which will be conducted in Turkish.

REGISTRATION

Desks will operate as follows:

Saturday, May 3	07:30 - 17:30
Sunday, May 4	08:30 - 18:30
Monday, May 5	08:30 - 18:15
Tuesday, May 6	08:30 - 17:30
Wednesday, May 7	08:30 - 17:00

NAME TAG

Upon registration you will receive a name tag. All participants are required to wear their name tags throughout the congress in order to gain admittance into the lecture halls and other scheduled activities.

CONGRESS ABSTRACTS

The congress abstracts have been uploaded to an online supplement of PCCM:
www.pccmjournals.com Pediatr Crit Care Med 2014, Volume 15, Number 4 (Suppl).

SCIENTIFIC MOBILE WEBSITE

Information at Your Fingertips

View the scientific program on your personal electronic device. This mobile website is designed for cross platform access via laptops and mobile devices such as smartphones, iPhones, iPads, etc. Access to the website is via an internet browser. Participants have full access to the scientific program, including abstracts. The website has smart search possibilities by session type, hall or presenter name. Plan and personalize your congress schedule, mark sessions, events and presentations you want to attend, and even set personal meetings.



To view the PICC 2014 scientific program on your personal device, please visit <http://picc.meetingxpert.net> or scan the QR code:

For assistance with the mobile website, please contact: support@meetingxpert.net

LIST OF PARTICIPANTS

A list of participants is displayed on the notice board.

CYBER CENTER

Free internet and e-mail facilities will be available in the exhibition area, during the exhibition opening hours. Please be considerate of fellow participants when using these facilities.

EXHIBITION OPENING HOURS

Sunday, May 4	17:00 - end of Welcome Networking Reception
Monday, May 5	10:00 - 16:30
Tuesday, May 6	10:00 - 16:30
Wednesday, May 7	10:00 - 16:00

LUNCH AND BREAKS

Refreshments will be offered in accordance with the breaks indicated on the timetable. Stations will be in the exhibition area.

CERTIFICATE OF ATTENDANCE

A link will be sent to you after the congress, which will advise you how to claim for CME/CPD credits. The certificate you will produce from this link, is applicable for general certificate participation as well.

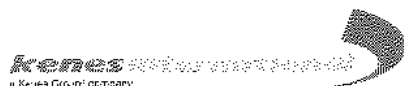
MOBILE PHONES AND PHOTOGRAPHY

Participants are kindly requested to keep their mobile phones switched off or on silent in the session halls and refrain from taking photographs during sessions.

SAFETY AND SECURITY

Please do not leave any bags or suitcases unattended at any time, whether inside or outside session halls. The congress secretariat and organizers cannot accept liability for personal accidents or loss of or damage to private property or participants. Participants are advised to take out their own personal travel and health insurance for their trip.

CONGRESS SECRETARIAT



1-3, rue de Chantepoulet
P.O.Box 1726
CH-1211 Geneva 1
Switzerland
www.kenes.com

ABOUT ISTANBUL

During its long history, Istanbul has served as the Capital of the Roman Empire (330-395), the East Roman (Byzantine) Empire (395-1204 and 1261-1453), the Latin Empire (1204-1261), and the Ottoman Empire (1453-1922). Located in the center of the old world, this exotic city is famous for its historical monuments and scenic views. It is the only city in the world which spreads over two continents: Asia and Europe which are separated by a narrow strait – the Bosphorus.

Istanbul is adorned with the masterpieces of Turkish art, the great mosques of the Sultans that crown the hills. The city presents an exquisite, majestic and serene silhouette from all directions. The Golden Horn, which is a very secure natural harbor, has played a significant role in the development of the city. The historic city of Istanbul is situated on a peninsula flanked on three sides by the Sea of Marmara, the Bosphorus and the Golden Horn.

Although renowned for its mystery and history, Istanbul is also a rapidly modernising country with a prime location; one foot in Europe and one in the Middle East. Thus Istanbul retains its fascinating differences, and its contradictions: mosques coexist with churches, and remnants of the Roman Empire still stand alongside ancient Hittite and Neolithic sites.

While in Istanbul, you may want to discover the Grand Bazaar which is a teeming indoor maze of jewellery, carpets, leather, textiles, and antiques that dates back 500 years. Its sheer size – 65 alleys and more than 4,000 shops – is not for the faint of heart. Get oriented by finding the Old Bedestan, the original marketplace, in the center of the bazaar, and remember that haggling is part of the culture.

For an authentic Turkish bath (this is Turkey, after all!), head to the historic Cağaloğlu Hamam or Çemberlitaş Hamam in the Old City. You will receive a pestemal, or towel, and, after warming up on a hot stone slab for about 10 minutes, expect to be massaged, scrubbed, and soaped up for another 15 minutes, leaving your skin softer than you could ever imagine possible.



INFORMATION FOR PRESENTERS

ORAL PRESENTERS

All oral presenters must check their slides
with the technician at the Speakers Ready Room.

If using a PowerPoint (or any other computer) presentation, please note you need to bring it on a CD, a DVD or on a "disk on key" Memory stick (using the USB port in the computer) and load it on one of the congress' computers in the Speakers' Ready Room, at least 1 hour before the start of the session.

Please note that the congress computers in the session halls are being supplied with Office 2010.

If combining video films with PowerPoint, please make sure to check it in the session hall where your lecture is taking place during a break prior to your session, at least 30 minutes before the start of the session - even after checking it in the Speakers Ready Room.

Alternatively you may supply your own laptop computer. In such a case please confirm that it has a VGA socket for external signal and come to check it first in the Speakers' Ready Room as soon as you arrive and later on in the session hall where your lecture is taking place during the break prior to your session, at least 30 minutes before the start of the session.

Important note for Macintosh users

In order to use MAC presentations on a PC compatible computer please note that you need to prepare it according to the instructions below, before bringing it to the Speakers Ready Room:

1. Use a common font, such as Arial, Times New Roman, Verdana etc. (special fonts might be changed to a default font on a PowerPoint based PC).
2. Insert pictures as JPG files (and not TIF, PNG or PICT - these images will not be visible on a PowerPoint based PC).
3. Use a common movie format, such as AVI and WMV (MOV files from QuickTime will not be visible on a PowerPoint based PC).

Alternatively you may use your own Macintosh laptop computer. In such a case please confirm you provide it with a VGA adaptor for external signal and come to check it first in the Speakers Ready Room as soon as you arrive and later on in the session hall where your lecture is taking place during the break prior to your session, at least 30 minutes before the start of the session.

Please note: VHS Video projection, 35 mm' slide projection and Overhead projection (projection of transparencies) is not available.

POSTER DISCUSSION PRESENTATIONS

	MONDAY, MAY 5 @13:00	MONDAY, MAY 5 @17:30	TUESDAY, MAY 6 @13:00	WEDNESDAY, MAY 7 @13:00
HALL A	Aspects of infection in the PICU ▼	Miscellaneous ▼	Shock (& Renal Injury) ▼	Outcomes ▼
HALL B		Ischemia	Drugs & Seizures	Nursing
HALL C	Hemşirelik ▼	Acil ▼		Shock ▼
HALL D	Nursing & Care ▼	Family & Care ▼	Ethics & Social ▼	Miscellaneous ▼
HALL E	Monitoring ▼	Heart General ▼	Post-op ▼	
HALL F	Training & Resuscitation ▼	EMS/Transport ▼	Infection ▼	Miscellaneous ▼
HALL G	Infection, Fluids & Nutrition ▼	Renal & Hematology ▼	Endocrine ▼	Nursing & Miscellaneous ▼
HALL H	Intubation & Predicting Extubation ▼	Lung Functions & Measurement, Response to Therapy ▼	ARDS & Damage Mechanism ▼	Issues during Therapy ▼
HALL I	Outcomes & Research	Nursing & Training	General & Administrative	Communication & Miscellaneous
STATION 1*	TBI		Yoğun Bakım ▼	Yoğun Bakım ▼

- ▼ The Illness
- ▼ The Child & Family
- ▼ The Milieu

- ▼ The Brain
- ▼ The Heart
- ▼ The Lung

- ▼ The Turkish Program
- ▼ The Emergency
- ▼ The Organization

*Exhibition Area

Presenters please note: No slides are permitted.

E-POSTERS

Come view the PICC 2014 e-posters at the e-poster stations in the exhibition area. Access to e-posters is made easy through the e-poster stations located in the exhibition area. Using a simple search engine and searching by author, name, poster title or key words, participants can quickly and easily access the e-poster they would like to see.

High resolution touch screens provide excellent quality viewing of the posters and allow seamless switching from full view to section view. Participants can browse between posters shown on full screens, selected areas or zoom in specific areas – optimizing your viewing experience.

E-Posters are available for viewing throughout the congress.



NETWORKING EVENTS



WELCOME NETWORKING RECEPTION

SUNDAY, MAY 4 | 17:30

Exhibition Area at the Istanbul Congress Center

All registered participants are invited to attend.

NETWORKING CONGRESS DINNER (OPTIONAL)

TUESDAY, MAY 6 | 20:00

View the historical and stunning scenery of Bosphorus, while networking with your colleagues and friends over dinner, on the Küçük Prens boat.

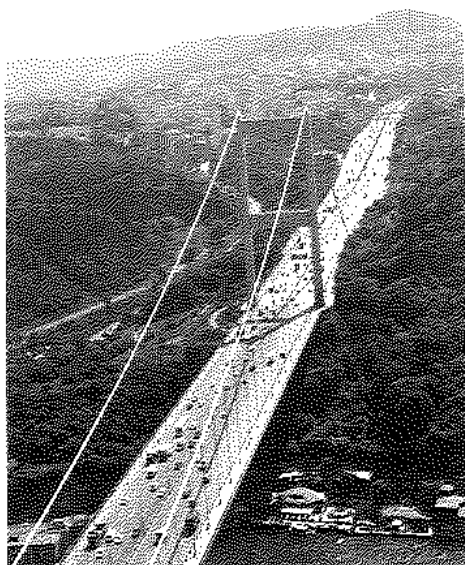
Transportation will be provided from/to the Ramada Plaza Istanbul Hotel and Istanbul Congress Center.

Buses will depart at 19:15 hours. Estimated return is 23:00 hours.

Cost per ticket: € 80

For tickets, please contact the Registration Desk.

Note: Seating is limited and will be sold on a 'first-come, first-serve' basis.



CME/CPD ACCREDITATION

EUROPEAN ACCREDITATION COUNCIL FOR CONTINUING MEDICAL EDUCATION (UEMS/EACCME)

Application has been made to the European Accreditation Council for Continuing Medical Education (EACCME) to provide CME activity for medical specialists for the 7th World Congress on Pediatric Intensive and Critical Care. The EACCME is an institution of the European Union of Medical Specialists (UEMS): www.uems.net

AMERICAN MEDICAL ASSOCIATION (AMA)

Through an agreement between the European Union of Medical Specialists and the American Medical Association, physicians may convert EACCME credits to an equivalent number of AMA PRA Category 1 Credits™. Information on the process to convert EACCME credit to AMA credit can be found at www.ama-assn.org/go/internationalcme

ROYAL COLLEGE OF PHYSICIANS AND SURGEONS OF CANADA

Live educational activities, occurring outside of Canada, recognized by the UEMS-EACCME for ECMEC credits are deemed to be Accredited Group Learning Activities (Section 1) as defined by the Maintenance of Certification Program of The Royal College of Physicians and Surgeons of Canada. For more information, visit: www.royalcollege.ca

TO RECEIVE YOUR CME/CPD CERTIFICATE

All participants will receive notification via e-mail, upon confirmation from EACCME, regarding credits allotted for this event as well as instructions how to proceed to obtain credits. Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity.

DISCLOSURES

In accordance with CME/CPD accreditation criteria and standards for commercial support to ensure balance, independence, objectivity, and scientific rigor in CME/CPD activities, those in control of the educational content must disclose potential or actual conflicts of interest, whether due to a financial or other relationship. A copy of the disclosures can be obtained from the registration desk.

TIMETABLE AT A GLANCE

LEGEND COURSES AND MAY 4 SESSIONS

ECMO	IPSS	NIV	Ultrasound
CRRP	Nurse Science	Session	

SCIENTIFIC PROGRAM - MAY 5-7

The Illness	The Brain	The Turkish Program	The Child & Family
The Heart	The Emergency	The Milieu	The Lung
The Organization	Moral Distress & Team	PCCM Award Abstracts	Industry Symposium

*Station 1 is in the Exhibition Area

SATURDAY, MAY 3, 2014 | | HALL B | HALL C | HALL D | HALL E | |--|--------|--------|--------|--------| |--|--------|--------|--------|--------|

08:00-08:30
08:30-09:00
09:00-17:00
17:00-17:15
17:15-17:30
17:30-18:30

ECMO

NIV

IPSS - Pediatric Simulation
Instructor Workshop

Ultrasound

SUNDAY, MAY 4, 2014 | | HALL A | HALL B | HALL C | HALL D | HALL E | HALL F | HALL G | HALL H | |--|--------|--------|--------|--------|--------|--------|--------|--------| |--|--------|--------|--------|--------|--------|--------|--------|--------|

08:00-08:30
08:30-09:00
09:00-14:00
14:00-15:00
15:00-16:30
16:30-17:00
17:00-17:15
17:15-17:30
17:30

ECMO

SSPSI-
SLACIP
Meeting

IPSS -
Pediatric
Simulation
Instructor
Workshop

Ultrasound

NIV

Chinese & Int'l
Pediatric Critical
Care

CRRT

Nurse Science

Welcome Networking Reception (Exhibition Area)

MONDAY, MAY 5, 2014										
	HALL A	HALL B	HALL C	HALL D	HALL E	HALL F	HALL G	HALL H	HALL I	STATION 1*
	THE ILLNESS	THE BRAIN	TURKISH PROGRAM	THE CHILD & FAMILY	THE HEART	THE EMERGENCY	THE MILIEU	THE LUNG	THE ORGANIZATION	
09:00-10:30	Sepsis & Guidelines	Brain & Guidelines	Yandali ve Hemşire Egilimleri Neredeyiz?	Child & Parents	Heart & Beyond	Arrival & Actions	Nutrition & Steroids	Lung & Basics	Training & Education	
10:30-11:00	Tea/Coffee Break, Poster Viewing & Visit the Exhibition									
11:00-12:30	Infections & Impact	Neuro & Research	Eğitimde Simülasyon	Family & Staff	ECMO & Performance	Oxygen & Planning	Saline & Glucose	Ventilation & Comfort	Quality & Safety	
12:30-13:00	Lunch Break, Poster Viewing & Visit the Exhibition									
13:00-13:45	Poster Discussions: Aspects of Infection in the PICU	Industry Symposium: not included in main event CME/CPD credit (12:45-13:45)	Poster Discussions: Hemşirelik	Poster Discussions: Nursing & Care	Poster Discussions: Monitoring	Poster Discussions: Training & Resuscitation	Poster Discussions: Infection, Fluids & Nutrition	Poster Discussions: Intubation & Predicting Extubation	Poster Discussions: Outcomes & Research	Poster Discussions: TBI
13:45-14:00	Lunch Break, Poster Viewing & Visit the Exhibition									
14:00-15:30	Sepsis & World	ICP & Cooling	Acil Radyoloji	Memories & Desires	Heart & Family	Disasters & Challenges	Fluids & Outcome	Scoring & Measures	Quality & Outcomes	
15:30-16:00	Tea/Coffee Break, Poster Viewing & Visit the Exhibition									
16:00-17:30	Sepsis 1	Neuro Critical Care	Intensive Care	Child Care & End-of-Life	Organ Support	World of Emergencies	Therapies & Outcomes	ARDS & Outcome	Monitoring Performance	
17:30-18:15	Poster Discussions: Miscellaneous	Poster Discussions: Ischemia	Poster Discussions: Acil	Poster Discussions: Family & Care	Poster Discussions: Heart General	Poster Discussions: EMS/Transport	Poster Discussions: Renal & Hematology	Poster Discussions: Lung Functions & Measurement Response to Therapy	Poster Discussions: Nursing & Training	

TUESDAY, MAY 6, 2014

Networking Congress Dinner (Optional) | Küçük Prens Boat
(Buses depart at 19:15 hours)

Networking Congress Dinner (Optional) | Küçük Prens Boat
(Buses depart at 19:15 hours)

WEDNESDAY, MAY 7, 2014

WEDNESDAY, MAY 7, 2014									
HALL A	HALL B	HALL C	HALL D	HALL E	HALL F	HALL G	HALL H	HALL I	STATION 1*
THE ILLNESS	THE BRAIN	PCCM AWARD ABSTRACTS	THE CHILD & FAMILY	THE HEART	THE EMERGENCY	THE MILIEU	THE LUNG	THE ORGANIZATION	
SIRS & Suppression	Networks & Teams	Pediatric Critical Care Medicine Awards	Parents & Empowerment	Cardiac & Challenges	Donation & End-Points	Right Care & Right Time	Ventilation & Challenges	Environment & Outcome	
Tea/Coffee Break, Poster Viewing & Visit the Exhibition									
Sepsis & Challenges	Coma & Challenges	Moral Distress & Team	Family & Challenges	Skills & Tele-medicine	Resuscitation & Challenges	Milieu & Challenges	Respiratory Monitoring	Education & Challenges	
Lunch Break, Poster Viewing & Visit the Exhibition									
Poster Discussions: Outcomes	Poster Discussions: Nursing	Poster Discussions: Shock	Poster Discussions: Miscellaneous	USCOM Workshop (12:40-13:50)	Poster Discussions: Miscellaneous	Poster Discussions: Nursing & Miscellaneous	Poster Discussions: Issues during Therapy	Poster Discussions: Communication & Miscellaneous	Poster Discussions: Yagur Bakim
Lunch Break, Poster Viewing & Visit the Exhibition									
Sepsis & Outlook	Neuro Care & Outlook		Psychosocial Care & Outlook	Heart & Outlook	Emergency & Outlook	Milieu & Outlook	Respiratory Support & Outlook	Professionalism & Outlook	
Tea/Coffee Break, Poster Viewing & Visit the Exhibition									
Pediatric Intensive & Critical Care: Around the World in 25 Years Closing									



COURSES

Saturday, May 3 & Sunday, May 4



SATURDAY MAY 3

EXTRACORPOREAL MEMBRANE OXYGENATION (ECMO) HALL B | SATURDAY, MAY 3, 2014

WFPICCS in partnership with ELSO

Faculty:

Melania Bembea, USA
Derek Best, Australia
Sandra Buttram, USA
Heidi Dalton, USA
Laurance Lequier, Canada
David Michael McMullan, USA
Lillian Su, USA

EQUIPMENT

08:00 - 08:15	Welcome & introduction Lillian Su, USA
08:15 - 09:00	The basics in a circuit (Discussion of options for each component & pro/cons of each option) Derek Best, Australia
09:00 - 09:30	VA v. VV Heidi Dalton, USA
09:30 - 10:00	Monitor devices for the circuit Derek Best, Australia
10:00 - 10:15	Tea/coffee break
10:15 - 11:30	Cannula choices & strategies – a surgeon's perspective David Michael McMullan, USA
11:30 - 12:00	Q&A
12:00 - 13:00	Lunch break

EXTRACORPOREAL MEMBRANE OXYGENATION (ECMO) HALL B 1 SATURDAY, MAY 3, 2014 (CONT.)

WFPICCS in partnership with ELSO

ALL ABOUT THE PATIENT

13:00 - 14:00 Creating a cannulation simulation
David Michael McMullan, USA

PATIENT SELECTION & CRITERIA – WHAT HISTORY TELLS US (WHO DOES WELL & WHO DOESN'T)

14:00 - 14:30 Resp selection
Heidi Dalton, USA

14:30 - 15:00 Cardiac
David Michael McMullan, USA

15:00 - 15:30 Tea/coffee break

15:30 - 16:00 eCPR
Lillian Su, USA

16:00 - 16:30 Adjuncts to patient care (When I bronch/get a CT/EEG/ etc.)
Melania Bembea, USA

16:30 - 17:15 Q&A from the day

PATIENT MANAGEMENT EXTRACORPOREAL MEMBRANE OXYGENATION (ECMO) HALL B | SUNDAY, MAY 4, 2014

DIDACTICS

08:00 - 08:15	Introduction to the day Lillian Su, USA	
08:15 - 09:00	Anticoagulation & blood products Laurance Lequier, Canada	
09:00 - 09:30	Ventilation Sandra Buttram, USA	
09:30 - 10:00	Basics (nutrition, sedation & drug dosing) Sandra Buttram, USA	
10:00 - 10:30	Tea/coffee break	
10:30 - 11:00	Training & competencies: what you need to know Lillian Su, USA	
11:00 - 11:45	Dialysis & plasma exchange- where do I hook it up? And when is it indicated Laurance Lequier, Canada	
11:45 - 12:00	Q&A	
12:00 - 13:00	Lunch break	
13:00 - 13:30	Weaning & decannulation - how do you know when? Heidi Dalton, USA	
13:30 - 15:00	CASE STUDIES GROUP A Sandra Buttram, USA Lillian Su, USA Melania Bembea, USA	HANDS ON STATIONS GROUP B David Michael McMullan, USA Laurance Lequier, Canada Heidi Dalton, USA Derek Best, Australia
15:00 - 15:30	Tea/coffee break	
15:30 - 17:00	CASE STUDIES GROUP B Sandra Buttram, USA Lillian Su, USA Melania Bembea, USA	HANDS ON STATIONS GROUP A David Michael McMullan, USA Laurance Lequier, Canada Heidi Dalton, USA Derek Best, Australia
17:00 - 17:30	Q&A	

SIMULATION

HALL C | SATURDAY, MAY 3, 2014

WFPICCS in partnership with IPSS

Faculty:

Meredith Allen, Australia
David Grant, UK
Elizabeth A. Hunt, USA
Ralph MacKinnon, UK
Stephanie Sudikoff, USA
Peter Weinstock, USA

BUILDING A STRONG FOUNDATION FOR LEARNING

09:00 - 09:30	Welcome & Introductions Peter Weinstock, USA, Ralph MacKinnon, UK
09:30 - 10:30	How do adults learn best? Ralph MacKinnon, UK
10:30 - 11:00	Tea/coffee break
11:00 - 12:00	Simulation as behavioural psychology (Human factors/non-technical skills) Stephanie Sudikoff, USA
12:00 - 13:00	Lunch break & 'Ask the Experts QA session – How do you run one of these simulations?'
13:00 - 13:30	The simulation program design process "lets talk reality" Peter Weinstock, USA
13:30 - 14:15	Reality Workshop 1: "Learning objectives, simulation triggers & assessment" Covering: Learning objectives, technologies & simulation triggers & assessment (how one identifies & measures behaviors)
14:15 - 15:00	Reality Workshop 2: "Scenario considerations" Covering: Yerkes-Dodson learning curve, fidelity/reality, orientation/ pre-brief & roles
15:00 - 15:15	Tea/coffee break
15:15 - 16:00	Reality Workshop 3. "Scenario Designing – Putting it all together" Covering: Creating scenarios – objectives to termination
16:00 - 17:00	Reflections & discussion

SIMULATION

HALL C | SUNDAY, MAY 4, 2014

WFPICCS in partnership with IPSS

SIMULATION IS ONLY AN EXCUSE TO DEBRIEF

09:00 - 09:30	Welcome & review day one key points Peter Weinstock, USA, Ralph MacKinnon, UK
09:30 - 10:30	Lets talk about debriefing "Debriefing as a learning conversation" David Grant, UK
10:30 - 11:00	Tea/coffee break
11:00 - 12:00	Simulation Exercise to set the scene: Management of a child with sepsis
12:00 - 13:00	Lunch break & 'Ask the experts QA session – How do you run one of these simulations?'
13:00 - 14:00	Debriefing Workshop 1: "Debriefing principles" Covering: Covering advocacy-Inquiry, debriefing with good judgment, closing the performance gap (hands-on practice)
14:00 - 15:00	Debriefing Workshop 2: "The bigger picture" Covering: Psychological safety, identifying actions & results, the debrief structure
15:00 - 15:30	Tea/coffee break
15:30 - 16:30	Reality Workshop 3: "Putting the debrief together" Covering: Components of an effective debrief & personal skills/techniques to develop (pitfalls, active listening, benefits of silence, effective questions to promote reflection & using AV effectively)
16:30 - 17:00	Reflections & Closure

NONINVASIVE VENTILATION COURSE (NIV)

HALL D I SATURDAY, MAY 3, 2014

WFPICCS in partnership with ESPNIC

Faculty:

Demet Demirkol, Turkey

Sandrine Essouri, France

Alberto Medina, Spain

Christophe Milési, France

Martí Pons-Odena, Spain

N. Yalindag-Öztürk, Turkey

08:30 - 08:45	Introduction
09:00 - 09:30	Physiologic basis to understand how NIV works
09:30 - 10:00	What do you need to begin NIV in PICU?
10:00 - 10:15	Tea/coffee break
10:15 - 10:30	Modes
10:30 - 11:00	NIV setting. Conventional/specific ventilator
11:00 - 12:30	Skill station: Paediatric NIV (2 groups)
12:30 - 13:30	Lunch break
13:30 - 14:00	What do you need to begin NIV in NICU. Setting parameters
14:00 - 14:30	Synchrony in NIV
14:30 - 17:00	Skill station: Neonates
	Skill station: Infant/Helmet
17:00 - 18:30	Skill station: Neonates
	Skill station: Infant/Helmet

COURSE - SUNDAY MAY 4

NONINVASIVE VENTILATION COURSE (NIV) **HALL D | SUNDAY, MAY 3, 2014**

WFPICCS in partnership with ESPNIC

08:00 - 08:30	Curves show information
08:30 - 09:00	Monitoring & predictive factors for failure
09:00 - 10:00	Asthma, postextubation respiratory failure. Pneumonia, ARDS treated with NIV Bronchiolitis treated with NIV
10:00 - 10:30	Tea/coffee break
10:30 - 11:30	Failure analysis (asynchrony)
11:30 - 12:15	Failure analysis (hypoxemia/hypercapnia)
12:15 - 13:15	Lunch break
13:15 - 14:00	Nursing staff/ respiratory therapist point of view
14:00 - 15:00	Summary & algorithms
15:00 - 17:30	Skill station: Failure analysis
17:30	Formal closing

CRITICAL CARE ULTRASOUND HALL E | SATURDAY, MAY 3, 2014

Faculty:

Jeff Burzynski, Canada
Thomas Conlon, USA
Mahmoud ElBarbary, Saudi Arabia
Adam Himebauch, USA
Joan Sanchez de Toledo, Spain
Ghassan Shaath, Saudi Arabia

09:00 - 09:10	Welcome/Introduction
09:10 - 09:30	Basics/Knobology
09:30 - 09:45	Review of shock/CV physiology
09:45 - 10:00	Resp. physiology applying to ultrasound
10:00 - 10:15	Tea/coffee break
10:15 - 10:45	Basics of fluid resuscitation/volume assessment
10:45 - 12:15	Hands-on sessions
12:15 - 13:30	Lunch break
13:30 - 14:00	Ultrasound approach to pediatric shock
14:00 - 14:30	Approach to resp. failure with ultrasound
14:30 - 15:00	Approach to GI disease in ICU with ultrasound
15:00 - 15:15	Tea/coffee break
15:15 - 17:00	Hands-on sessions

CRITICAL CARE ULTRASOUND HALL E | SUNDAY, MAY 4, 2014

09:00 - 09:30	Approach to the pediatric trauma patient
09:30 - 10:00	Cardiac arrest management with POCUS
10:00 - 10:15	Tea/coffee break
10:15 - 10:45	Vascular access & other procedures
10:45 - 12:45	Hands-on sessions
12:45 - 13:30	Lunch break
13:30 - 14:00	How to integrate u/s into daily critical care practice
14:00 - 14:30	How to start an u/s program in your institution
14:30 - 15:00	Educational/accreditation issues with POCUS
15:00 - 15:30	Tea/coffee break
15:30 - 16:30	Interesting cases
16:30 - 17:30	Meet the experts/Hands-on sessions

PEDIATRIC CONTINUOUS RENAL REPLACEMENT THERAPY HALL G | SATURDAY, MAY 3, 2014

Faculty:

Benan Bayrakci, Turkey
Timothy Bunchman, USA
Akash Deep, UK
Norma J. Maxvold, USA
Umut Selda Bayrakci, Turkey

08:00 - 08:30 Welcome
Akash Deep, UK, Timothy Bunchman, USA

BASICS OF CRRT

08:30 - 08:45 Terminology
Umut Selda Bayrakci, Turkey
08:45 - 09:00 Machinery
Akash Deep, UK
09:00 - 09:15 Membranes
Timothy Bunchman, USA
09:15 - 09:30 Solutions
Benan Bayrakci, Turkey
09:30 - 09:45 Access
Timothy Bunchman, USA
09:45 - 10:00 Prescriptions
Akash Deep, UK

10:00 - 10:30 Tea/coffee break

COMPLICATIONS OF CRRT

10:30 - 10:45 Nutritional losses
Norma J. Maxvold, USA
10:45 - 11:00 Medication dosing
Timothy Bunchman, USA

ANTICOAGULATION

11:00 - 11:30 Heparin vs prostacyclin vs citrate
Benan Bayrakci, Turkey vs Akash Deep, UK vs Timothy Bunchman, USA
11:30 - 12:00 CRRT in AKI
Umut Selda Bayrakci, Turkey

12:00 - 13:00 Lunch break

DATE: SATURDAY MAY 3

PEDIATRIC CONTINUOUS RENAL REPLACEMENT THERAPY HALL G 1 SATURDAY, MAY 3, 2014 (CONT.)

CRRT IN SPECIFIC CONDITIONS

13:00	Sepsis Benan Bayrakci, Turkey
13:25	Liver disease Akash Deep, UK
13:50	ECMO Norma J. Maxvold, USA
14:15 - 14:30	Q&A
14:30 - 15:00	CRRT in inborn errors of metabolism Timothy Bunchman, USA
15:00 - 15:30	Tea/coffee break
15:30 - 16:30	Case discussions

**WFPICCS CLINICAL SCIENCE COURSE SUPPORTING
THE PRACTICE OF PEDIATRIC CRITICAL CARE NURSING
HALL H | SUNDAY, MAY 4, 2014**

Faculty:

Minette Coetzee, South Africa
Martha Curley, USA
Patricia Hickey, USA
Sharon Kinney, Australia
Jos Latour, UK
Mavilde Pedreira, Brazil
Gerri Sefton, UK
Lauren Sorce, USA
Lyvonne Tume, UK
Anna Claudia Vieira, Brazil

09:00 - 09:30	Welcome & Introduction Current state-of-the-art & recommendations for future research Martha Curley, USA
09:30 - 09:50	Diagnosing & managing life-sustaining physiologic functions Lauren Sorce, USA
09:50 - 10:10	Skilled know how of managing crisis Gerri Sefton, UK
10:10 - 10:30	Providing comfort measures Minette Coetzee, South Africa
10:30 - 11:00	Tea/coffee break
11:00 - 11:20	Caring for patients families Jos Latour, UK
11:20 - 11:40	Preventing hazards in a technological environment Lyvonne Tume, UK
11:40 - 12:30	Discussion on morning topics Martha Curley, USA, Lauren Sorce, USA, Gerri Sefton, UK, Minette Coetzee, South Africa, Jos Latour, UK, Lyvonne Tume, UK
12:30 - 13:30	Lunch break, networking & voting on morning topics

SUNDAY MAY 4

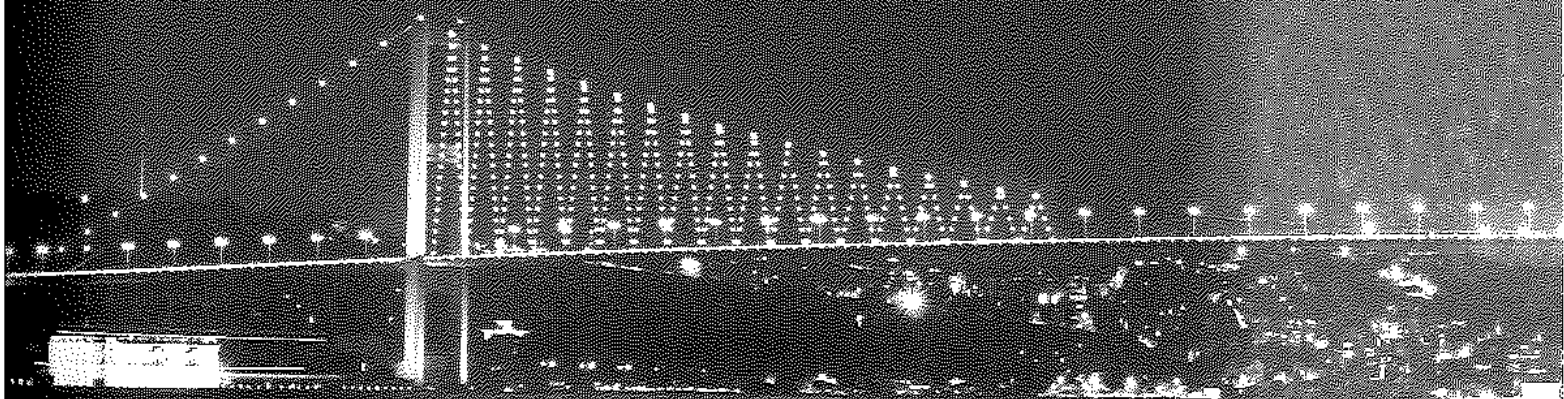
**WFPICCS CLINICAL SCIENCE COURSE SUPPORTING
THE PRACTICE OF PEDIATRIC CRITICAL CARE NURSING
HALL H | SUNDAY, MAY 4, 2014 (CONT.)**

13:30 - 13:50	Facing death: end of life care & decision-making Anna Claudia Vieira, Brazil
13:50 - 14:10	Making a case: Communicating clinical assessments & improving teamwork Sharon Kinney, Australia
14:10 - 14:30	Patient safety: Monitoring quality, preventing & managing breakdown Mavilde Pedreira, Brazil
14:30 - 14:50	Skilled know-how of clinical & moral leadership & the coaching & mentoring of others Patricia Hickey, USA
14:50 - 15:10	Tea/coffee break
15:10 - 16:00	Discussion on afternoon topics Martha Curley, USA, Lyvonne Tume, UK, Anna Claudia Vieira, Brazil, Sharon Kinney, Australia, Mavilde Pedreira, Brazil, Patricia Hickey, USA
16:00 - 16:30	Voting on afternoon topics
16:30 - 17:00	Final voting & summary Martha Curley, USA



SCIENTIFIC PROGRAM

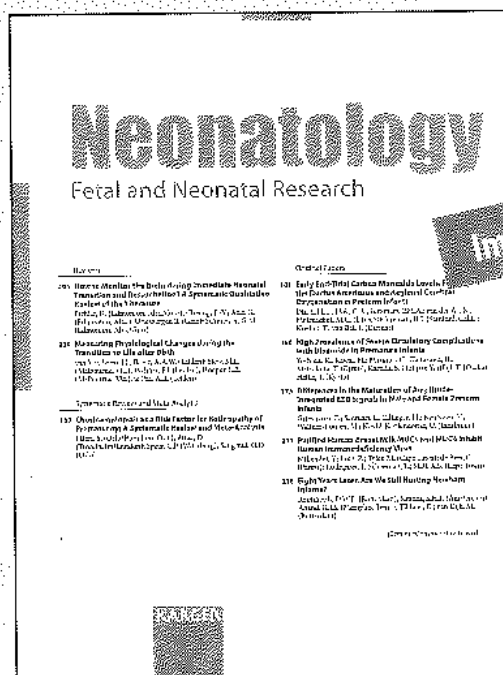
Sunday, May 4



Fetal and neonatal research:
from basic science to clinical practice

Neonatology

Editors-in-Chief
H.L. Halliday Belfast
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KARGER

9:00 - 17:15

Hall A

7th SSPSPI-SLACIP Meeting

	7TH SSPSPI	1
	Coordinator: P. Celiny Ramos García (<i>Brazil</i>)	
9:00	GET-TOGETHER	
9:15	OPENING CEREMONY: GREETINGS BY SLACIP PRESIDENT	2
	H. Urbina-Medina (<i>Venezuela</i>)	
	ORGANIZATION AND IMPLEMENTING ECMO SERVICES IN LATIN AMERICA	
9:30	HOW TO BEGIN AND ORGANIZE A SUCCESSFUL ECMO GROUP IN LATIN AMERICAN COUNTRIES	3
	J. Thomas (<i>USA</i>)	
10:00	EXPERIENCE OF THE SHAIQ CLINIC ECMO GROUP	4
	G. Cassalett-Bustillo (<i>Colombia</i>)	
10:15	EXPERIENCE OF THE ROBERTO DEL RÍO HOSPITAL, SANTIAGO DE CHILE	5
	B. von Dessauer (<i>Chile</i>)	
10:30	PREDICTIVE VALUE OF THE ORGANIC DYSFUNCTION LOGISTIC SCORE	
	S.F. Irías (<i>Honduras</i>)	6
	F. Ordoñez (<i>Honduras</i>)	7
	L. Munguía (<i>Honduras</i>)	8
	M.F. Rivera (<i>Honduras</i>)	9

10:45	COMPARISON BETWEEN CLINICAL CRITERIA AND AUTOPSY RESULTS OF ARDS IN PEDIATRIC PATIENTS	
	L.C. Maya (<i>Colombia</i>)	10
	P.S.H. Jaramillo (<i>Colombia</i>)	11
	P. Vásquez (<i>Colombia</i>)	12
	J. Godoy (<i>Colombia</i>)	13
11:00	TEA/COFFEE BREAK	
11:30	MEASUREMENT OF SUCCESS AND FAILURE OF ORAL INTUBATION IN A PEDIATRIC INTENSIVE CARE UNIT	
	L.M. Izquierdo (<i>Colombia</i>)	14
	M.C. de la Hoz (<i>Colombia</i>)	15
	A. Lara (<i>Colombia</i>)	16
	M.C. Guzmán (<i>Colombia</i>)	17
	A. Colmenares (<i>Colombia</i>)	18
11:45	EXPERIENCE IN NON-INVASIVE VENTILATION IN DENGUE PATIENTS IN A PEDIATRIC INTENSIVE CARE UNIT	
	H.J. Jiménez (<i>Paraguay</i>)	19
	D. Nuñez (<i>Paraguay</i>)	20
	L. Delgadillo (<i>Paraguay</i>)	21
	S. Alonso (<i>Paraguay</i>)	22
	S. Quiñónez (<i>Paraguay</i>)	23
	R. Samaniego (<i>Paraguay</i>)	24
	M. Ozuna (<i>Paraguay</i>)	25

12:00	CLINICAL CHARACTERISTICS OF THE SHOCK SYNDROME IN DENGUE	
	J. Acuna (<i>Paraguay</i>)	26
	D. Lovera (<i>Paraguay</i>)	27
	S. Ledesma (<i>Paraguay</i>)	28
	C. Avalos (<i>Paraguay</i>)	29
	S. Amarilla (<i>Paraguay</i>)	30
	N. González (<i>Paraguay</i>)	31
	M.J. Mezquita (<i>Paraguay</i>)	32
	S. Apodaca (<i>Paraguay</i>)	33
	C. Aguiar (<i>Paraguay</i>)	34
	C. Martínez de Cuellar (<i>Paraguay</i>)	35
	A. Arbo (<i>Paraguay</i>)	36
12:15	ALTERATIONS OF THE LIPID PROFILE IN CRITICALLY ILL PEDIATRIC PATIENTS WITH SEPSIS	
	A.G. Bermudes (<i>Brazil</i>)	37
	J. Ferranti (<i>Brazil</i>)	38
	G. Muramoto (<i>Brazil</i>)	39
	W.B. de Carvalho (<i>Brazil</i>)	40
	A.F. Delgagdo (<i>Brazil</i>)	41

12:30	EFFECT OF POSITIVE FLUID BALANCE IN INFANTS LESS THAN ONE YEAR OLD WITH VIRAL BRONCHIOLITIS ON MECHANICAL VENTILATION	
	P.C. Garcia <i>(Brazil)</i>	42
	C. Korb <i>(Brazil)</i>	43
	J. Piva <i>(Brazil)</i>	44
	R. Branco <i>(Brazil)</i>	45
	P.R. Einloft <i>(Brazil)</i>	46
	F. Bruno <i>(Brazil)</i>	47
	A.A. Fucks <i>(Brazil)</i>	48
	C. Toscan <i>(Brazil)</i>	49
	L. Brose <i>(Brazil)</i>	50
	R.M. Dall'Agnese <i>(Brazil)</i>	51
	S. Escudero <i>(Brazil)</i>	52
	R.M. Mattiello <i>(Brazil)</i>	53
12:45	FACTORS ASSOCIATED WITH MORTALITY AFTER THE RECOVERY OF SPONTANEOUS CIRCULATION IN PATIENTS WITH IN-HOSPITAL CARDIAC ARREST IN CHILDREN	
	J. López-Herce <i>(Spain)</i>	54
	J. del Castillo <i>(Spain)</i>	55
	M. Matamoros <i>(Spain)</i>	56
	S. Canadas <i>(Spain)</i>	57
	A. Rodriguez-Calvo <i>(Spain)</i>	58
	C. Cecchetti <i>(Spain)</i>	59
	A. Rodriguez-Núñez <i>(Spain)</i>	60
	A.C. Alvarez <i>(Spain)</i>	61
	y la Red Iberoamericana de estudio de la Parada Cardiaca en al Infancia	

13:00 **LUNCH BREAK**

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Pediatric Critical Care International Network Collaboration

SUPPORTED BY WFPICCS

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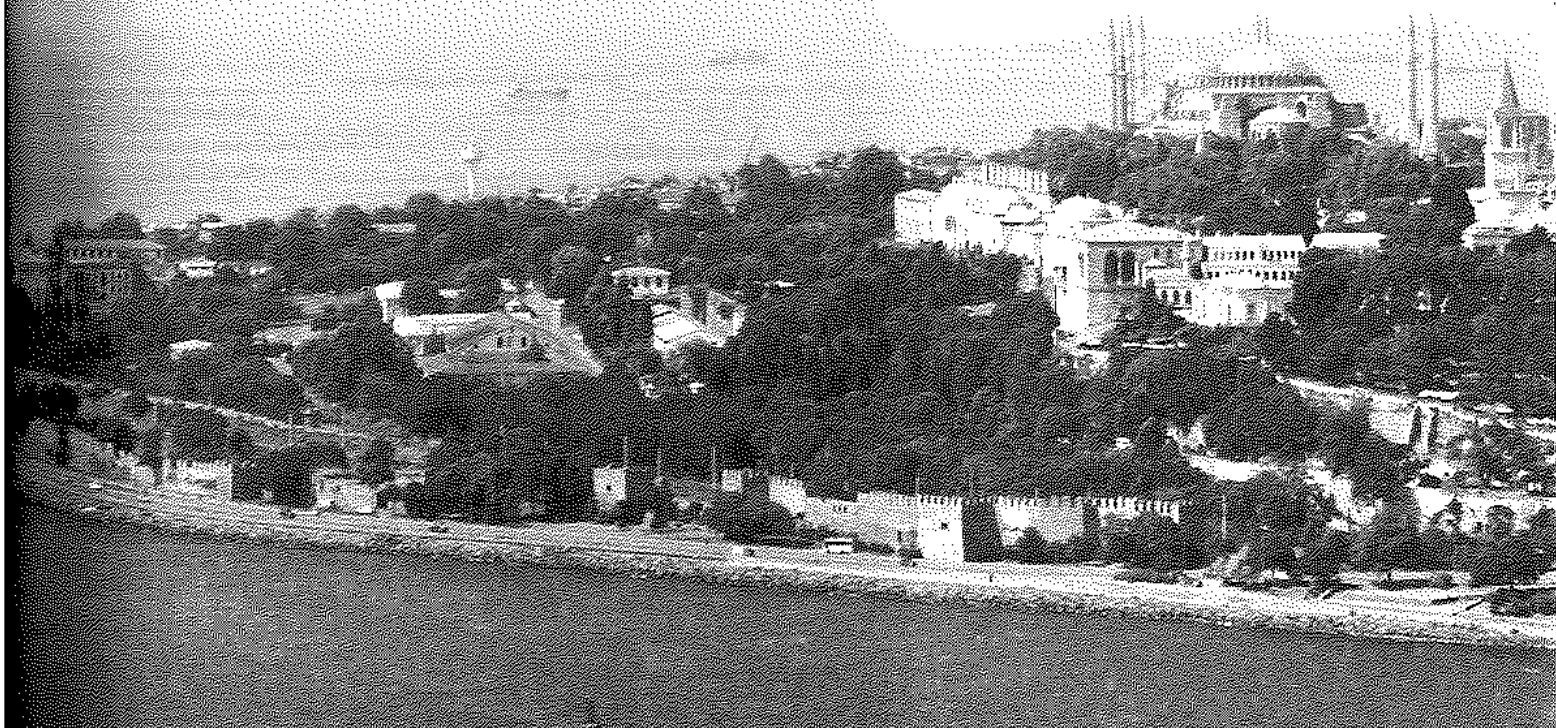
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SCIENTIFIC PROGRAM

Wednesday, May 7



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10:30	TEA/COFFEE BREAK, POSTER VIEWING AND VISIT THE EXHIBITION	

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	A. Argent (South Africa)	
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	N. Shime (<i>Japan</i>)	
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	B. von Dessauer (<i>Chile</i>)	
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THE ILLNESS: Sepsis & Challenges

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	E.J. Troster (<i>Brazil</i>)	590
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	J. Carcillo (<i>USA</i>)	
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	P. Baines (<i>United Kingdom</i>)	
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Hall C

Moral Distress & Team

Organizer:	D. Garros (<i>Canada</i>)	599
Chairpersons:	D. Garros (<i>Canada</i>)	600
	M. Pedreira (<i>Brazil</i>)	601

MORAL DISTRESS IN PICU TEAMS: A MOVIE PRESENTATION "JUST KEEP BREATHING"

FOLLOWED BY A DEBATE

Panelists:	D. Garros (<i>Canada</i>)	602
	M. Pedreira (<i>Brazil</i>)	603
	P. Conradi (<i>Canada</i>)	604

Objectives:

- Discuss the definition of Moral Distress?
and why it is NOT Moral Dilemma or Burnout
- Review the most common reasons for moral distress in PICU
- Can we prevent Moral Distress? Can we eliminate it?
Or should we resolve it, or just deal with it?

12:30

LUNCH, POSTER VIEWING AND VISIT THE EXHIBITION

11:00 - 12:30

Hall D

THE CHILD AND FAMILY: Family & Challenges

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	A.O. King (<i>Sierra Leone</i>)	606
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	P. Nguk Lan (<i>Singapore</i>)	
11:30	PARENTS ACTIVATING RAPID RESPONSE TEAM	608
	S. Kinney (<i>Australia</i>)	
12:00	PARENTAL PARTICIPATION: ACCEPT BECAUSE OF LIMITED STAFF RESOURCES?	609
	M. Jayashree (<i>India</i>)	
12:30	LUNCH, POSTER VIEWING AND VISIT THE EXHIBITION	

11:00 - 12:30

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	N. Shime (<i>Japan</i>)	
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	R. Munoz (<i>USA</i>)	
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11:00 - 12:30

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	G. Lu (China)	616
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	M. Festa (Australia)	
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	F. Ordóñez (Honduras)	
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	P. Laussen (Canada)	
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11:00 - 12:30

Hall G

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	A. von Saint Andre (USA)	
12:00	MAINTAINING A STABLE ENVIRONMENT (MILEU) FOR THE CRITICALLY ILL CHILD: A NURSING PERSPECTIVE	624
	M. Coetzee (South Africa)	
12:30	LUNCH, POSTER VIEWING AND VISIT THE EXHIBITION	

11:00 - 12:30**Hall H****THE LUNG: Respiratory Monitoring**Chairpersons: S. Jacobe (*Australia*) 625P. Jouvét (*Canada*) 62611:00 **MONITORING IN RESPIRATORY FAILURE: EIT, EDI, CO₂, ULTRASOUND** 627M. Elbarbary (*Egypt*)11:30 **MONITORING DURING LONG TRANSPORTS: WHAT ARE THE MINIMUMS FOR SAFETY** 628G. Nuthall (*New Zealand*)12:00 **UPDATE ON THE PEDIATRIC ACUTE LUNG INJURY CONSENSUS CONFERENCE** 629P. Jouvét (*Canada*)12:30 **LUNCH, POSTER VIEWING AND VISIT THE EXHIBITION****11:00 - 12:30****Hall I****THE ORGANIZATION: Education & Challenges**Chairpersons: P. Hickey (*USA*) 630Y. Zhang (*China*) 63111:00 **CHALLENGES IN EDUCATION IN DEVELOPING NATIONS** 632V.S. Mudhoo (*Mauritius*)11:30 **IMPROVING KNOWLEDGE OF MY TEAM: REACHING OUT GLOBALLY** 633P. Hickey (*USA*)12:00 **CHALLENGES IN HOSPITAL MANAGEMENT TO IMPROVE QUALITY OF CARE** 634I. Zhu (*China*)12:30 **LUNCH, POSTER VIEWING AND VISIT THE EXHIBITION**

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	I. Kartika (<i>Indonesia</i>)	
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14:00 - 15:00

Hall B

THE BRAIN: Neuro Care & OutlookChairpersons: G. Nuthall (*New Zealand*) 647J. Pineda (*USA*) 648**PEDIATRIC NEUROCITICAL CARE: HOW WE DO IT IN
PITTSBURGH, TORONTO, CAPE TOWN, ROTTERDAM**14:00 P. Cox (*Canada*) 64914:15 P. Kochanek (*USA*) 65014:30 D. Tibboel (*The Netherlands*) 65114:45 A. Figaji (*South Africa*) 65215:00 **TEA/COFFEE BREAK, POSTER VIEWING AND VISIT THE EXHIBITION**

14:00 - 15:00

Hall D

THE CHILD AND FAMILY: Psychosocial Care & OutlookChairpersons: L. Crowe (*Australia*) 653C. Yoke Hwee (*Singapore*) 65414:00 **SWEARING AND HUMOUR: MAINTAINING A HEALTHY PICU TEAM** 655L. Crowe (*Australia*)14:30 **CARING FOR TOMORROW: PARTNERSHIP BETWEEN FAMILIES
AND HEALTH PROFESSIONALS** 656S. Mader (*Germany*)15:00 **TEA/COFFEE BREAK, POSTER VIEWING AND VISIT THE EXHIBITION**

14:00 - 15:00

Hall E

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	N. Shimizu (Japan)	658
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	P. Laussen (Canada)	
14:30	IMPROVING OUTCOMES IN PEDIATRIC CARDIOVASCULAR CARE? THE NEXT 10 YEARS	660
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14:00 - 15:00

Hall F

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	J. Piva (Brazil)	663
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14:30	WHEN NO MORE CAN BE DONE: ENSURING BEST END-OF-LIFE CARE	665
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15:00	TEA/COFFEE BREAK, POSTER VIEWING AND VISIT THE EXHIBITION	

14:00 - 15:00

Hall G

THE MILIEU: Milieu & Outlook

Chairpersons: S. Campos (<i>Ecuador</i>)	666
M. Elbarbary (<i>Egypt</i>)	667

HOW WILL WE BE SUPPORTING MULTIPLE ORGANS IN 10 YEARS TIME?

14:00	B. Ramachandran (<i>India</i>)	668
14:20	S. Nakagawa (<i>Japan</i>)	669
14:40	H. Dalton (<i>USA</i>)	670

15:00 **TEA/COFFEE BREAK, POSTER VIEWING AND VISIT THE EXHIBITION**

14:00 - 15:00

Hall H

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Chairpersons: P. Jouvét (<i>Canada</i>)	671
B. Morrow (<i>South Africa</i>)	672

14:00	MANAGEMENT OF SEVERE ACUTE LUNG INJURY IN VIRAL INFECTION OF EPIDEMICS	673
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14:30	WHAT WE STILL NEED TO KNOW IN RESPIRATORY MANAGEMENT	674
	P. Rimensberger (<i>Switzerland</i>)	

15:00 **TEA/COFFEE BREAK, POSTER VIEWING AND VISIT THE EXHIBITION**

14:00 - 15:00

Hall I

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	B. Lister (<i>Australia</i>)	676
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	H. Urbina-Medina (<i>Venezuela</i>)	
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**Plenary Session: Pediatric Intensive & Critical Care:
Around the World in 25 Years**

	Chairpersons: T.F. Köroğlu (<i>Turkey</i>)	679
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16:00	WHAT WE HAVE LEARNED AT PICC 2014 IN ISTANBUL	683
	S. Ranjit (<i>India</i>)	
	S. Kinney (<i>Australia</i>)	684
16:30	MY CHOICES FOR THE HOT TOPICS AT PICC 2016 IN TORONTO	685
	J. Brierly (<i>United Kingdom</i>)	
	P. Hickey (<i>USA</i>)	686

17:00 - 17:15

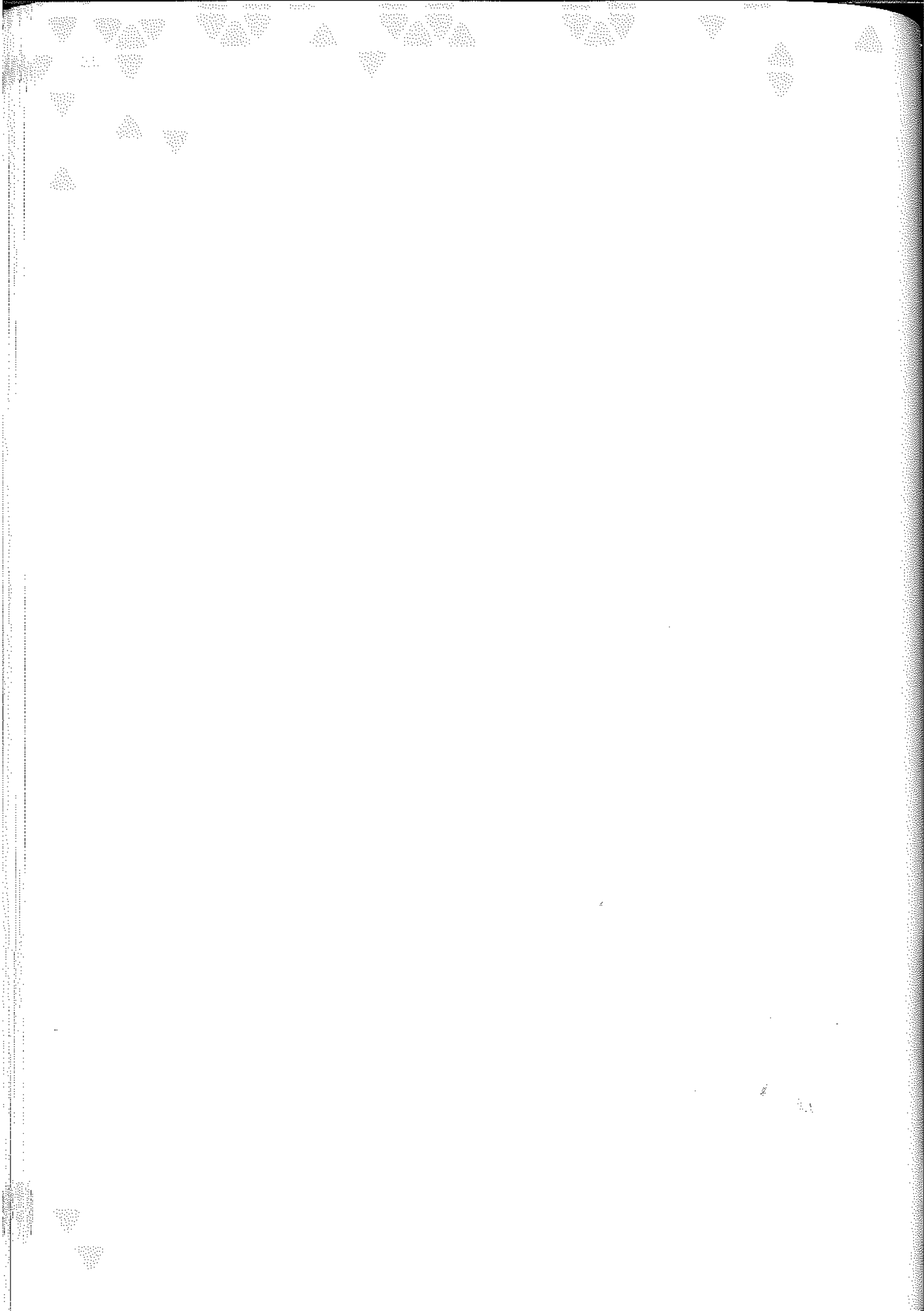
Hall A

Closing Session**PICC 2016: ONE WORLD - OUR CARE**

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FAREWELL ADDRESS

T.F. Köroğlu (<i>Turkey</i>)	691
J.M. Latour (<i>United Kingdom</i>)	692





POSTER DISCUSSIONS



13:00 - 13:45

Hall A

THE ILLNESS: Poster Discussions: Aspects of Infection in the PICU

- | | | |
|-------|--|-----|
| | Chairperson: M. Elbarbary (Egypt) | 693 |
| 13:00 | COMPARISON OF SUPERIOR VENA CAVAL OXYGEN SATURATION (SCVO2) AND FEMORAL VENOUS OXYGEN SATURATION (SFVO2) IN CHILDREN WITH SEPTIC SHOCK | 694 |
| | J. Sankar, A. Shukla, M.J. Sankar, A. Jain, N. Dubey, P.K. Singh (India) | |
| 13:05 | PREVENTING DEATH FROM ENDEMIC SEPSIS IN THE FOURTH WORLD: A SUCCESSFUL INTERVENTION STRATEGY FOR MANAGING UNWELL CHILDREN IN REMOTE AUSTRALIA | 695 |
| | S. Stokes, J. Boulton, A. Fsher, A. D'Amico, K. Oliver (Australia) | |
| 13:10 | RECOGNIZING WORLD SEPSIS DAY: DEVELOPING AND IMPLEMENTING A MULTIMODAL KNOWLEDGE DISSEMINATION STRATEGY | 696 |
| | M. Parker, A. Bongers, K. Choong, J. Pernica, K. Bailey, E. Rosenbloom, S. Aujla, J. Watson (Canada) | |
| 13:15 | ROUTINE SURVEILLANCE BLOOD CULTURES DURING EXTRACORPOREAL LIFE SUPPORT DETECT CLINICALLY OCCULT BLOODSTREAM INFECTIONS | 697 |
| | A. Mesher, T.V. Brogan, D.M. McMullan (USA) | |
| 13:20 | SIMULATED TRAINING FOR PREVENTION AND CONTROL OF HEALTHCARE ASSOCIATED INFECTIONS IN PEDIATRIC INTENSIVE CARE UNIT | 698 |
| | A. Silva, C.M. Oka, M.M. Almeida, A.L.M. Campos, J.M. Giraldes, L. Pádua (Brazil) | |

- | | | |
|-------|---|-----|
| 13:25 | DETERMINATION OF MONOCYTE HLA-DR EXPRESSION (MHLA-DR) FOR ASSESSMENT OF IMMUNOPARALYSIS IN A PEDIATRIC INTENSIVE CARE UNIT (PICU) | 699 |
| | T.F. Manzoli, E.J. Troster, M.M. Sales, <u>T.F. Ferranti</u> , A.A. Ferraro (Brazil) | |
| 13:30 | A NATIONAL SURVEY OF PEDIATRIC INTENSIVE CARE UNIT-ACQUIRED INFECTIONS IN ITALY: DATA FROM TIPNET NATIONAL REGISTRY | 700 |
| | A. Camporesi, F. Ferrero, F. Savron, S. Furlan, S. Molinaro, S. Baroncini (Italy) | |
| 13:35 | METABOLOMIC PROFILING OF SERUM SAMPLES USING NMR SPECTROSCOPY TO DIAGNOSE PEDIATRIC SEPSIS IN THE EMERGENCY DEPARTMENT AND INTENSIVE CARE UNIT | 701 |
| | B. Mickiewicz, <u>P. Holinski</u> , H.J. Vogel, B.W. Winston, J. Wong, G. Thompson, J. Blackwood, A.R. Joffe (Canada) | |
| 13:40 | HEAVY AND LIGHT CHAIN FERRITIN IN PEDIATRIC HEMOPHAGOCYTIC LYMPHOHISTIOCYTOSIS AND SEVERE SEPSIS | 702 |
| | T. Nguyen, J. Goldman, Collaborative Multicenter Hemophagocytic Lymphohistiocytosis Study Group, M.H. Tchamitchi, C. Allen, K. McClain (USA) | |

13:00 - 13:25

Hall C

TURKISH PROGRAM: Poster Discussions: Hemşirelik

- | | | |
|-------|--|-----|
| | Chairperson: E. Melek Benligül (Turkey) | 703 |
| 13:00 | SEDATIVE AND ANALGESIC USAGE AT THE PEDIATRIC INTENSIVE CARE UNITS IN TURKEY FROM THE EYE OF NURSES | 704 |
| | P. Aydın, S. Akbas, <u>O. Dursun</u> (Turkey) | |
| 13:05 | BRAZELTON NEONATAL BEHAVIORAL ASSESSMENT SCALE: A VALIDITY AND RELIABILITY STUDY IN A TURKEY SAMPLE | 705 |
| | O. Tosun, <u>E. Erdem</u> , F. Elmali, S. Kurtoglu (Turkey) | |
| 13:10 | EXTRAVASATION INJURY: LOKAL OXIGENE THERAPY APPLICATION WITHIN PEDIATRIC INTENSIVE CARE UNIT | 706 |
| | <u>D. Beytut</u> , N. Ozdamar, N. Isler, N. Turgut (Turkey) | |

- 13:15 **MOTHER'S KNOWLEDGE AND APPLICATIONS ABOUT PAIN** 707
E.K. Ciftci, S. Kahraman (Turkey)
- 13:20 **DETERMINING THE ABILITY OF NURSING STUDENTS TO IDENTIFY NURSING DIAGNOSES** 708
N. Aydin, N. Aydin (Turkey)

13:00 - 13:45

Hall D

THE CHILD AND FAMILY: Poster Discussions: Nursing & Care

- Chairperson: G. Sefton (United Kingdom) 709
- 13:00 **BENEFITS OF PSYCHOSOCIAL SUPPORT ON A PEDIATRIC INTENSIVE CARE UNIT** 710
D. Wood, K. Abbas, H. Waddington, P. Shroff, E. Rose, C.M. Pierce (United Kingdom)
- 13:05 **EARLY NURSING INTERVENTION ON THE INFLUENCE OF FEEDING INTOLERANCE IN PREMATURE BABIES** 711
A. Xiao (China)
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Hall B

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- 18:00 **FOREIGN BODY INGESTION IN CHILDREN** 799
S. Sari Gökay, T. Celik, H.L. Yilmaz, G. Köksaldi (Turkey)

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- 17:45 **THE MEANING OF PERSONAL DIARIES IN PICU TO CHILDREN AND FAMILIES** 804
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- 17:50 **PARENTAL PERCEPTIONS OF THEIR CHILD'S CARE IN PICU: PRELIMINARY RESULTS** 805
C. Grandjean, J.M. Latour, J. Cotting, M.C. Maitre, F. Leclerc, S. Leteurtre, A.S. Ramelet (Switzerland)
- 17:55 **QUALITY OF LIFE AND FAMILIAR BURDEN OF HOME VENTILATED PEDIATRIC PATIENTS, A MULTICENTRE STUDY** 806
R. Gonzalez Cortes, S.N. Fernandez Lafever, M. García Samprudencio, A. Bustinza Arriortua, J. Lopez-Herce Cid. (Spain)
- 18:00 **THE COURSE OF POSTTRAUMATIC STRESS IN CHILDREN: EXAMINATION OF SYMPTOM TRAJECTORIES FOLLOWING PICU ADMISSION** 807
R. Le Brocque, D. Long, J. Hendrikz, J. Kenardy, B. Dow, S. Keogh (Australia)
- 18:05 **FAMILY PRESENCE AT NURSING SHIFT HANDOVER: IMPLEMENTATION AND EVALUATION OF A CHILD AND FAMILY-CENTRED PRACTICE CHANGE IN CRITICAL CARE** 808
K. Dryden-Palmer, K. Middaugh, A. McCormick, K. Keilty, M. McAllister (Canada)

17:30 - 18:10

Hall E

THE HEART: Poster Discussions: Heart General

- Chairperson: N. Pathan (United Kingdom) 809
- 17:30 **NURSE LED SIMULATION-BASED EXTRACORPOREAL MEMBRANE OXYGENATION (ECMO) EDUCATION PROGRAM IN A CARDIOTHORACIC SURGICAL PEDIATRIC INTENSIVE CARE UNIT (CTSD PICU)** 810
K.T.G. Tse, S.H. Chiu, W.C. Li, P.M. To (Hong Kong China)
- 17:35 **ARE ROUTINE TEMPORARY PACING WIRES NECESSARY POST REPAIR OF CONGENITAL HEART DEFECTS?** 811
A. Patel, D.D. Deming, E.M. McClellan, J.B. Bastidas, J.N. Newcombe, M.L. Lopez (USA)
- 17:40 **A DECADE OF VACUUM ASSISTED CLOSURE (VAC) IN STERNAL WOUND INFECTION FOLLOWING PEDIATRIC CARDIAC SURGERY** 812
O. Manor Shulman, O. Dagan, G. Amir, G. Frenkel, E. Kalish (Israel)

17:45	IMPACT OF CHYLOTHORAX ON THE POST OPERATIVE OUTCOME AFTER PEDIATRIC CARDIOVASCULAR SURGERY	813
	<i>S. Ismail, M. Kabbani (Saudi Arabia)</i>	
17:50	NOSOCOMIAL INFECTIONS IN PEDIATRIC CARDIAC UNIT	814
	<i>R. Netto, T. Fragasso, S. Leibovich, P. Bernaschi, M. Carletti, A. Carotti, M. Ciofi Degli Atti, P. D'argenio, P. Cogo (Italy)</i>	
17:55	INCIDENCE OF PEDIATRIC OPEN HEART SURGERY RELATED ACUTE KIDNEY INJURY, ITS SEVERITY AND OUTCOME	815
	<i>J. Krastins, J. Auzins, A. Petersons, A. Petersons (Latvia)</i>	
18:00	RED BLOOD CELL TRANSFUSIONS AND SEVERE POSTOPERATIVE MORBIDITY AND MORTALITY IN CHILDREN UNDERGOING CARDIAC SURGERY	816
	<i>A. Willems, C. Van Lerberghe, A. De Villé, P. Van der Linden (Belgium)</i>	
18:05	INCIDENCE AND RISK FACTORS OF ACUTE KIDNEY INJURY AND MORTALITY IN PEDIATRIC CARDIOTHORACIC ICU: FIRST STUDY FROM INDIA	817
	<i>R. Sharma, S.B. Bazaz, B.B. Biswal, A.B. Bhan (India)</i>	

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Hall F

THE EMERGENCY: Poster Discussions: EMS/Transport

	Chairperson: <i>P. Biban (Italy)</i>	818
17:30	PICU RETRIEVAL - ARE THE TARGET MARKERS CORRECT?	819
	<i>K. Yallop, S. Walsh, S. Ray, P. Ramnarayan (United Kingdom)</i>	
17:35	COMPARISON OF CONSCIOUSNESS LEVEL ASSESSMENT USING THE AVPU-SCALE AND THE MODIFIED PEDIATRIC GLASGOW COME SCALE IN PREHOSPITAL PEDIATRIC EMERGENCIES	820
	<i>F. Hoffmann, M. Schmalhofer, M. Lehner, S. Zimatschek, K. Reiter (Germany)</i>	
17:40	OUTCOME OF CRITICALLY ILL PEDIATRIC PATIENTS ADMITTED FROM EMERGENCY DEPARTMENT OF TERTIARY CARE CENTER OF DEVELOPING COUNTRY	821
	<i>N.-U.-R. Siddiqui, A. Haque, S. Saleem, K. Altaf (Pakistan)</i>	

- 17:45 **CERVICAL SPINE CLEARANCE IN YOUNG CHILDREN: TIME FOR A CONSENSUS** 822
R. Hanley, A. Gour, Z. Malik (*United Kingdom*)
- 17:50 **PRE-HOSPITAL TRANSPORT PRACTICES PREVALENT AMONG CHILDREN REQUIRING PICU ADMISSION IN A TERTIARY CARE CENTRE OF A DEVELOPING COUNTRY** 823
J. Sankar, A. Singh, M. Sankar, N. Dev, P. Kumar, N. Dubey (*India*)
- 17:55 **CHARACTERISTICS AND DISPOSITION OF CHILDREN WHO UNDERGO INTRAOSSEOUS PLACEMENT BEFORE TRANSPORT** 824
K. Reuter-Rice (*USA*)
- 18:00 **DOES REGIONALISATION OF INTER-HOSPITAL PEDIATRIC TRANSPORT DE-SKILL THE STAFF AT DISTRICT GENERAL HOSPITALS?** 825
N. Puppala, R. Phatak, N. Campbell (*United Kingdom*)

17:30 - 18:10

Hall G

THE MILIEU: Poster Discussions: Renal & Hematology

- Chairperson: B. Bayrakci (*Turkey*) 826
- 17:30 **RESPIRATORY DYSFUNCTION ASSOCIATED WITH RED BLOOD CELL TRANSFUSION IN CRITICALLY ILL CHILDREN: COMPARISON OF TWO DEFINITIONS** 827
F. Gauvin, E. Lefebvre, N. Kleiber, G. Emeriaud, M. Tucci, N. Robitaille, J. Lacroix (*Canada*)
- 17:35 **CONTINUOUS RENAL REPLACEMENT THERAPY IN CRITICALLY ILL INFANTS** 828
G. Morissette, W. Kechaou, C. Litalien, F. Gauvin, A. Mérouani, V. Phan, P. Juvet (*Canada*)
- 17:40 **HYPOPHOSPHATEMIA IN CRITICALLY ILL CHILDREN** 829
R. Lodha, S. Shah, M. Irshad, N. Gupta, S. Kabra (*India*)
- 17:45 **ANEMIA IN CRITICALLY ILL CHILDREN: DOES IT AFFECT OUTCOME? A PROSPECTIVE OBSERVATIONAL STUDY** 830
A.V. Lalitha, M. Jyothi, V. Anil (*India*)

- 17:50 **PROTEIN C (PC) AND ACTIVATED PROTEIN C (APC) LEVELS IN NECROTISING ENTEROCOLITIS (NEC) COMPARED TO HEALTHY PRETERM NEONATES** 831
P. Lister, N. Klein, M.J. Peters (*United Kingdom*)
- 17:55 **FACTORS AFFECTING CIRCUIT LIFE IN CHILDREN WITH ACUTE LIVER FAILURE (ALF) UNDERGOING CONTINUOUS VENO-VEOUS HAEMOFILTRATION (CVVH)** 832
A. Deep, C. Goonasekera, J. Wang (*United Kingdom*)
- 18:00 **WHAT ARE THE COSTS OF MOVING AWAY FROM ALBUMIN USE IN PICU?** 833
R. Isaac, P. Nayak (*United Kingdom*)
- 18:05 **REGIONAL CITRATE ANTICOAGULATION VERSUS HEPARIN ANTICOAGULATION IN PEDIATRIC CONTINUOUS RENAL REPLACEMENT THERAPY** 834
A. Chenouard, P. Bourgoïn, E. Allain-Launay, N. Joram, J.M. Liet (*France*)

17:30 - 18:15

Hall H

THE LUNG: Poster Discussions: Lung Functions & Measurement, Response to Therapy

- Chairperson: P. Rimensberger (*Switzerland*) 835
- 17:30 **DEADSPACE ASSESSMENT IN MECHANICALLY VENTILATED CHILDREN** 836
P. Bourgoïn, D. Brossier, S. Essouri, M. Wysocki, G. Emeriaud, P. Juvet (*France*)
- 17:35 **HIGH FLOW NASAL CANNULAE USE IN CHILDREN UNDER 20KG IN A TERTIARY PEDIATRIC INTENSIVE CARE UNIT OVER 3 YEARS** 837
T. Wraight, S. Ganu (*Australia*)
- 17:40 **ROLE OF LUNG ULTRASOUND IN DIAGNOSING TRANSIENT TACHYPNEA OF NEWBORN** 838
J. Liu, Y. Liu, Z.L. Lu (*China*)
- 17:45 **EFFECT OF CHEST PHYSIOTHERAPY (CPT) ON REGIONAL LUNG VENTILATION AND GAS EXCHANGE IN VENTILATED CHILDREN USING ELECTRICAL IMPEDANCE TOMOGRAPHY (EIT)** 839
B. McAlinden, G. Ntoumenopoulos, J. Jauncey-Cooke, A. Schibler, J. Hough (*Australia*)

- 17:50 **REPRODUCIBILITY OF REGIONAL VENTILATION DISTRIBUTION USING ELECTRICAL IMPEDANCE TOMOGRAPHY IN SPONTANEOUSLY BREATHING PRETERM INFANTS** 840
J. Hough, A. Schibler (Australia)
- 17:55 **QUANTIFYING DELIVERY OF ALBUTEROL WITH HIGH FLOW NASAL CANNULA: AN IN-VITRO STUDY** 841
M. Alalwan, J. Fink, R. Harwood, L. Bryant, M. Sheard, A. Ari (USA)
- 18:00 **RED CELL DISTRIBUTION WIDTH IS ASSOCIATED WITH PULMONARY DYSFUNCTION IN A PEDIATRIC CRITICAL CARE UNIT** 842
T. Schepens, J.J. De Dooy, W. Verbrugghe, P.G. Jorens (Belgium)
- 18:05 **NON-INVASIVE ASSESSMENT OF THE EFFECT OF IMPLANTABLE PHRENIC NERVE STIMULATION IN TWO VENTILATOR DEPENDENT CHILDREN USING STRUCTURED LIGHT PLETHYSMOGRAPHY** 843
S. Morley, A. Khalid, K. Kimber, W. De Boer, R. Iles (United Kingdom)
- 18:10 **ELECTRICAL ACTIVITY OF THE DIAPHRAGM DURING NEURALLY ADJUSTED VENTILATORY ASSIST (NAVA) IN PEDIATRIC PATIENTS** 844
M. Kallio, O. Peltoniemi, U. Jounio, E. Anttila, T. Pokka, T. Kontiokari (Finland)

17:30 - 18:15

Hall I

THE ORGANIZATION: Poster Discussions: Nursing & Training

- Chairperson: L. Sorce (USA) 845
- 17:30 **END OF LIFE CONVERSATIONS IN CRITICAL CARE: A SIMULATION INTERVENTION FOR CRITICAL CARE NURSES** 846
K. Dryden-Palmer, P. Gregoroff, C. Parshuram (Canada)
- 17:35 **FACTORS RELATED TO UNPLANNED EXTUBATION IN PICU** 847
H.K. Kanthimathinathan, A. Durward, I.A. Murdoch, S. Tibby (United Kingdom)
- 17:40 **A PDCA PROGRAM TO IMPROVE THE HYDROCOLLOID DRESSING PROTECTING PEDIATRIC PATIENTS' FACIAL REGION ASSOCIATED WITH MECHANICAL VENTILATION.** 848
Z. Liu, H.U.A. Lu (China)

- 17:45 **INTERRUPTIONS IN NURSING CARE: FREQUENCY AND SOURCES IDENTIFIED FOR INTENSIVE CARE AND NON-INTENSIVE CARE NURSES** 849
M. Pedreira, C. Monteiro, A. Avelar (*Brazil*)
- 17:50 **NURSING STUDENTS EMPLOYED TO WATCH OVER CRITICAL ILL PATIENTS IN NEED OF CONTINUOUS SURVEILLANCE** 850
S. Hermansen, G. Mikkelsen, E.V.A. Laerkner (*Denmark*)
- 17:55 **ASSESSING FLUID BALANCE IN PEDIATRIC INTENSIVE CARE UNIT: IS NURSE REGISTERED CUMULATIVE FLUID INTAKE MINUS OUTPUT A RELIABLE TOOL?** 851
T. Bontant, B. Matrot, P. Sachs, J. Naudin, C. Michot, A. Deho¹,
S. Dauger (*France*)
- 18:00 **ESTABLISHING A PEDIATRIC CARDIAC SURGICAL PROGRAM IN BENGHAZI, LIBYA** 852
J. Evans (*Australia*)
- 18:05 **THE USE OF SIMULATED LEARNING TO ENHANCE CARDIORESPIRATORY ACUTE PEDIATRIC PHYSIOTHERAPY ACROSS QUEENSLAND** 853
S. Wright, A. Mandrusiak, N. Ramsbotham, E. Hayles, K. Kelly (*Australia*)
- 18:10 **THE EVALUATION OF THE APPLICATION OF A MASSIVE HEMORRHAGE PROTOCOL USING SIMULATION TO TRAIN INTERDISCIPLINARY TEAMS** 854
F. Gauvin, A. Levy, G. Pettersen, S. Lesage, N. Robitaille, A. Sansregret (*Canada*)

13:00 - 13:45

Hall A

THE ILLNESS: Poster Discussions: Shock & Renal Injury

Chairperson: J. Zimmerman (USA)

855

- 13:00 **TRANS-THORACIC ECHOCARDIOGRAPHIC ASSESSMENT OF IVC DIAMETER VARIABILITY TO DETERMINE FLUID RESPONSIVENESS IN CHILDREN WITH SEPTIC SHOCK - A PILOT STUDY** 856

S. Kandasamy, M. Jayashree, S. Singhi, M. Rohit (India)

- 13:05 **EVALUATION OF CORTICOSTEROID REPLACEMENT THERAPY IN CHILDREN WITH SEVERE SEPTIC SHOCK - A RANDOMISED INTERVENTION TRIAL** 857

H. De Graaf, K.A. Ramakrishnan, J. Pappachan, S. Nadel, M. Levin, A. Wolf, A. Finn, K. Morton, H. Gale, M. Allan, D. Gibb, S. Walker, B. Arch, C. Gamble, S. Lightman, P. Thomas, Y. Gao, A.P. Williams, R.S. Heyderman, S.N. Faust (United Kingdom)

- 13:10 **DO WE STILL ACCEPT CENTRAL VENOUS PRESSURE MEASUREMENTS TO ASSESS PRELOAD RESPONSIVENESS IN CHILDREN WITH SEPTIC SHOCK? - A SINGLE CENTER EXPERIENCE** 858

S. Kandasamy, M. Jayashree, S. Singhi, M. Rohit (India)

- 13:15 **ENTEROVIRUS MYOCARDITIS SHOULD BE CONSIDERED IN CRITICALLY ILL INFANTS PRESENTING WITH SUSPECTED CARDIOGENIC OR SEPTIC SHOCK** 859

A. Cooper, V.J. Pappachan, S. Patel, K. Sykes, I. Macintosh, M. Tebruegge, E. Pelosi (United Kingdom)

- 13:20 **UMBILICAL VENOUS CATHETER RELATED PORTAL VENOUS THROMBOSIS IN NEWBORN BABIES: A PROSPECTIVE STUDY** 860

A. Dursun, G. Cinar, B. Ucan, N. Hakan, S. Eksioglu, D. Dilli, N. Okumus, A. Zenciroglu (Turkey)

- 13:25 **INVASIVE FUNGAL INFECTIONS IN A PEDIATRIC INTENSIVE CARE UNIT** 861
A. Reis, S. Pinto, L. Boto, J. Rios, F. Abecasis, C. Camilo, M. Vieira (*Portugal*)
- 13:30 **ASSESSMENT OF CYSTATIN C FOR DETECTION OF ACUTE KIDNEY INJURY IN CRITICALLY ILL CHILDREN** 862
L.C. Volpon, E.K. Sugo, A. Carlotti (*Brazil*)
- 13:35 **EPIDEMIOLOGY OF ACUTE KIDNEY INJURY IN THE PEDIATRIC INTENSIVE CARE UNIT** 863
L.C. Volpon, E.K. Sugo, J.C. Consulin, T.L.G. Tavares, A. Carlotti (*Brazil*)
- 13:40 **THERAPEUTIC CORTICOSTEROIDS ARE ASSOCIATED WITH GENOME-LEVEL REPRESSION OF ADAPTIVE IMMUNITY-RELATED GENE PROGRAMS IN PEDIATRIC SEPTIC SHOCK** 864
J. Zimmerman, N.Z. Cvijanovich, G.L. Allen, N.J. Thomas, R.J. Freishtat, N. Anas, K. Meyer, P.A. Checchia, S.L. Weiss, T.P. Shanley, M.T. Bigham, S. Banschbach, E. Beckman, K. Harmon, H.R. Wong (*USA*)

13:00 - 13:45

Hall B

THE BRAIN: Poster Discussions: Drugs & Seizures

- Chairperson: D. Tibboel (*The Netherlands*) 865
- 13:00 **DISEASE SEVERITY DETERMINES PHARMACOKINETICS OF PHENOBARBITAL IN CRITICALLY ILL NEONATES WITH OR WITHOUT WHOLE BODY HYPOTHERMIA.** 866
P. Pokorna, O. Cerná, P. Srnský, V. Vobruha, P. Klement, D. Lorencík, L. Blaíková, O. Slanar, K. Allegaert, D. Tibboel (*Czech Republic*)
- 13:05 **RANDOMIZED COMPARISON OF 20%-MANNITOL VS 3%-HYPERTONIC SALINE IN CHILDREN WITH RAISED INTRACRANIAL PRESSURE DUE TO ACUTE CENTRAL NERVOUS SYSTEM INFECTIONS** 867
R. Ramesh Kumar, S. Singhi, P. Singhi, A. Bansal (*India*)

- 13:10 **SEDATION WITH SEVOFLURANE DELIVERED BY THE ANESTHETIC CONSERVING DEVICE ANACONDA® IN THE PEDIATRIC INTENSIVE CARE UNIT** 868
M. Pavcnik-Arnol, I. Vidmar (Slovenia)
- 13:15 **POSTOPERATIVE PAIN MANAGEMENT THROUGH INTRAPERITONEALLY LOCAL ANESTHETIC IN PEDIATRIC PATIENTS HOSPITALIZED IN PICU AFTER LAPAROSCOPIC SURGERY.** 869
D. Galante, D. Pedrotti (Italy)
- 13:20 **INTRA-OPERATIVE REMIFENTANIL DURING PEDIATRIC CARDIAC SURGERY DOES NOT IMPACT POST-OPERATIVE SEDATIVE REQUIREMENTS** 870
J. Foster, R. Ward, N. Barrowman, D. Doherty (Canada)
- 13:25 **IDEAL SERUM SODIUM LEVEL IN MANAGEMENT OF RAISED INTRACRANIAL PRESSURE IN CHILDREN WITH ACUTE CENTRAL NERVOUS SYSTEM INFECTIONS** 871
R. Ramesh Kumar, S. Singhi, P. Singhi, M. Jayashree, A. Bansal (India)
- 13:30 **COMPARISON OF TWO RED-CELL TRANSFUSION STRATEGIES IN CHILDREN WITH RAISED INTRACRANIAL PRESSURE DUE TO ACUTE CENTRAL NERVOUS SYSTEM INFECTIONS** 872
R. Ramesh Kumar, S. Singhi, P. Singhi, M. Jayashree, A. Bansal (India)
- 13:35 **SAFETY OF SEDATION WITH ISOFLURAN IN CHILDREN - RETROSPECTIVE STUDY WITH REGARD TO CARDIVASCULAR STABILITY AND FLUORID-LEVELS** 873
U. Trieschmann, U. Becker, C.H. Menzel (Germany)
- 13:40 **INTRAVENOUS LEVETIRACETAM AS A STAGE TWO ANTIEPILEPTIC DRUG IN PEDIATRIC CONVULSIVE STATUS EPILEPTICUS: A PROSPECTIVE OBSERVATIONAL STUDY** 874
S. Kandasamy, S.K. Sathishkumar, S. Thangavelu, S. Kashyap, V.V. Vivekanand (India)

13:00 - 13:35

Hall D

THE CHILD AND FAMILY: Poster Discussions: Ethics & Social

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|-------|---|-----|
| | Chairperson: S. Kinney (Australia) | 875 |
| 13:00 | DEATH PATTERN AMONG CRITICALLY ILL CHILDREN IN TERTIARY CARE CENTER OF DEVELOPING COUNTRY | 876 |
| | N.-U.-R. Siddiqui, A. Haque, H. Jurair (Pakistan) | |
| 13:05 | IS A PEDIATRIC EARLY WARNING TOOL (PEWT) USEFUL IN CARDIAC PATIENTS? | 877 |
| | R. Clayson, A. Selby, L. Tume (United Kingdom) | |
| 13:10 | VARIATION IN HEALTH RELATED QUALITY OF LIFE (HRQOL) RECOVERY FOR CRITICALLY ILL CHILDREN WITH DIFFERENT LEVELS OF MEDICAL COMPLEXITY | 878 |
| | F. Aspesberro, S. Stanford, M. Fesinmeyer, C. Zhou, J. Zimmerman, R. Mangione-Smith (USA) | |
| 13:15 | BUILDING AN ETHICAL COMMUNITY OF PRACTICE: A PROGRAM OF BIOETHICS SUPPORT IN PEDIATRIC CRITICAL CARE | 879 |
| | K. Dryden-Palmer, R. Greenberg (Canada) | |
| 13:20 | NEEDS OF MOTHERS OF PREMATURE NEWBORNS IN NICU | 880 |
| | A. Vaskelyte, A. Blazeviciene (Lithuania) | |
| 13:25 | RETURN TO HOSPITAL AFTER DEATH OF CHILDREN: FEELINGS OF PARENTS THAT PARTICIPATED IN A STUDY IN SOUTHERN BRAZIL | 881 |
| | P. Lago, G. Halal, J. Piva, M. Halal, F. Cabral, C. Nilson (Brazil) | |
| 13:30 | BRAZILIAN ADULT AND PEDIATRIC INTENSIVIST DIFFER REGARDING THE MANAGEMENT OF THE NON-DONATOR BRAIN DEATH | 882 |
| | J. Piva, F. Bonow, A.P.P. Silva, R.R. Nothem, V.D. Garcia, K. Rocha, A.F. Favero, M.I.D. Campos (Brazil) | |

13:00 - 13:45

Hall E

THE HEART: Poster Discussions: Post-Op

- | | | |
|-------|---|-----|
| | Chairperson: P. Baines (<i>United Kingdom</i>) | 883 |
| 13:00 | NONINVASIVE MEASUREMENT OF RENAL HEMODYNAMICS AND OXYGEN METABOLISM TO PREDICT ACUTE KIDNEY INJURY FOLLOWING SURGERY OF CONGENITAL HEART DISEASE | 884 |
| | F. Neunhoeffer, E. Heimberg, C.H. Fink, M. Hofbeck (<i>Germany</i>) | |
| 13:05 | HIGHER SERUM CORTISOL LEVELS AFTER CARDIOPULMONARY BYPASS ARE ASSOCIATED WITH POOR OUTCOMES | 885 |
| | H. Bangalore, E. Ocampo, C.G. Minard, D. Guffey, L. Rodriguez, P. Checchia, J. Heinle, L. Shekerdemian (<i>USA</i>) | |
| 13:10 | ELEVATED PROCALCITONIN LEVEL AS A MARKER OF INFECTION IN THE YOUNG INFANT AFTER CARDIOPULMONARY BYPASS (CPB). | 886 |
| | D. Reformina, S. Chakravarti (<i>USA</i>) | |
| 13:15 | PERIOPERATIVE MONITORING OF THROMBOELASTOGRAPHY AND STANDARD COAGULATION TESTING IN CYANOTIC INFANTS UNDERGOING COMPLEX CARDIAC SURGERY | 887 |
| | A. Rizza, Z. Ricci, C. Iacoella, C. Pezzella, R. Haiberger, P. Cogo (<i>Italy</i>) | |
| 13:20 | PREDICTING STROKE VOLUME FROM BEDSIDE HAEMODYNAMIC VARIABLES | 888 |
| | R. Saxena, S. Steely, A. Durward, I.A. Murdoch, S.M. Tibby (<i>United Kingdom</i>) | |
| 13:25 | IMPACT OF INTENSITY OF GLUCOSE CONTROL ON LACTATE LEVELS IN CHILDREN AFTER CARDIAC SURGERY | 889 |
| | B. Fule, H.K. Kanthimathinathan, C.S. Gan, P. Davies, S. Laker, K.P. Morris (<i>United Kingdom</i>) | |
| 13:30 | THE HAEMODYNAMIC EFFECTS OF CLONIDINE INFUSION AFTER NEONATAL CARDIAC SURGERY | 890 |
| | N. Kleiber, M.C. Clifford, G.L. Larson, J.M. Millar (<i>Australia</i>) | |

- 13:35 **CD64-INDEX AS AN EARLY DIAGNOSTIC MARKER OF SEPSIS IN INFANTS AFTER CARDIAC SURGERY WITH CARDIOPULMONARY BYPASS** 891
A. Krivoshapkina, A.I. Subbotovskaya, O.V. Strunin, A.N. Shilova,
 I.A. Kornilov, A.A. Efimov (*Russia*)
- 13:40 **SHORT-TERM RENAL SUPPORT IN THE POST-OPERATIVE REPAIR OF TETRALOGY OF FALLOT ON THE PAEDIATRIC INTENSIVE CARE UNIT** 892
M. Griksaitis, R.R. Kemp, R.J. Dyer, J.P. Gnanapragasam, N. Viola,
 I. Macintosh, K. Sykes (*United Kingdom*)

13:00 - 13:20

Hall F

THE EMERGENCY: Poster Discussions: Infection

- Chairperson: B. Sun (*China*) 893
- 13:00 **PERTUSSIS SYNDROME A PREVENTABLE INFECTIOUS DISEASE DEMANDING EMERGENCY AND PICU RESOURCES** 894
J. Piva, F. Pinheiro, R. Ferlini, R. Picolli, P. Lago, E. Baldasso, C. Andreolio,
 E.A. Trotta, P.R. Carvalho (*Brazil*)
- 13:05 **DIPSTICK URINALYSIS FOR THE EMERGENCY DEPARTMENT EVALUATION OF URINARY TRACT INFECTIONS IN CHILDREN AGED 3-36 MONTHS** 895
E.U. Saz, H. Ozdemir, H. Hortu, A.M. Ulasan (*Turkey*)
- 13:10 **SURVEY OF EMERGENCY PHYSICIAN FLUID RESUSCITATION PRACTICES FOR SEVERE PEDIATRIC SEPSIS** 896
E. Long, E. Oakley, S. Dalziel, S. Dalton, F. Babl (*Australia*)
- 13:15 **EFFECT OF INHIBITING HISTONE WITH LOW-DOSE HEPARIN ON THE EXPRESSION OF TOLL-LIKE RECEPTOR AND GENERATION OF INFLAMMATORY MEDIATORS IN HUVEC** 897
B. Li, B.I.R.U. Li, Q.I.N.G. Cao (*China*)

13:00 - 13:35

Hall G

THE MILIEU: Poster Discussions: Endocrine

- Chairperson: G. Kalkan (Turkey) 898
- 13:00 **ACCURACY OF A REAL-TIME CONTINUOUS GLUCOSE MONITORING SYSTEM IN CHILDREN WITH SEPTIC SHOCK - A PILOT STUDY** 899
B. Ramachandran, S. Prabhudesai, I. Bhagat, K.G. Ravikumar (India)
- 13:05 **TIGHT VERSUS PERMISSIVE GLYCEMIC CONTROL FOR MANAGING HPERGLYCEMIA IN NON SURGICAL PEDIATRIC INTENSIVE CARE UNIT: A RANDOMISED CONTROLLED TRIAL** 900
N. Pribadi, D.R. Rusmawatiningsy (Indonesia)
- 13:10 **RELATIONSHIP OF THE INITIAL ADRENAL STRESS RESPONSE TO MORTALITY RISK AND HOSPITAL STAY IN CRITICALLY ILL CHILDREN** 901
V. Fajardo, E. Chang, R. Guo, H. Mathews, V. Gunnala, R. Bhatia (USA)
- 13:15 **ACCURACY OF A CONTINUOUS GLUCOSE MONITORING SYSTEM IN CHILDREN WITH DIABETIC KETOACIDOSIS: A PILOT STUDY** 902
B. Ramachandran, S. Prabhudesai, I. Bhagat, A. Kanjani, K.G. Ravikumar (India)
- 13:20 **THE EPIDEMIOLOGY OF STEROID USE IN CHILDREN WITH FLUID OR VASOACTIVE INFUSION DEPENDANT SHOCK** 903
K. Menon, D. McNally, M. Lawson, K. Choong, T. Ramsay, H. Wong (Canada)
- 13:25 **HYPOCALCEMIA AND ITS CORRELATION WITH SERUM PARATHYROID HORMONE AND CALCITONIN LEVELS IN PEDIATRIC INTENSIVE CARE UNIT PATIENTS** 904
Z. Serati, S. Haghbin, N. Sheibani, H. Haghbin, H. Karamifar (Iran)
- 13:30 **USE OF COMPUTER-BASED INSULIN DELIVERY METHOD IN MANAGEMENT OF PEDIATRIC DIABETIC KETOACIDOSIS (DKA) IN A PEDIATRIC INTENSIVE CARE UNIT (PICU).** 905
U. Narsinghani, J. Hutchins, B. Smith (USA)

13:00 - 13:45

Hall H

THE LUNG: Poster Discussions: ARDS & Damage Mechanisms

- | | | |
|-------|--|-----|
| | Chairperson: H. Dalton (USA) | 906 |
| 13:00 | VASOACTIVE INTESTINAL PEPTIDE ATTENUATES HYPEROXIA-INDUCED OXIDATIVE STRESS INJURY IN PRIMARY TYPE II ALVEOLAR EPITHELIAL CELLS | 907 |
| | <u>F. Xu</u> (China) | |
| 13:05 | CLINICOPATHOLOGICAL CORRELATION IN CHILDREN WITH POSTMORTEM DIFFUSE ALVEOLAR DAMAGE | 908 |
| | E. Serdaroglu, <u>S. Kesici</u> , B. Bayrakci, G. Kale (Turkey) | |
| 13:10 | THE EPIDEMIOLOGY OF ACUTE RESPIRATORY DISTRESS SYNDROME IN VIETNAMESE CHILDREN | 909 |
| | <u>P. Phan</u> , P.R. Beasley, J. Risser, C. Ford, L.T. Nguyen (Vietnam) | |
| 13:15 | INTER-OBSERVER VARIABILITY IN CHEST X-RAY ARDS DIAGNOSIS IN CHILDREN IMPROVED BY A COMPUTER-AIDED DIAGNOSIS SYSTEM | 910 |
| | N. Zaglam, <u>S. Essouri</u> , O. Flechelles, G. Emeriaud, F. Cheriet, P. Jouvet (Canada) | |
| 13:20 | MORBIDITY OF DIFFERENT GROUPS OF LOWER RESPIRATORY TRACT INFECTIONS IN PEDIATRIC INTENSIVE CARE | 911 |
| | <u>N. Puppala</u> , A. Paweletz, Z. Vyskocova, C. Gupta, R. Drew, K. Thorburn (United Kingdom) | |
| 13:25 | COMPARING PAO2 AND SPO2 BASED DEFINITIONS FOR PEDIATRIC ACUTE REPIRATORY DISTRESS SYNDROME | 912 |
| | <u>J.J.-M. Wong</u> , T.F. Loh, D. Testoni, J.G. Yeo, Y.H. Mok, J.H. Lee (Singapore) | |
| 13:30 | ACUTE RESPIRATORY DISTRESS SYNDROME IN A PEDIATRIC INTENSIVE CARE UNIT | 913 |
| | A. Bouziri, A. Borgi, M. Fares, <u>S. Bel Hadj</u> , N. Ghali, A. Khaldi, K. Menif, N. Ben Jaballah (Tunisia) | |
| 13:35 | SAFETY AND EFFICACY OF RECRUITMENT MANEUVERS IN POST-OPERATIVE PEDIATRIC CARDIAC SURGICAL PATIENTS | 914 |
| | <u>H. Bassi</u> , T.A. Morandi, J.J. Nigro, H. Dalton, C. Tenaglia, B.C. Willis (USA) | |

- 13:40 **CONTINUOUS CONTROL OF TRACHEAL CUFF PRESSURE IN PEDIATRIC INTENSIVE CARE UNIT: A PILOT STUDY USING A PNEUMATIC DEVICE IN SMALL INFANTS** 915
G. Vottier, B. Matrot, D. Avran, J. Naudin, P. Sachs, A. Deho¹, S. Dauger (France)

13:00 - 13:25

Hall I

THE ORGANIZATION: Poster Discussions: General & Administrative

- Chairperson: R. Gottesman (Canada) 916
- 13:00 **EPIDEMIOLOGY AND RISK FACTORS FOR UNPLANNED READMISSIONS OVER 7 YEARS IN A PEDIATRIC INTENSIVE CARE UNIT: RETROSPECTIVE COHORT REVIEW** 917
S. Tripathi, K. Fryer, A. Arteaga (USA)
- 13:05 **READMISSIONS TO THE PEDIATRIC INTENSIVE CARE UNIT WITHIN 48 HOURS OF DISCHARGE; A QUALITY INDICATOR?** 918
L. Walsh, G. Sefton, A. Wagh, P. Baines (United Kingdom)
- 13:10 **USE OF A DAILY GOAL SHEET REDUCES COSTS IN A PEDIATRIC CARDIAC INTENSIVE CARE UNIT** 919
D. Davis, W.S. Moore, R.R. Davies (USA)
- 13:15 **PREVALENCE AND CHARACTERISTICS OF PRESCRIBING ERRORS IN A PAEDIATRIC INTENSIVE CARE UNIT (PICU)** 920
R. Isaac, J. Martin, F. Reynolds (United Kingdom)
- 13:20 **COST OF PEDIATRIC INTENSIVE CARE UNIT TO FAMILIES OF A DEVELOPING COUNTRY** 921
N.-U.-R. Siddiqui, A. Haque, R. Kumar (Pakistan)

13:00 - 13:30

Station 1

TURKISH PROGRAM: Poster Discussions: Yoğun Bakım

- | | | |
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| | Chairperson: E. Şevketoğlu (Turkey) | 922 |
| 13:00 | EFFECT OF HEPARIN INSERTION AT PICC APPLICATION IN NEWBORNS | 923 |
| | M. Tasdemir, A. Bulbul, S. Uslu, E. Turkoglu, <u>A.U. Zubarioglu</u> , M. Dursun, A. Babayigit (Turkey) | |
| 13:05 | PREVENTION OF GASTRIC DAMAGE IN RATS UNDER STRESS TREATED WITH DEXHAMETASONE | 924 |
| | H. Seker Yikmaz, <u>N.O. Kutlu</u> , H. Esen (Turkey) | |
| 13:10 | ADVERS EFFECTS OF PROLONGED DEXMEDETOMIDINE TREATMENT IN A PEDIATRIC INTENSIVE CARE UNIT | 925 |
| | N.O. Kutlu, <u>N. Alaçakir</u> , S. Emeksiz, E. Akkus, S. Sahin (Turkey) | |
| 13:15 | EVALUATION OF VITAMIN E, SELENIUM, GLUTATHION PEROXIDASE ACTIVITY IN DISSEMINATINATED INTRAVASCULAR COAGULATION | 926 |
| | <u>B.N. Akyldz</u> , M. Karakukcu, M. Kendirci, S. Muhtaroglu, S. Aydin, I. Yilmaz, S. Ozsoylu (Turkey) | |
| 13:20 | THE EVALUATION OF PATIENTS DIAGNOSED WITH SECONDER HEMOPHAGOCYTIC LYMPHOHISTIOCYTOSIS | 927 |
| | <u>M. Acar</u> , M. Oguz, B. Malbora, S. Senel (Turkey) | |
| 13:25 | WHAT IS THE BEST VASCULAR ACCESS SITE FOR CONTINUOUS RENAL REPLACEMENT THERAPY DURING NEONATAL PERIOD? | 928 |
| | <u>M.N. Hepokur</u> , D. Demirkol, F. Aygun, S. Bayraktar, C. Aktuglu Zeybek (Turkey) | |

13:00 - 13:45

Hall A

THE ILLNESS: Poster Discussions: Outcomes

- Chairperson: E.J. Troster (*Brazil*) 929
- 13:00 **NEURODEVELOPMENTAL IMPAIRMENT IN PRETERM INFANTS WITH LATE-ONSET INFECTION: NOT ONLY IN EXTREMELY PRETERM INFANTS** 930
A. Chenouard, N. Joram, G. Gascoin, C. Gras-Leguen, Y. Montcho, J.C. Rozé, C. Flamant (*France*)
- 13:05 **MORTALITY DUE TO SEVERE SEPSIS AND SEPTIC SHOCK IN HEALTHY OR COMORBID CHILDREN IN THE ITALIAN PEDIATRIC INTENSIVE CARE UNITS** 931
A. Camporesi, N. Pirozzi, E. Calderini, P. Biban, P. Silvani, I. Salvo (*Italy*)
- 13:10 **AN EVALUATION OF SIMULATION ON THE FIRST HOUR BASIC CARE TASKS OF THE SEPTIC SHOCK IN PEDIATRIC PATIENTS** 932
J. Qian, Y.I.N.G. Wang, Y. Zhang, Q. Rong, X. Zhu (*China*)
- 13:15 **THE NEW ZEALAND PERTUSSIS EXPERIENCE** 933
A. Ganeshalingham, B.A. Anderson, B. McSharry, J. Beca (*New Zealand*)
- 13:20 **OUTCOMES FOLLOWING SURGICAL NEC: SINGLE CENTER PICU EXPERIENCE** 934
A. Wagh, T. McClellandC, N. Shetty, K. Thorburn (*United Kingdom*)
- 13:25 **CONTINUOUS VENOVENOUS HAEMOFILTRATION (CVVH) IN CONGENITAL METABOLIC DISORDERS - A RECENT SINGLE-CENTRE EXPERIENCE** 935
P. Nayak, M. Farley, A. Chakrapani, C. Hendricz (*United Kingdom*)

- 13:30 **VALIDATION OF THE SCREENING TOOL FOR THE ASSESSMENT OF MALNUTRITION IN PEDIATRICS (STAMP) FOR CRITICALLY ILL CHILDREN** 936
J. Li (*China*)
- 13:35 **NEONATAL SEPSIS - BEYOND NICU** 937
L. Sissons, K. Parkins (*United Kingdom*)
- 13:40 **THE RELATIONSHIP OF ABDOMINAL PERFUSION PRESSURE WITH MORTALITY IN CRITICALLY ILL PEDIATRIC PATIENTS** 938
O. Ozgür Horoz, D. Yildizdas, Y. Sari, I. Unal, U. Yukselmiş, F. Ekinçi,
E. Petmezci (*Turkey*)

13:00 - 13:40

Hall B

THE BRAIN: Poster Discussions: Nursing

- Chairperson: L. Tume (*United Kingdom*) 939
- 13:00 **HALOPERIDOL IN ADDITION TO SEDO-ANALGESICS DRUGS INFUSION DOES NOT PREVENT DELIRIUM AND ABSTINENCE SYNDROME** 940
J. Piva, M. Molon, P.C. Garcia, P. Lago, F. Bruno, P.R. Einloft, G. Birck,
R. Lenz, C. Toscan, A. Fucks (*Brazil*)
- 13:05 **THE EVALUATION OF CEREBRAL OXYGENATION CHANGES WITH NIRS DURING OPEN ENDOTRACHEAL SUCTIONING ON THE PATIENTS WHO ARE MECHANICALLY VENTILATED CHILDREN** 941
M. San, A. Yilmaz, S. Erdogan, M. Bosnak (*Turkey*)
- 13:10 **COMPARISON THE EFFECT OF BREASTFEEDING AND WRAPPING NEONATES ON BCG VACCINATION PAIN** 942
L. Taheri, F. Hashemi (*Iran*)
- 13:15 **VARIATIONS IN MORPHINE PRESCRIPTION AND ADMINISTRATION IN PEDIATRIC INTENSIVE CARE PATIENTS** 943
L. Martins, A. Durward, S. Tibby, J. Harris (*United Kingdom*)

- 13:20 **PAIN MANAGEMENT FOLLOWING MAJOR INTRACRANIAL SURGERY IN PEDIATRIC PATIENTS: A PROSPECTIVE COHORT STUDY IN THREE ACADEMIC CHILDREN'S HOSPITALS** 944
 L.G. Maxwell, G.M. Buckley, S. Kudchadkar, E. Ely, E. Stebbins, C. Dube, A. Morad, E.A. Jastaniah, N.F. Sethna, M. Yaster (USA)
- 13:25 **THE INABILITY OF PEDIATRIC EARLY WARNING SCORES TO TRIGGER APPROPRIATE ASSESSMENT OF CHILDREN WITH CRITICALLY RAISED INTRACRANIAL PRESSURE** 945
 T. Bennett, A. Baldock (United Kingdom)
- 13:30 **A NOVEL CONCEPTUAL MODEL OF IATROGENIC WITHDRAWAL SYNDROME IN CRITICALLY ILL CHILDREN** 946
 K. Best, M.A.Q. Curley (USA)
- 13:35 **FOLLOWING THE LIGHT: NEAR INFRARED SPECTROMETRY (NIRS) USE IN A TURKISH PEDIATRIC INTENSIVE CARE SETTING; HELPFUL MAY BE, PUZZLING INDEED** 947
 N. Yalındağ-Öztürk, E. Yesil, N. Him, N. Erkek (Turkey)

13:00 - 13:40

Hall C

THE HEART: Poster Discussions: Shock

- Chairperson: D. Macrae (United Kingdom) 948
- 13:00 **EXTRACORPOREAL CARDIOPULMONARY RESUSCITATION: SINGLE CENTRE EXPERIENCE** 949
 A. Vora, U. Angadi, A. Sambo, P. Barry, G. Faulkner, G. Peek (United Kingdom)
- 13:05 **ECMO SUPPORT FOR PEDIATRIC SEVERE CARDIO-RESPIRATORY FAILURE IN PICU** 950
 Z. Lu, X. Cai, L. Zhang, X. Yan, J. He (China)
- 13:10 **EXTRACORPOREAL MEMBRANE OXYGENATION FOR ACUTE FULMINANT MYOCARDITIS - 10 YEAR EXPERIENCE FROM A TERTIARY CENTRE IN HONG KONG** 951
 C.C. Au, K.T. Chau, F.H. Tsang, X. Li, W.K. Au, K.S. Lun (Hong Kong China)

- 13:15 **SURVIVAL AND NEUROLOGICAL OUTCOME FOLLOWING PEDIATRIC IN-HOSPITAL CARDIOPULMONARY RESUSCITATION IN CHANDIGARH** 952
V. Rathore, A. Bansal, S.C. Singhi, P. Singhi, M. Jayashree (*India*)
- 13:20 **DIASTOLIC DYSFUNCTION AFTER SUCCESSFUL CARDIOPULMONARY RESUSCITATION** 953
J. Irazuzta, C. Erker, T. Moon, O. Akerele (*Univ of Florida*)
- 13:25 **PREVALENCE AND OUTCOME OF DIASTOLIC DYSFUNCTION IN CHILDREN WITH FLUID REFRACTORY SEPTIC SHOCK- A PROSPECTIVE OBSERVATIONAL STUDY** 954
J. Sankar, R.R. Das, S. Dewangan, P. Khilnani, A. Jain, D. Yadav, N. Dubey (*India*)
- 13:30 **CASE-CONTROL STUDY OF ANTICOAGULATION REGIMEN EFFECTS ON BLEEDING COMPLICATIONS AND BLOOD PRODUCT ADMINISTRATION DURING EXTRACORPOREAL LIFE SUPPORT** 955
S. Buttram, P. Garcia-Filion, A. Schmidt, C. Valasek, H.J. Dalton (*USA*)
- 13:35 **VASOPRESSIN AS RESCUE THERAPY IN SEPTIC SHOCK REFRACTORY TO CATECHOLAMINES IN PEDIATRIC PATIENTS** 956
P.C. Garcia, T.C. Dalcin, K.D. Veloso, J.P. Piva, R.G. Branco, P.R. Einloft, F. Bruno, C. Toscan, A.A. Fucks, L. Brose, R.M. Dall'Agnese, S. Escudero (*Brazil*)

13:00 - 13:40

Hall D

THE CHILD AND FAMILY: Poster Discussions: Miscellaneous

- Chairperson: J. Booth (*South Africa*) 957
- 13:00 **THE NUTRITIONAL STATUS AND LEVEL OF TRACEELEMENTS IN CHILDREN WITH SEPSIS OR SEVERE SEPSIS IN PICU** 958
S. Qian, B. Fang (*China*)
- 13:05 **B-TYPE NATRIURETIC PEPTIDE AS A PREDICTOR FOR EXTUBATION FAILURE IN CRITICALLY ILL PEDIATRIC PATIENTS** 959
M. Oh, W.K. Jhang, E.J. Ha, S.J. Park (*Korea*)

- 13:10 **TRANSPARENT DRESSING VERSUS IODINE PLUS DRESSING AND HIGH-PERMEABILITY DRESSING IN PEDIATRIC CENTRAL LINE MAINTENANCE: A RANDOMIZE CONTROLLED STUDY** 960
Y. Gu, J. Yuan, J. Hu, W.J. Gong (*China*)
- 13:15 **COMPARISON OF TEMPORAL ARTERY (TA) TEMPERATURE MEASUREMENT TO STANDARD TEMPERATURE MEASUREMENT IN CRITICALLY ILL CHILDREN** 961
K. Merrill, D. Ridling, H. Hawk, S. Jones, J. Nelson, M. Ruddy, A. Wilson, L. Yalon (*USA*)
- 13:20 **TRACHEOSTOMY IN PEDIATRIC ICU: WHO STILL GETS IT AND WHY?** 962
H. Santos de Queiroz Filho, D. Garros, G. Garcia Guerra (*Brazil*)
- 13:25 **AN INVESTIGATION BASED ON QUALITY CONTROL CIRCLE TO REDUCE THE RATE OF UNPLANNED EX-TUBATION OF PERIPHERAL INTRAVENOUS CATHETER** 963
C. Xinhong (*China*)
- 13:30 **EVALUATION OF THE RELATIONSHIP BETWEEN FRESH FROZEN PLASMA TRANSFUSION AND NOSOCOMIAL INFECTION AFTER CARDIAC SURGERY IN < 1 YEAR CHILDREN** 964
A. Chenouard, J.C. Rozé, J.M. Liet, V. Gournay, C. Gras-Leguen, N. Joram (*France*)
- 13:35 **DEXMEDETOMIDINE INFUSION IN A PEDIATRIC POPULATION: MAIN INDICATIONS, COLLATERAL EFFECTS AND OUTCOMES** 965
J. Piva, C. Andreolio, R. Ferlini, F. Pinheiro, E. Baldassol, P. Lago, G. Librelato, R. Piccoli, E.A. Trotta, P.R. Carvalho (*Brazil*)

13:00 - 13:40

Hall F

THE EMERGENCY: Poster Discussions: Miscellaneous

- Chairperson: B. von Dessauer (*Chile*) 966
- 13:00 **ACUTE AND INTENSE PEDIATRIC RHABDOMYOLYSIS: CAUSES AND CLINICAL PRESENTATION OF 119 CASES** 967
C. Mehler Jacob, M. Oualha, I. Desguerre, M. Tardieu, C. Barnerias, P. De Lonlay, P. Hubert, L. Dupic (*France*)
- 13:05 **MEDIASTINAL MASS AT PICU- 10 YEARS REVIEW** 968
J. Vujcikova, J.O.E. Brierly, S. Kesavan (*United Kingdom*)
- 13:10 **ETIOLOGIES AND MANAGEMENT OF ACUTE SEIZURES IN CHILDREN ADMITTED TO THE EMERGENCY DEPARTMENT OF A TERTIARY HOSPITAL IN VIETNAM** 969
T.H. Le, A.T. Nguyen, H.P. Phan (*Vietnam*)
- 13:15 **POISONING IN PEDIATRIC CRITICAL CARE: A DESCRIPTIVE MULTICENTRIC STUDY** 970
J. Bergeron, B. Toledano, J. Lacroix, C. Goudie, T. DiGenova, S. Zavalkoff, M. Bourdages, M.E. Samson (*Canada*)
- 13:20 **PEDIATRIC DROWNING IN IRELAND: A TEN YEAR REVIEW** 971
N. Tomasz, C. Breatnach (*Ireland*)
- 13:25 **POPULATION PHARMACOKINETICS AND HEMODYNAMIC EFFECTS OF NOREPINEPHRINE IN HYPOTENSIVE CRITICALLY ILL CHILDREN** 972
M. Oualha, J.M. Tréluyer, F. Lesage, L. DeSaintblanquat, L. Dupic, P. Hubert, O. Spreux-Varoquaux, S. Urien (*France*)
- 13:30 **FOREIGN BODY ASPIRATION IN CHILDREN - EXPERIENCE FROM A TERTIARY CARE CENTRE** 973
M. Muthappa Natarajan, V. Pande, S. Karl, T. Regu Joseph, E.J.G. James (*India*)
- 13:35 **CHALLENGES OF INTUBATING CRITICALLY ILL UNDER 2 YEAR OLDS IN DGH SETTING** 974
A. Redford, A. Bendon, R. Barber, K. Parkins (*United Kingdom*)

13:00 - 13:45

Hall G

THE MILIEU: Poster Discussions: Nursing & Miscellaneous

- Chairperson: D. Sönmez Düzkaya (*Turkey*) 975
- 13:00 **A NATIONAL SURVEY OF PEDIATRIC INTENSIVE CARE UNITS IN PAKISTAN** 976
N.-U.-R. Siddiqui, A. Haque, L. Ladak, M. Hamid, S. Mirza, Z. Bhutta (*Pakistan*)
- 13:05 **WOW (WEIGHT ON WEDNESDAY): A NOVEL INTERVENTION TO ADDRESS BARRIERS TO WEIGHING PATIENTS IN THE PEDIATRIC INTENSIVE CARE UNIT (PICU)** 977
S. Hamilton, D. McAleer, E. Martinez, K. Ariagno, N. Mehta (*USA*)
- 13:10 **DOES DECREASING MATERNAL SEPARATION OF UNDER 6-MONTH OLD INFANTS BEFORE AND AFTER SURGERY IMPROVE PHYSIOLOGICAL STABILITY? A RANDOMISED CONTROL TRIAL** 978
L.V.N. Ssenyonga, N. Bergman, M. Coetzee (*South Africa*)
- 13:15 **WHY DO NURSES STOP ENTERAL FEEDS WHILE CARING FOR PICU PATIENTS?** 979
C. Boyles, A. Ledsham, S. Newton, K.L. Sykes, L.V. Marino (*United Kingdom*)
- 13:20 **UMBILICAL VENOUS CATHETERS IN NEONATES 'NOT AS SAFE AS WE MIGHT THINK'** 980
A. Saboo, A. Sharma, C. Salter, J. Edelman (*United Kingdom*)
- 13:25 **EFFECT OF MECHANICAL CLEANING METHOD WITH STERILE URETHRAL CATHETER ON THE FORMATION OF BIOFILM OF ENDOTRACHEAL TUBES** 981
F. Xu (*China*)
- 13:30 **RADIATION RECEIVED BY PEDIATRIC INTENSIVE CARE UNIT (PICU) PATIENTS SECONDARY TO BEDSIDE CHEST RADIOGRAPHY** 982
J.A. Carrasco Orellana, D. Aranguiz, V. Aguirre, E. Viveros, P. Valle, A. Castillo (*Chile*)

- 13:35 **PERFORMANCE OF PIM AND PIM 2 SCORES IN THE PICU OF A TERTIARY CARE CHILDREN'S HOSPITAL IN INDIA** 983
B. Ramachandran, A. Managuli, K.G. Ravikumar, J. Sankar (*India*)
- 13:40 **THE IMPACT OF A NURSE-LED FEEDING PROTOCOL ON NUTRITION ADEQUACY IN CRITICALLY ILL CHILDREN: A PRELIMINARY ANALYSIS** 984
J.H. Lee, W.M. Han, A.N. Lee, Y.H. Chan, B.X. Ang (*Singapore*)

13:00 - 13:45

Hall H

THE LUNG: Poster Discussions: Issues During Therapy

- Chairperson: P. Cox (*Canada*) 985
- 13:00 **THE EFFECTS OF POSITIVE FLUID BALANCE IN INFANTS YOUNGER THAN ONE YEAR WITH BRONCHIOLITIS UNDERGOING MECHANICAL VENTILATION** 986
P.C. Garcia, C. Korb, J.P. Piva, R.G. Branco, P.R. Einloft, F. Bruno, A.A. Fucks, C. Toscan, L. Brose, R.M. Dall'Agnese, S. Escudero, R.M. Mattiello (*Brazil*)
- 13:05 **PATIENT-VENTILATOR SYNCHRONY IS POOR DURING PEDIATRIC CONVENTIONAL MECHANICAL VENTILATION** 987
G. Emeriaud, L. Ducharme-Crevier, A. Larouche, J. Beck, C. Sinderby, P. Jouvret (*Canada*)
- 13:10 **TEACHING CHEST ULTRASOUND IN AN EXPERIMENTAL PORCINE MODEL FOR THE DIAGNOSIS OF LUNG AND PLEURAL DISEASE** 988
J. Sanchez-de-Toledo, L. Renter, C. Fonseca, M. Esteves, J. Balcells, M. Rosal (*Spain*)
- 13:15 **NONINVASIVE VENTILATION USE IN ITALIAN PICU** 989
A. Wolfler, G. Conti, M. Piastra, G. Stancanelli, R. Gilodi, E. Zoia (*Italy*)

- 13:20 **LOSS OF LARGE VON WILLEBRAND FACTOR MULTIMERS DURING PEDIATRIC EXTRACORPOREAL MEMBRANE OXYGENATION SUPPORT** 990
T. Nguyen, S.K. Hui, E.P. Soundar, K.T. Nguyen, M. Teruya, M.A. Cruz, J. Teruya (USA)
- 13:25 **PEDIATRIC ECMO IN CHILE: EXPERIENCE IN A DEVELOPING COUNTRY** 991
A. Castillo, C. Valverde, J. Kattan, I. Gonzalez, M. Lapadula (Chile)
- 13:30 **THE EFFECTS OF TWO DIFFERENT KINDS OF MECHANIC VENTILATION ON EVOLUTION OF NECROTIZING ENTEROCOLITIS AND INTESTINAL FINDINGS** 992
M. Celik, A. Bülbül, S. Uslu, E.B.R.U. Türkoglu Ünal, A.U. Zübarioglu, M. Dursun, A. Babayigit (Turkey)
- 13:35 **THE APPLICATION OF HOME MECHANICAL VENTILATION IN PEDIATRIC CONGENITAL NEUROMUSCULAR DISORDERS: THE 13-YEAR SINGLE-CENTER EXPERIENCE IN KOREA** 993
B. Lee, Y.H. Choi, Y.J. Han, E.K. Kang, J.D. Park (Korea)
- 13:40 **CENTRIFUGAL VERSUS ROLLER PUMP FOR PEDIATRIC EXTRACORPOREAL MEMBRANE OXYGENATION - OUTCOME AND COMPLICATIONS RATE** 994
S. Mittal, V. Saroha, A. Vora, P. Barry, G. Faulkner, G. Peek (United Kingdom)

13:00 - 13:45

Hall I

THE ORGANIZATION: Poster Discussions: Communication & Miscellaneous

- Chairperson: A. von Saint Andre (USA) 995
- 13:00 **COMMUNICATION TRAINING TO ENHANCE FAMILY-CENTERED CARE IN THE PEDIATRIC ICU (PICU)** 996
M. Sur, D. Castro, A. Howells, L. Loftis (USA)
- 13:05 **HOW GOOD ARE YOUR NOTES? A CLINICAL GRADING SYSTEM FOR A REGIONAL RETRIEVAL TEAMS' WRITTEN COMMUNICATION** 997
P. Jirasek, K. Parkins (United Kingdom)

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|-------|--|------|
| 13:10 | <p>DIFFICULT CONVERSATIONS IN HEALTHCARE: THE VALUE OF ACTOR-BASED SIMULATION TO TEACH COMMUNICATION AND RELATIONAL SKILLS</p> <p><u>E. Meyer</u>, S.K. Bell, R. Pascucci, K. Fancy, K. Coleman, D. Zurakowski (USA)</p> | 998 |
| 13:15 | <p>IMPROVING PICU PATIENT FLOW: COMMUNICATION IS KEY</p> <p>S. Kubis, C. Byrd, A. Nishisaki, D. Davis, <u>J. Verger</u> (USA)</p> | 999 |
| 13:20 | <p>TRAINING INTERPROFESSIONAL PRACTITIONERS AS CAPABLE, CONFIDENT SPIRITUAL GENERALISTS TO MEET THE NEEDS OF CRITICALLY ILL CHILDREN AND THEIR FAMILIES</p> <p><u>E. Meyer</u>, M. Robinson, M.M. Thiel, K.C. Shirkey, D. Zurakowski (USA)</p> | 1000 |
| 13:25 | <p>SELECTIVE DECONTAMINATION OF THE DIGESTIVE TRACT (SDD) AND THE DEVELOPMENT OF ANTIBIOTIC-RESISTANCE</p> <p><u>E. Scott</u>, T. McClelland, D. Sharpe, R. Drew, P. Baines (United Kingdom)</p> | 1001 |
| 13:30 | <p>THE NEW CDC'S SURVEILLANCE DEFINITIONS FOR COMPLICATIONS OF MECHANICAL VENTILATION PROVIDE GOOD PREDICTORS OF OUTCOMES IN A PEDIATRIC INTENSIVE CARE UNIT</p> <p>S. Phongjitsiri, S. Thammasitboon, J.C. Silva, C. Kennedy, <u>J. Coss-Bu</u>, J.M. Graf (USA)</p> | 1002 |
| 13:35 | <p>PARENTERAL HYPOTONIC SALINE PRESCRIBING FREQUENCY IN A TERTIARY CARE CHILDREN'S HOSPITAL</p> <p><u>M. Dornico</u>, J. Hunt, N. Anas (USA)</p> | 1003 |
| 13:40 | <p>HEALTH-CARE ASSOCIATED BLOODSTREAM INFECTIONS IN PEDIATRIC INTENSIVE CARE UNIT OF A DEVELOPING COUNTRY</p> <p><u>N.-U.-R. Siddiqui</u>, A. Haque, H. Jurair (Pakistan)</p> | 1004 |

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- 13:05 **FACTORS AFFECTING MORTALITY IN EXTREMELY VERY LOW BIRTH WEIGHT NEONATES WITH RESPIRATORY DISTRESS SYNDROME** 1007
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- 13:10 **THE EVALUATION OF CENTRAL VENOUS CATHETERIZATION COMPLICATIONS AND RELATED RISC FACTORS IN A PEDIATRIC INTENSIVE CARE UNIT** 1008
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- 13:15 **HOME MECHANICAL VENTILATION IN CHILDREN** 1009
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- 13:20 **EVALUATION OF THE COLCHICINE POISONING CASES IN PICU** 1010
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- 13:25 **EVALUATION OF CHILDREN REQUIRING TRACHEOTOMIES IN PEDIATRIC INTENSIVE CARE UNIT** 1011
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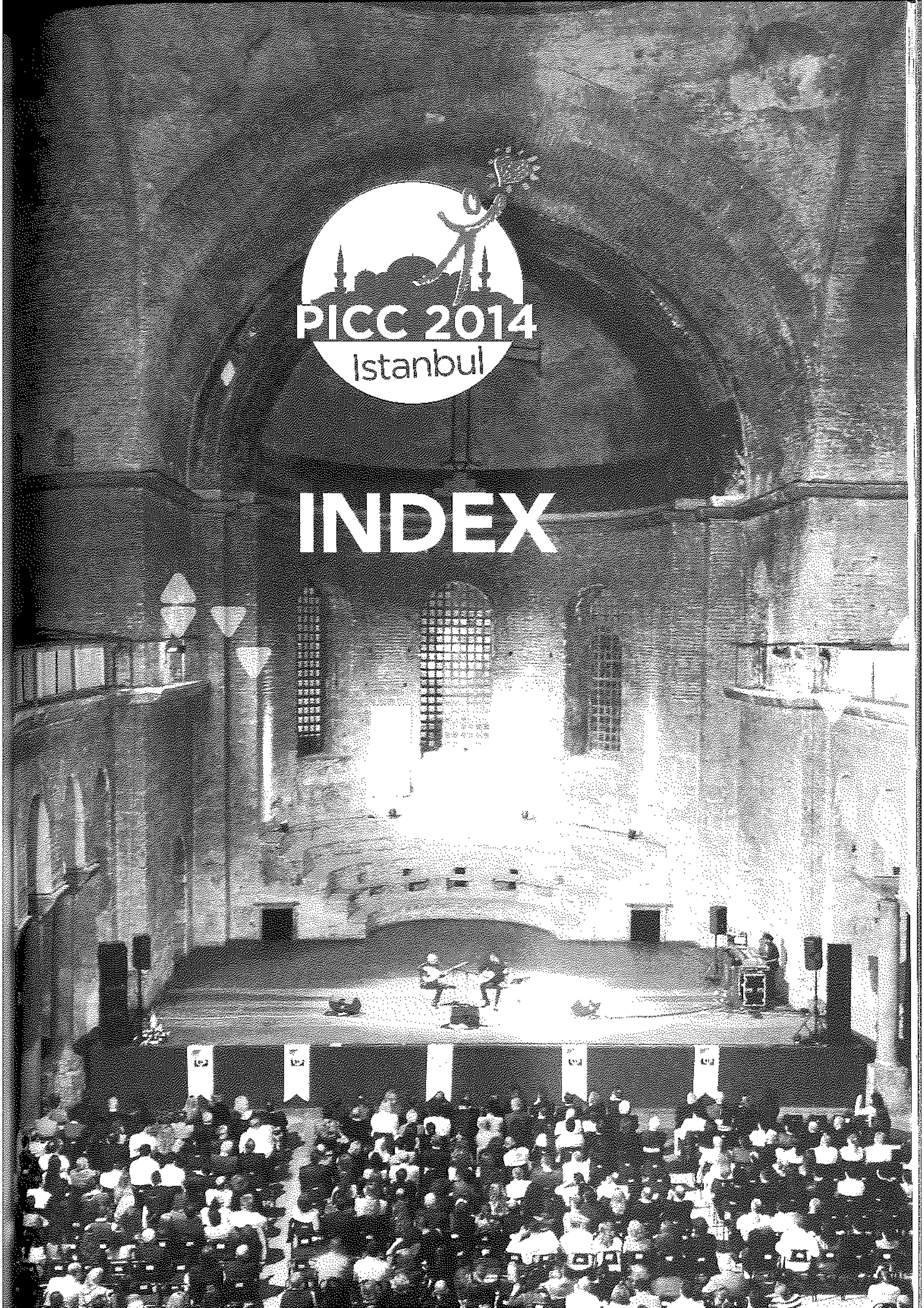
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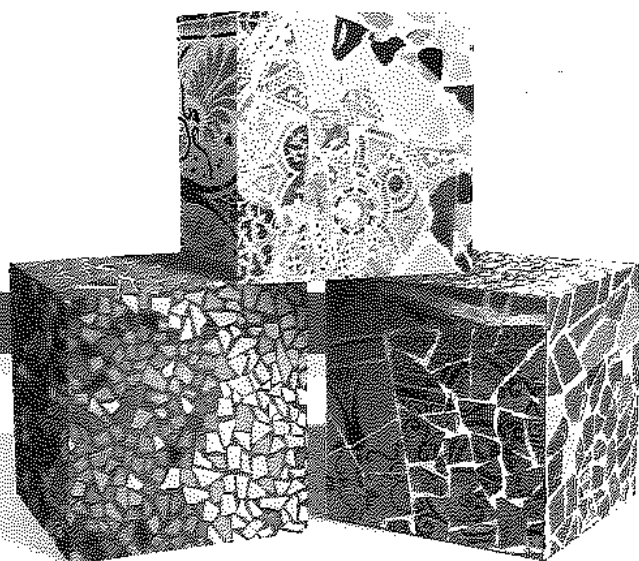
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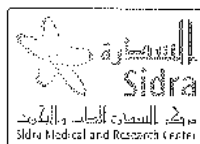
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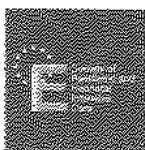
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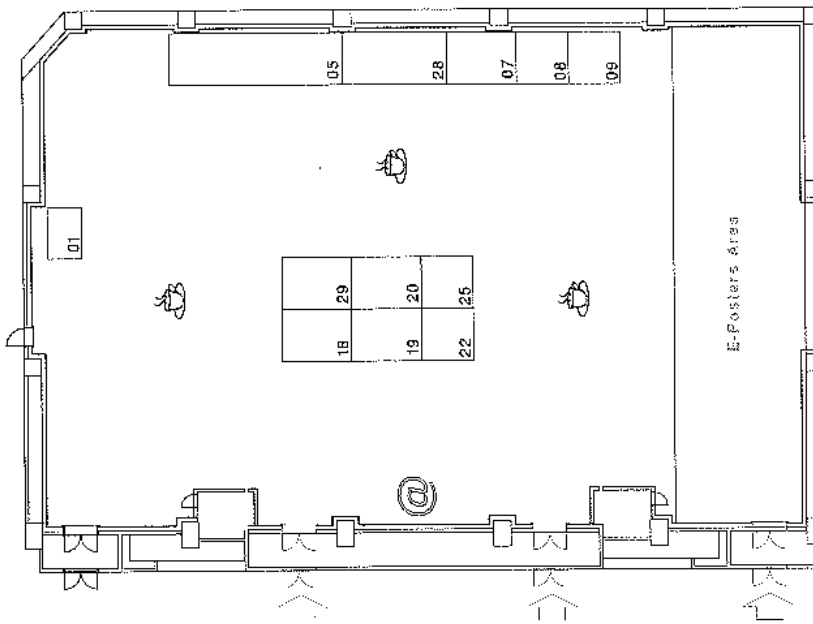


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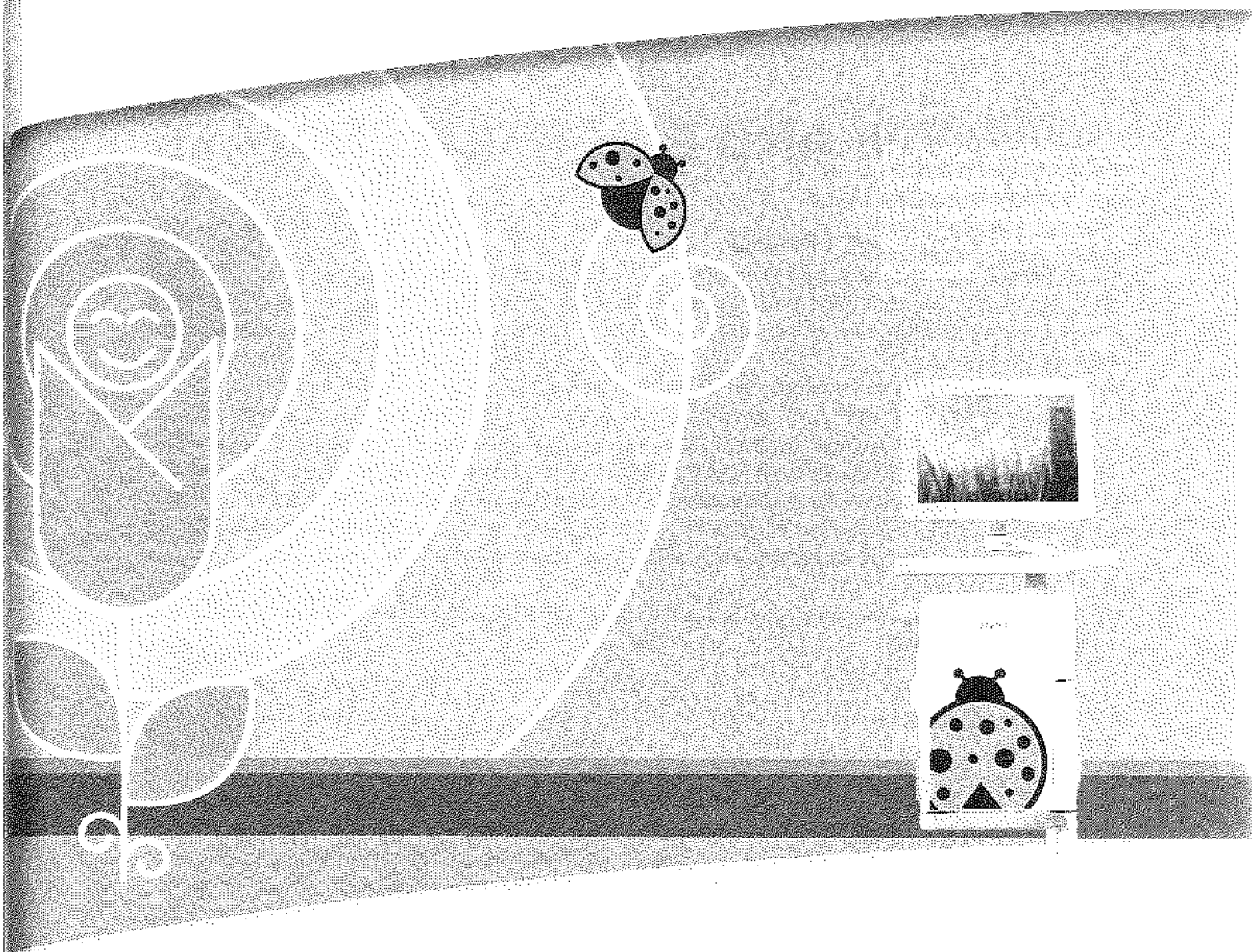


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*Prof. Peter Rimensberger,
Geneva, Switzerland*

Lunch will be provided

Neurally Adjusted Ventilatory

Assist in pediatric intensive care

– a randomized controlled trial

Dr. Merja Kallio, Oulu, Finland

Neurally Adjusted Ventilatory

Assist vs. Pressure Support

**ventilation in infants recovering
from severe acute respiratory
distress syndrome**

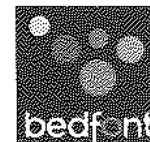
Dr. Marco Piastra, Rome, Italy



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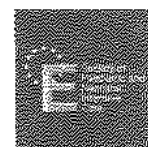
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ESPNIC is a non-for-profit organization, comprised of nurses, doctors and allied healthcare professionals committed to share knowledge, to improve the quality of pediatric and neonatal intensive care and devoted to highly promoting multidisciplinary collaboration amongst all professionals involved in the field giving them a voice within the European and international context.

In this endeavor, ESPNIC thrives to promote and advance the art and science of pediatric and neonatal intensive care through various activities including annual congresses, training programs and network opportunities with the leading experts in the fields of PICU & NICU.

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Operation Smile is an international children's medical charity dedicated to helping improve the health and lives of children. Since 1982, the Operation Smile network of 5,400 medical volunteers from 80 countries has conducted over 200,000 free surgical procedures for those born with cleft lips, cleft palates and other facial deformities in developing countries worldwide. To build long-term self-sufficiency, Operation Smile trains doctors and local medical professionals in its partner countries so they are empowered to treat their own local communities, donates medical equipment and supplies, and provides year-round medical treatment through Comprehensive Care and Training and Treatment Centers.

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**WFPICCS – WORLD FEDERATION OF
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www.wfpiccs.org

World Federation of Pediatric Intensive &
Critical Care Societies



The World Federation of Pediatric Intensive and Critical Care Societies (WFPICCS) is an international body that brings together international expertise, experience, and influence to improve the outcomes of children suffering from life-threatening illness and injury. Its mission is educational, scientific, and charitable in nature. WFPICCS is committed to a global environment, in which all children have access to intensive and critical care of the highest standard. It exists to find ways of improving the care of critically ill children throughout the world, and making that knowledge available to those who care for such children. As in an ideal world all children should have access to state of the art critical care services, this is unlikely to happen anytime soon. Faced with this reality, the member societies of the WFPICCS will strive to develop the best model and provide the best care for critically ill and injured children worldwide.

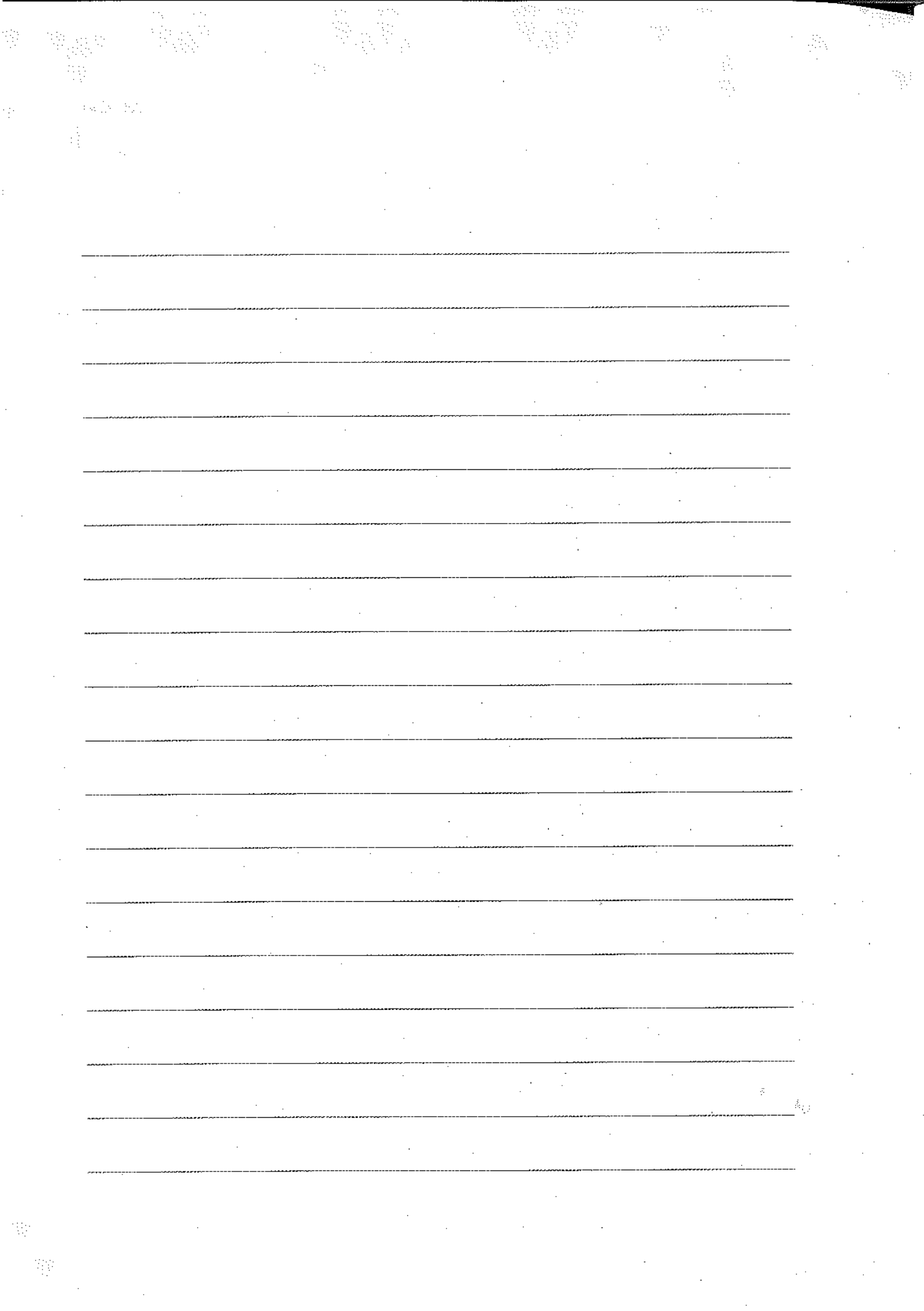
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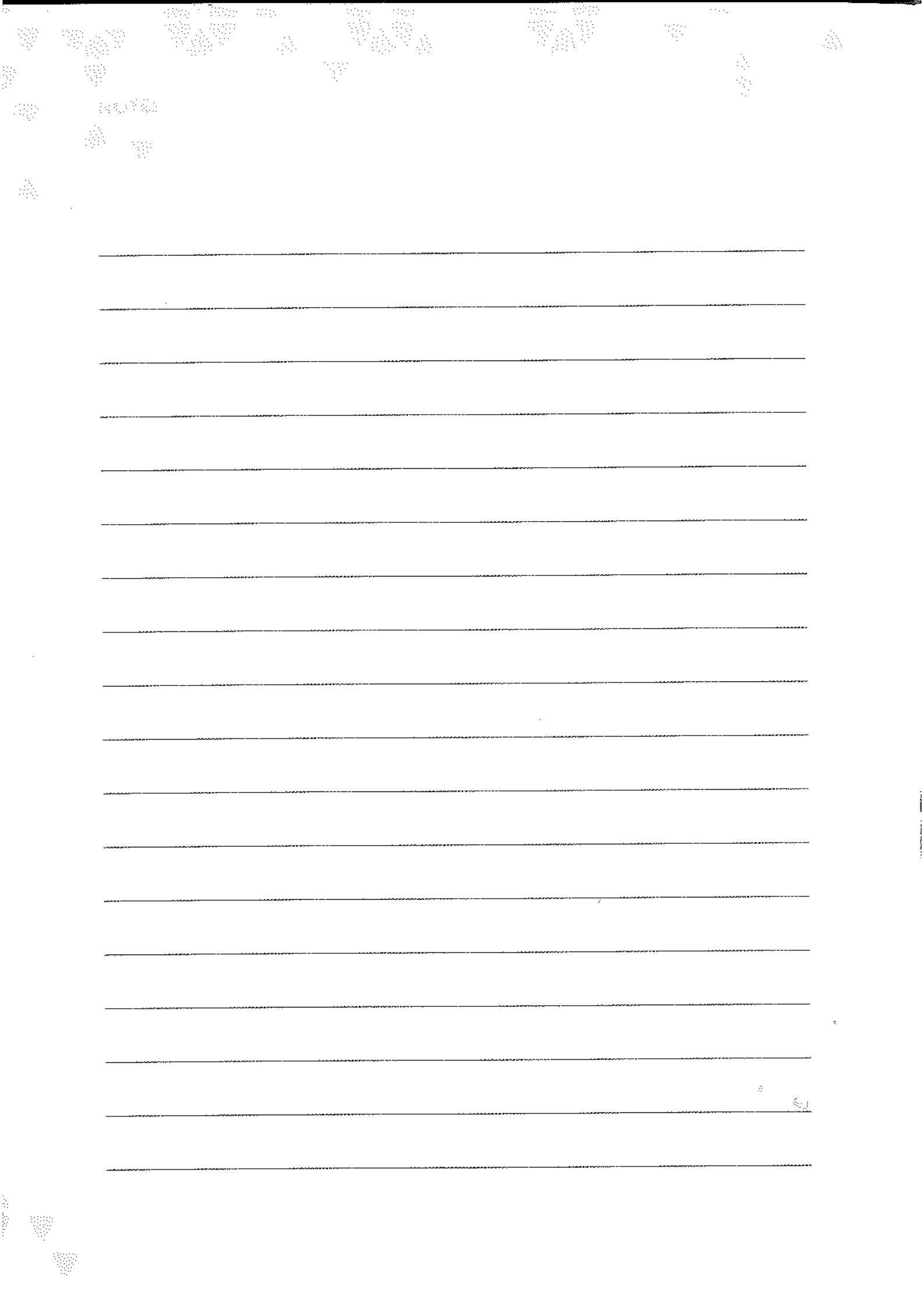
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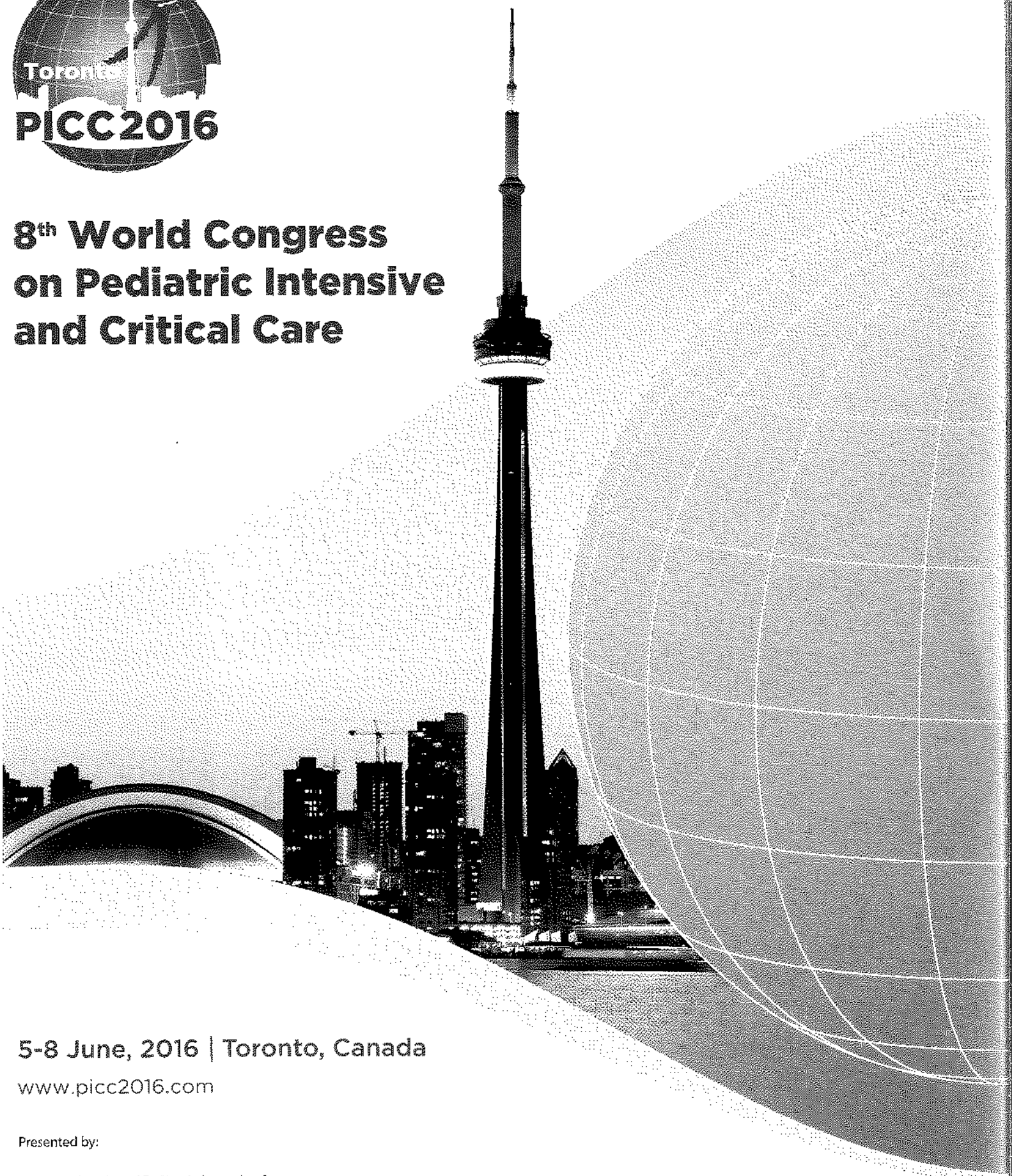


NOTES





8th World Congress on Pediatric Intensive and Critical Care



5-8 June, 2016 | Toronto, Canada

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