

RESUSCITATION 2018

New technologies in resuscitation
20 - 22 September • Bologna • Italy

Resuscitation 2018

preliminary programme

version 5 September 2018



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The ERC has created an app to navigate the programme.

If there is a difference between the printed version and the app,
the version in the app is the correct one.

(we update the app constantly if changes occur)

This is available in the Apple store and Google play.

Look for "ERC European Resuscitation Council" or scan the QR below.

iPhone

Short link: <http://bit.ly/2vRc1wx>

Android

Short link: <http://bit.ly/2vRanL8>



WIFI NETWORK name: erc2018

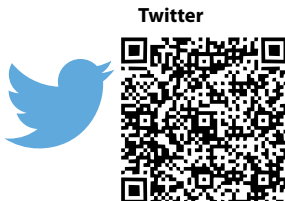
WIFI PASSWORD: schiller

Thursday September 20								
	Sala Europa	Sala Magenta	Sala Italia		CPR Competition platform	Sala Azzurra	Sala Ciano	Sala Rossa
13:00 - 14:30	Opening session							
14:45 - 16:15	New technological strategies to save lives				CPR Competition (1)	Workshop 1 Post Resuscitation Care		
16:30 - 18:00	Latest resuscitation trials 1: implications for practice				CPR Competition (2)	Workshop 2 Post Resuscitation Care		
18:30 - 22:00	Get-together (Palazzo Isolani)							

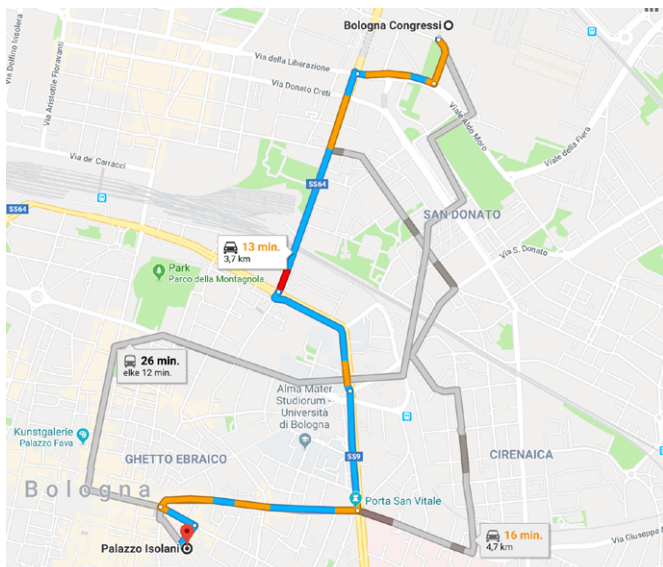
Friday September 21								
08:30 - 10:00	Technology enhanced learning	ESICM session	National Resuscitation Councils meeting		CPR Competition (3)	Workshop 3 eCPR		
Coffee								
10:30 - 11:30	BoB	Free Paper 1	Free Paper 2			Free Paper 3	Free Paper 4	
11:30 - 13:00	Technology to save children?	New developments in research	Educator meeting (invitation only)		CPR Competition (4)	Workshop 4 eCPR	11:30-13:30: ALS&ILS Recertif	
lunch : POSTER TOURS 1 - 17								
14:00 - 15:30	Year in review	Neonates	ERC Scientific statements meeting (invitation only)		CPR Competition (5)	Workshop 5 How to run Refresher seminars?	14:00-16:00: ALS&ILS Recertif	
Coffee								
16:00 - 17:30	Latest resuscitation trials 2	Technology to support pre-hospital care	ERC Research Net			Workshop 6 Augmented Reality/ Virtual Reality		European Resuscitation Academy Alumni meeting

Saturday September 22								
08:30 - 10:00	Technologies to monitor and prevent deterioration	ESC Joint session Pro-Con	EuReCa Network			Workshop 7 How to teach NTS?		Science & education committee EPALS - open meeting
Coffee								
10:30 - 11:30	Young investigator competition	Free Paper 5	Free Paper 6					
11:30 - 13:00	Technology to enhance recovery after cardiac arrest	How networks use technology	Young ERC - Trainees network		CPR Competition FINALS	Workshop 8 Kids save lives	EPBL5 Course	
lunch: POSTER TOURS 18 - 34 & Kids save lives on stage in exhibition								
14:00 - 15:30	Back to the future	ESA Joint session Pro-Con			Pop-up Platform	Workshop 9 Feedback		
Break								
15:45 - 17:00	Closing ceremony							

Social Media



#ERC18



Get-together on Thursday

On the first evening of the congress (Thursday, September 20) there will be the opportunity to have drinks and dinner.

You can register for this event at the registration desk between 15:00 and 16:30.

The dinner costs 35 euro and this includes drinks and food. So no need to make dinner plans for that evening.

We keep the price low because we believe a networking event should be for everybody. Networking is an essential part of any congress so ERC invests in these informal contacts.

There is no separate faculty event so you can meet all the speakers here.

If you want to bring your unregistered partner to this evening, you are free to do so. A fee of 35 euro will be charged. This fee needs to be paid for on site. Only euros will be accepted.

Everybody is welcome as of 18:15.

Please be aware that there is a maximum number of participants that can come in. First come, first served.

Venue:

Palazzo Isolani

Via Santo Stefano, 16, 40125 Bologna

The venue is at 2,9 km from the congress venue in the city centre, if you walk. By car it's 3,7 km --> start networking immediately and share a taxi!





Important information

Scan your badge

You need to have your badge scanned once every day.
It doesn't matter when you do it, but make sure it is done.

Certificate of attendance

This will be send by email AFTER the congress.
You will only receive the certificate if you have scanned your badge.

Selfie wall

At the ERC booth you can find a big selfie wall.

You can win an ERC shirt.

All you have to do:

- Take a picture of you and your (new) friends.
- Post it on facebook and twitter
- Use the #ERC18
- However gets the most likes, wins.

(all the people on the picture get a shirt - with a maximum of 10)



Scientific Committee

Chair:

Gavin Perkins

University Hospitals Birmingham and Heart of England NHS Foundation Trust, Warwick, United Kingdom

Members:

Leo Bossaert

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University of Antwerp, Belgium*

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Chairs

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The Medical School and Mater Dei Hospital, Malta

Pascal Cassan

International Federation of Red Cross and Red Crescent

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Akureyri Hospital and University of Akureyri, Iceland

Anatolij Truhlář

Emergency Medical Services of the Hradec Králové Region, Hradec Králové, Czech Republic

Helicopter Resuscitation Simulation Workshop

Italian Red Cross Bologna

Book your seat via the ERC app. (click Industry Sessions)

At a different location!

Emergency Simulation Training Academy,
Italian Red Cross Bologna Committee,
Via Emilia Ponente 56,
Bologna

(please note this is off-site from congress centre)

Aim:

Teleflex invites you to attend a unique and innovative learning experience focusing upon helicopter resuscitation. This education event using a simulated helicopter and immersive simulation, aims to explore the practical application of the use of airway and intraosseous vascular approaches that can be used in the helicopter resuscitation environment.

Faculty:

Dr Maurizio Menarini, Italian Red Cross & Anaesthetist

Professor Anil Hormis, Professor in Pre-Hospital Medicine & Anaesthetist

Dr Tim Collins, Director Clinical & Medical Affairs, Teleflex

There are 3 sessions:

*Thursday September 20
13:00 - 17:30*

*Friday September 21
09:00 - 12:30*

*Friday September 21
13:30 - 17:00*

Book your seat via the ERC app.



ZOLL - Your Brain on CPR

Sala Italia 13:00 -14:00

Friday September 21

Your Brain on CPR

Better flow happens when pressure goes down!

Everyone understands the importance of High-Quality CPR and how it impacts survival. But there is a way to get even more from your CPR. Come learn about the positive effects of negative pressure during resuscitation.

Dr. Joe Holley (MD, FACEP; Medical Director of Memphis EMS) will tell the physiology story of intrathoracic pressure regulation (IPR) therapy using hemodynamic pressure and flow tracings.

Come discover how adding IPR therapy to high-Quality CPR can allow you to achieve **High-Perfusion CPR**, and **take your resuscitation to the next level**. Hear the latest research and scientific findings, as well as how IPR therapy is being used as a platform for future advances in resuscitation.

Please join us.

There is no cost for the luncheon, but registration is required and seats are limited!

Come to our stand D2 to subscribe or book your seat via the ERC app.
(click Industry Sessions)

ZOLL Medical Corporation, an Asahi Kasei Group company, provides medical devices and software solutions that help advance emergency care and save lives. With products for defibrillation and monitoring, circulation and CPR feedback, data management, fluid resuscitation, therapeutic temperature management, and ventilation, ZOLL is focused on resuscitation and acute critical care.





REALITi

Brand new simulation ecosystem which incorporates patient simulator and video debriefing into a single system.



iSimulate

Smart solutions to keep life going



Italian Resuscitation Council programme

IRC Instructor & Director Day

10:00 - 12:00

Faculty:

Miriam Tumolo

Luigi Langella

Boris Bujic

Samantha Di Marco

Silvia Scelsi

Andrea Scapigliati

Cardiopulmonary resuscitation: from Firenze 2002 to Bologna 2018

Sala Italia 12:00 - 12:30

Speakers:

Erga Cerchiari (Italy)

Jerry Nolan (United Kingdom)

IRC Honorary Memberships

Sala Italia 12:30 - 12:45

Please note that these sessions are in Italian without translation.
These sessions are intended for Italian speaking participants.



ERC International programme

Opening session

Chairs: Jerry Nolan & Gavin Perkins

Sala Europa 13:00 - 14:30

Welcome by ERC

Gavin Perkins & Jerry Nolan (United Kingdom)

Welcome by IRC

Andrea Scapigliati (Italy)

Safar memorial lecture

Koen Monsieurs (Belgium)

New technological strategies to save lives

Chairs: Andy Lockey & Bo Løfgren

Sala Europa 14:45 - 16:15

Cardiac arrest recognition

Marcus Ong (Singapore)

Enhanced community response

Mattias Ringh (Sweden)

Flying AEDs

Andreas Claesson (Sweden)

Beyond CPR feedback

Giuseppe Ristagno (Italy)

Thursday September 20

CPR Competition (1)

Chairs: Robin Davies & Ferenc Sari

CPR platform 14:45 - 16:15

First round of the competition

Judges:

Koen Monsieurs (Belgium)

Adriana Boccuzzi (Italy)

Violetta Raffay (Serbia)

15:00-15:30 The Netherlands

15:30-16:00 Czech Republic

16:00-16:30 Norway

Workshop 1: Post-resuscitation care

Instructors: Andrea Scapigliati & Tommaso Pelis

Book your seat at the ERC booth

Sala Azzurra 14:45 - 16:15

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Latest resuscitation trials 1: implications for practice

Chairs: Peter Morley & Jerry Nolan

Twitter Lead: Andy Lockey

Sala Europa 16:30 - 18:00

PARAMEDIC₂ - The Adrenaline Trial

Gavin Perkins (United Kingdom)

Panel discussion about PARAMEDIC₂ - The Adrenaline Trial

Peter Morley, Vinay Nadkarni, Jasmeet Soar, Bernd Böttiger, Robert W. Neumar, Theresa M. Olasveengen, Judith Finn, Jerry Nolan, John Long, Robert Spaight

AIRWAYS₂

Jonathan Benger (United Kingdom)

Pragmatic Airway Resuscitation Trial (PART)

Henry Wang (USA)

CAAM Study (France and Belgium)

Stefano Malinverni (Belgium)

Panel discussion about AIRWAYS₂, PART & CAAM Study

Jerry Nolan, Bernd Böttiger, Ruud Koster, Maaret Castrén, Charles Deakin, Robert Tino Greif, Kylie Dyson, Pierre Carli, John Long

CPR Competition (2)

Chairs: Robin Davies & Ferenc Sari

CPR platform 16:30 - 18:00

First round of the competition

Judges:

Diana Cimpoesu (Romania)

Anne Lippert (Denmark)

Souhail Alouini (Tunisia)

16:30-17:00 **Turkey**

17:00-17:30 **Finland**

17:30-18:00 **Malta**

Workshop 2: Post resuscitation care

Instructors: Andrea Scapigliati & Tommaso Pellis

Book your seat at the ERC booth

Sala Azzurra 16:30 - 18:00

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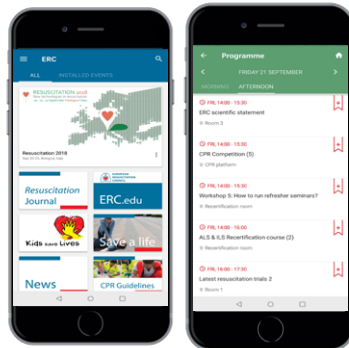
iPhone

Short link: <http://bit.ly/zvRc1wx>



Android

Short link: <http://bit.ly/zvRanL8>



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TEMPUS **ALS**

CAPTURE. CONNECT. DECIDE.



Come and
see a live
demonstration
& chat with
our team
on Stand F2



Meet Your: **Clinical Priorities**

Improve clinical & transport decisions -
backed up with accurate data



Meet Your: **Operational Imperatives**

Cut patient handover times, reduce A&E
queues, reduce risk



Meet Your: **Financial Requirements**

Work efficiently, optimise resource utilisation



All with the Tempus ALS* system **Half the size & weight**

Compared to other monitor/defibrillators



www.rdtltd.com

PHILIPS

RDТ, a Philips company

Technology enhanced learning

Chairs: Pascal Cassan & Ronald Melieste

Sala Europa 08:30 - 10:00

Social media to engage the population

Andy Lockety (United Kingdom)

Virtual reality for CPR training

Federico Semeraro (Italy)

Let's get CoSY - what's next?

Patrick Van de Voorde (Belgium)

Resuscitation Apps - what's out there?

Jasmeet Soar (United Kingdom)

ESICM - Joint Session - Round table

Chairs: Jerry Nolan & Kjetil Sunde

Sala Magenta 08:30 - 10:00

Prognostication after cardiac arrest

Jerry Nolan (United Kingdom)

Kjetil Sunde (Norway)

Claudio Sandroni (Italy)

Hans Friberg (Sweden)

Sam Parnia (USA)

National Resuscitation Councils Meeting

Chair: Diana Cimpoesu

Sala Italia 08:30 - 10:00

Friday September 21

CPR Competition (3)

Chairs: Ferenc Sari & Robin Davies

CPR platform 08:30 - 10:00

First round of the competition

Judges:

Koen Monsieurs (Belgium)

Adriana Boccuzzi (Italy)

Paulien Goossens (the Netherlands)

08:30-09:00 **Denmark**

09:00-09:30 **United Arab Emirates**

09:30-10:00 **Hungary**

Workshop 3: eCPR

Instructors: Georg Trummer, Christoph Benk,

Sala Azzurra 08:30 - 10:00

Domagoj Damjanovic, Christian Scherer,

Sam Brixius & Jan-Steffen Pooth

Book your seat at the ERC booth

10:00 - 10:30

Coffee break

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Best of the Best resuscitation science abstracts

Chairs: Jerry Nolan & Peter Morley *Sala Europa 10:30 - 11:30*

Judges: Maaret Castrén, Nikolaos Nikolaou,
Leo Bossaert & Hans Friberg

BoB1:

Impact of prehospital adrenaline in cases with emergency medical service performed defibrillation

BoB2

The adjusted incidence of shockable rhythm is high by the dispatcher assistance: A nationwide population based study

BoB3

Duration of cardiopulmonary resuscitation efforts in paediatric out-of-hospital cardiac arrests: is there an optimal endpoint?

BoB4

International variation in survival after out-of-hospital cardiac arrest: a validation study of the Utstein template.

BoB5

Pneumothorax in out-of-hospital resuscitation: The need for early diagnostics in a cardiac arrest center

Free paper session 1

Chairs: Violetta Raffay & Adelina Pereira *Sala Magenta 10:30 - 11:30*

AS001

Violet Code: from "Stay and Play" to the new concept "Stay not much and Run!" An ECLS OHCA pilot study by Helicopter Emergencies Medical Service

AS002

Feasibility of Resuscitative Endovascular Balloon Occlusion (REBOA) in Patients with Refractory Cardiac Arrest

AS003

End Tidal CO₂ vs. Cerebral Oximetry During Cardiopulmonary Resuscitation.

AS004

Performance of SOFA, SAVE, and SAPS₂ score in venoarterial extracorporeal membrane oxygenation (VA-ECMO) for cardiogenic shock and extracorporeal cardiopulmonary resuscitation (eCPR)

AS005

Vasopressor doses correlate with survival VA ECMO patients within the first 7 days.

AS006

When seconds count: The influence of early defibrillation by EMS on favourable outcome

AS007

Rhythm improvements from initial ECG rhythm before adrenaline administration influence prehospital ROSC in out-of-hospital cardiac arrest with non-shockable initial rhythm

AS008

Impedance Threshold Device and Active Decompression Improve Hemodynamics in Prolonged CPR

Free paper session 2

Chairs: Marios Georgiou & Jan-Thorsten Gräsner *Sala Italia 10:30 - 11:30***ASo09***Effect of Prophylactic Amiodarone Infusion on the Recurrence of Ventricular Arrhythmias in Out-of-Hospital Cardiac Arrest Survivors with Targeted Temperature Management***ASo10***Ten-year stepwise improving of the favorable neurological outcomes of OHCA patients with Public Access Defibrillation (PAD) in Japan.***ASo11***Evolution over Time of Vasopressor Dependency and Serum Lactate in a Porcine Model of Targeted Temperature Management at 34°C Versus 37°C After Cardiac Arrest***ASo12***The impact of resuscitation guideline terminology on CPR quality: a randomised controlled manikin study (The DIRECT study)***ASo13***Steroid use during post-arrest care is associated with better outcomes of cardiac arrest***ASo14***The Influence of Ongoing Bystander Chest Compressions (BCC) upon Calling-in on Dispatcher-Assisted Telephone Cardiopulmonary Resuscitation (DATCPR) Performance and Its Effects on Chest Compressions Continuances***ASo15***Chest Compression Quality Between Using Stretcher And Transfer Sheet for Out-Of-Hospital Cardiac Arrest Patient Transport in High-Rising Building***ASo16***Estimation of arterial carbon dioxide based on end-tidal gas pressures and oxygen saturation*

Free paper session 3

Chairs: Michael Kuiper & Nicolas Mpotos *Sala Azzurra 10:30 - 11:30***ASo17***A pilot study exploring the effect of a 360 degree film on first aid learners' likelihood to act in a first aid situation.***ASo18***Basic Life Support, Defibrillation and Quality CPR (Q CPR) programme for medical students: preliminary results***ASo19***Italian Resuscitation Council Post Resuscitation Care (PRC) course***ASo20***Virtual Reality CPR: a new way to learn CPR***ASo21***The best practical model for high-quality Mass-CPR training with real-time feedback: Q CPR Classroom***ASo22***Are they prepared? Training families of cardiac patients in basic life support. The CAREBAS project***ASo23***Incorporating basic life support training into cardiac rehabilitation programs: the CAREBAS project. Analysis of patients' performance***ASo24***Suppression of chest compression artefact to enhance reliability of capnography waveform analysis during cardiopulmonary resuscitation.*

Free paper session 4

Chairs: Uwe Kreimeier & Anatolij Truhlář

Sala Ciano 10:30 - 11:30

ASo25

"For the unquiet heart and brain": prevalence of psychiatric patients in the Pavia Cardiac Arrest REgistry (PaviaCARE)

ASo26

"For the unquiet heart and brain": prevalence of psychiatric patients in the Pavia Cardiac Arrest REgistry (PaviaCARE)

ASo27

How to find all out-of-hospital cardiac arrests (OHCA) that fill the inclusion criteria in the Norwegian cardiac arrest registry.

ASo28

Sex differences in survival after OHCA at successive stages of care.

ASo29

Health-related quality of life among in-hospital cardiac arrest survivors in working age

ASo30

Locations of out-of-hospital cardiac arrests and public-access defibrillators in relation to schools in an English ambulance service region

ASo31

Pulseless electrical activity is associated with improved survival in out-of-hospital cardiac arrest with initial non-shockable rhythm

ASo32

Association between epinephrine administration and cerebral function in same return of spontaneous circulation timing patients: a propensity-matched cohort study.

ASo33

Interaction effects between targeted temperature management and hypertension on survival outcomes after out-of-hospital cardiac arrest

Technology to save children?

Chairs: Jonathan Wyllie & Jozef Köppl

Sala Europa 11:30 - 13:00

Digital systems for monitoring vital signs

Meera Joshi (United Kingdom)

What can an oxygen saturation probe tell you?

Ian Maconochie (United Kingdom)

The value of point of care tests in pediatric emergencies?

Patrick Van de Voorde (Belgium)

Does cardiac screening save athletes lives?

Laurie J. Morrison (Canada)

New developments in research

Chairs: Bernd Böttiger &

Gamal Eldin Abbas

Sala Magenta 11:30 - 13:00

EuReCA TWO

Jan-Thorsten Gräsner (Germany)

ESCAPE-NET

Marieke Blom (the Netherlands)

Bayesian approaches

Lars W. Andersen (Denmark)

Efficient trial designs

Michael W. Donnino (USA)

Educator meeting (by invitation only)

Tutors: Robert Tino Greif & Patricia Conaghan & Andy Lockey *Sala Italia 11:30 - 13:00*

Outline of the content:

- Update on GIC developments (COSY 3.0)
- Feedback within the ERC courses
- Recertification and quality management of educators

CPR Competition (4)

Chairs: Ferenc Sari & Robin Davies *CPR Platform 11:30 - 13:00*

Judges:

Diana Cimpoesu (Romania)
Claudio Sandroni (Italy)
Clare Morden (United Kingdom)

11:30-12:00 **Austria**

12:00-12:30 **Danish EMS**

12:30-13:00 **Croatia**

Workshop 4: eCPR

Instructors: Georg Trummer, Christoph Benk, Domagoj Damjanovic, Christian Scherer, Sam Brixius & Jan-Steffen Pooth *Sala Azzurra 11:30 - 13:00*

Book your seat at the ERC booth

ALS & ILS Recertification course (1)

Instructors: *Sala Ciano 11:30 - 13:30*
 Carsten Lott, Joachim Schlieber,
 Francesc Carmona, Nicolas Mpotos
 & Mahmoud Tageldin Mustafa Mohamed

Book your seat at the ERC booth

13:00 - 14:00	Lunch
13:20 - 14:00	Poster tours 1 - 17 in Poster area

Check the app for updates.

The programme might have changed.

If there is a difference between the printed programme and the app; the app is always correct.

WIFI NETWORK name: erc2018

WIFI PASSWORD: Schiller

Poster tours

Poster area 13:20 - 14:00

Poster tour 1

(AP001- AP008)

Chairs: Marcus Ong & Clare Morden

Poster tour 2

(AP009- AP016)

Chairs: Robert W. Neumar & Salma Elkhazin

Poster tour 3

(AP017- AP024)

Chairs: Anne Lippert & Andrej Markota

Poster tour 4

(AP025- AP032)

Chairs: Thomas Keeble & Anne Josephine

Poster tour 5

(AP033- AP040)

Chairs: Bryan McNally & Aliaa Bedeir

Poster tour 6

(AP041- AP048)

Chairs: Ruud Koster & Jessica Rogers

Poster tour 7

(AP049- AP056)

Chairs: Marios Georgiou & Giovanni Babini

Poster tour 8

(AP057- AP064)

Chairs: 'Nici' Singletary & Alberto Cucini

Poster tour 9

(AP065- AP073)

Chairs: Gaythri Nadarajan & Sam Parnia

Poster tour 10

(AP074- AP081)

Chairs: Michael Kuiper & Andy Lockey

Poster tour 11

(AP082, 084, 085, 086, 087, 090, 093, 096)

Chairs: Jonathan Benger & Sabine Nabecker

Poster tour 12

(AP083, 088, 089, 091, 092, 094, 095, 097)

Chairs: Peter Morley & Cecilia Andrell

Poster tour 13

(AP098 - AP105 & AP114)

Chair: Andreas Claesson & Monique Majerus

Poster tour 14

(AP106- AP113)

Chair: Freddy Lippert

Poster tour 15

(AP115- AP122)

Chair: Paulien H. Goossens

Poster tour 16

(AP123- AP130)

Chair: Gisela Lilja

Poster tour 17

(AP131- AP138)

Chair: Lars Wik

Year in review

Chairs: Theresa M. Olasveengen & Hildigunnur Svavarsdóttir

Sala Europa 14:00 - 15:30

EMS Dispatch

Maaret Castrén (Finland)

Cardiac arrest treatment

Janet Bray (Australia)

Surviving cardiac arrest

Kirstie Haywood (United Kingdom)

Neonates

Chairs: Jonathan Wyllie & Ahmed Abulnahr (Samir)

Sala Magenta 14:00 - 15:30

Delayed cord clamping: Low tech the way ahead?

Jonathan Wyllie (United Kingdom)

Technology needed to Resuscitate babies next to their mothers

Joe Fawke (United Kingdom)

Neonatal Respiratory function monitors - ready for prime time neonatal resuscitation

Arjan te Pas (the Netherlands)

Keeping babies warm during resuscitation- how does technology help?

Daniele Trevisanuto (Italy)

ERC scientific statements meeting (by invitation only)

Chair: Gavin Perkins *Sala Italia 14:00 - 15:30*

CPR Competition (5)

Chairs: Ferenc Sari & Robin Davies *CPR platform 14:00 - 15:30*

Judges:

Joachim Schlieber (Austria)

Clare Morden (UK)

Lucas Pflanzl-Knizacek (Austria)

14:00-14:30 Training & Education Center

14:30-15:00 Danish Team 2

15:00-15:30 Portugal

Workshop 5: How to run Refresher Seminars?

Instructors: Nikoloas Nikolaou, *Sala Azzurra 14:00 - 15:30*
Robert Tino Greif & Diana Cimpoesu

ALS & ILS Recertification course (2)

Instructors: *Sala Ciano 14:00 - 16:00*
Carsten Lott, Joachim Schlieber,

Francesc Carmona, Nicolas Mpotos &

Mahmoud Tageldin Mustafa Mohamed

Book your seat at the ERC booth

15:30 - 16:00

Coffee break

Latest resuscitation trials 2

Chairs: Gavin Perkins & Patrick Van de Voorde *Sala Europa 16:00 - 17:30*
Twitter Lead: Andy Lockey

ALPS (amiodarone, lidocaine, placebo study)

Peter J. Kudenchuk (USA)

Panel Discussion about APLS

Michael W. Donnino, Andrea Scapigliati, Jasmeet Soar, Laurie J. Morrison, Judith Finn,
John Long, Imogen Gunsen

Therapeutic Hypothermia After Pediatric Cardiac Arrest (THAPCA)

Vinay Nadkarni (USA)

Therapeutic hypothermia in new borns after hypoxic-ischemic encephalopathy

Myra H. Wyckoff (USA)

Panel Discussion about THAPCA & Therapeutic hypothermia in new borns after after
hypoxic-ischemic encephalopathy

Jonathan Wyllie, Ian Maconochie, Lars W. Andersen, Joe Fawke, Farhan Bhanji, John Long,
John Madar

Continuous versus interrupted chest compressions

Henry Wang (USA)

Panel Discussion about Continuous versus interrupted chest compressions

Henry Wang, Jasmeet Soar, Koen Monsieurs, Michael W. Donnino, Claudio Sandroni, John
Long, Nigel Rees

Technology to support pre-hospital care

**Chairs: Hildigunnur Svavarsdóttir &
Sule Akin Enes**

Sala Magenta 16:00 - 17:30

How technology can support major incidents?

Pierre Carli (France)

Ambulance systems

Marcus Ong (Singapore)

Control of severe bleeding with a focus on the newer technological advances

'Nici' Singletary (USA)

How does technology help you evaluate the evidence?

Peter Morley (Australia)

ERC Research NET

Chair: Bernd Böttiger

Sala Italia 16:00 - 17:30

Friday September 21

European Resuscitation Academy Alumni Meeting

Chair: Maaret Castrén

Sala Rossa 16:00 - 17:30

Workshop 6: Augmented / Virtual reality

**Instructors: Federico Semeraro &
Lorenzo Casanova**

Sala Azzurra 16:00 - 17:30

Technologies to monitor and prevent deterioration

Chairs: Marios Georgiou & Primoz Gradisek *Sala Europa 08:30 - 10:00*

Sensor technologies to detect deterioration

Richard Beale (United Kingdom)

Machine learning to improve recognition of critically ill

Dana Edelson (USA)

Closing the loop

Michael Parr (Australia)

Monitoring hospital level performance

Jerry Nolan (United Kingdom)

ESC - Joint Session - Pro-con

Chairs: Judith Finn & Peter Morley *Sala Magenta 08:30 - 10:00*

All patients with sustained ROSC should go for urgent coronary angiography after cardiac arrest

pro: *Kjetil Sunde (Norway)*

con: *Nikolaos Nikolaou (Greece)*

Cardiac arrest centres improve patient outcomes

pro: *Janet Bray (Australia)*

con: *Koen Monsieurs (Belgium)*

EuReCa network

Chairs: Jan-Thorsten Gräsner & Leo Bossaert *Sala Italia 08:30 - 10:00*

EuReCa TWO – an overview

Ingvild Tjelmeland (Norway)

EuReCa TWO – first results

Jan Wnent (Germany)

EuReCa TWO – how to proceed?

Siobhan Masterson (Ireland)

EuReCa Nr. ... - should we go on?

Jan-Thorsten Gräsner

Workshop 7 : How to teach NTS?

Instructors: Joachim Schlieber & Carsten Lott *Sala Azzurra 08:30 - 10:00*

Science & Education Committee EPALS - open meeting

Chair: Patrick Van de Voorde *Sala Rossa 08:30 - 10:00*

10:00 - 10:30

Coffee break

Young Investigator Competition

**Chairs: Gavin Perkins &
Hildigunnur Svavarsdóttir**

Sala Europa 10:30 - 11:30

Judges:

**John Long, Laurie J. Morrison, Nicolas Mpotos, Robert W. Neumar &
Vinay Nadkarni**

Petter Steen competition

Angel Caballero

Yasmeen Taalab

Ian Jacobs competition

Assim Ali Mohamed Rashoud Alhmoudi

Martina Fiori

Kylie Dyson

Free Paper session 5

**Chairs: Souhail Alouini &
Simon Attard Montalto**

Sala Magenta 10:30 - 11:30

ASo34

Exercise-related out of hospital cardiac arrest in Victoria, Australia

ASo35

Automated ventilation to control hypocapnia in post cardiac arrest patients

ASo36

Cut-off values for serum potassium and core temperature at hospital admission for extracorporeal rewarming of avalanche victims in cardiac arrest

ASo37

Future directions in resuscitation care: towards early detection of myocardial infarction through a novel approach of VF-waveform analysis

ASo38

Targeted Temperature Management protects murine primary cardiomyocytes from Ischaemia/Reperfusion-induced injury and prevents the onset of sterile inflammation by attenuating the release of DAMPs

ASo39

Outcome in potential candidates for extracorporeal cardiopulmonary resuscitation after refractory out-of-hospital cardiac arrest treated with conventional advanced life support

ASo40

Point-of-Care lab in out-of-hospital cardiac arrest: The incidence of hyperkalaemia and hypokalaemia

ASo41

A machine learning approach to model a probabilistic relationship between parameters reflecting quality of chest compressions and physiological response during out-of-hospital cardiopulmonary resuscitation

Free Paper session 6

Chairs: Adriana Boccuzzi & Carlo Clarens

Sala Italia 10:30 - 11:30

ASo42

Using a smartphone application (PocketCPR) to determine CPR quality in a bystander CPR scenario

ASo43

Are school hours associated with better outcomes of out-of-hospital cardiac arrest in school children? A propensity-matched cohort study

ASo44

Evaluation of the quality of cardiopulmonary resuscitation according to vehicle driving pattern, using a virtual reality ambulance driving system: A prospective, crossover, randomised study

ASo45

Improvements in Bystander CPR Rates and Survival for Out-of-Hospital Cardiac Arrest with a Comprehensive Dispatcher-Assisted CPR program in Singapore

ASo46

Short EMS Scene Time Interval in out-of-hospital-cardiac arrest results in higher rates of favorable outcome and is imperative for eCPR

ASo47

How does cardiac arrest of traumatic origin affect the prognosis of children?

ASo48

Prehospital physician's presence and neurological outcome among patients with out-of-hospital cardiac arrest: a multicenter cohort study

Saturday September 22

Technology to enhance recovery after cardiac arrest

Chairs: Hildigunnur Svavarsdóttir & Diana Cimpoesu

Sala Europa 11:30 - 13:00

Technology to enhance recovery after cardiac arrest

Ruud Koster (the Netherlands)

Cognitive rehabilitation

Gisela Lilja (Sweden)

Physical rehabilitation

Paulien H. Goossens (the Netherlands)

Technology to support patients and relatives

Thomas R. Keeble (United Kingdom)

How networks use technology

Chairs: Michael Kuiper & Jacques Delchef

Sala Magenta 11:30 - 13:00

Cardiac Arrest Registry to Enhance Survival (CARES)

Bryan McNally (USA)

Global Resuscitation Alliance

Freddy Lippert (Denmark)

European Resuscitation Academy

David Bywater (United Kingdom)

Resource limited settings

Marcus Ong (Singapore), Gayathri Nadarajan (Singapore)

YOUNG ERC - Trainees network

Chair: Clare Morden

Sala Italia 11:30 - 13:00

CPR Competition: Finals

Chairs: Robin Davies & Ferenc Sari

CPR Platform 11:30 - 13:00

Judges:

Patrick Van de Voorde (Belgium)

Andy Lockey (United Kingdom)

Ian Maconochie (United Kingdom)

11:30-12:00 **Finalist 1**

12:00-12:30 **Finalist 2**

12:30-13:00 **Finalist 3**

Workshop 8: Kids save lives

Instructors: Bernd Böttiger &
Federico Semeraro

Sala Azzurra 11:30 - 13:00

Book your seat at the ERC booth

EPBLS Course

Instructors: Patrick Van de Voorde, Walter Renier & Dominique Biarent

Book your seat at the ERC booth

Sala Ciano 11:30 - 13:00

13:00 - 14:00	Lunch
13:20 - 14:00	Poster tours 18 - 34 in Poster area
13:20 - 14:00	Kids save lives on stage in exhibition

Poster tours

Poster area 13:20 - 14:00

Poster tour 18

(AP139- AP146)

Chairs: Patrick Van de Voorde & Clare Morden

Poster tour 19

(AP147- AP154)

Chair: Anatolij Truhlar

Poster tour 20

(AP155- AP162)

Chair: Jan-Thorsten Gräsner

Poster tour 21

(AP163- AP170)

Chair: Jonathan Wyllie

Poster tour 22

(AP171- AP175 & AP211)

Chairs: Mattias Ringh & Salma Elkhazin

Poster tour 23

(AP176- AP183)

Chairs: Kylie Dyson & Andrej Markota

Poster tour 24

(AP184 - AP191)

Chairs: Carlo Clarens & Anne Josephine

Poster tour 25

(AP192- AP199)

Chairs: Anne Lippert & Aliaa Bedeir

Poster tour 26

(AP200- AP207)

Chairs: Bernd Böttiger

Poster tour 27

(AP209- AP216, excluding AP211)

Chairs: Farhan Bhanji & Lars W. Andersen

Poster tour 28

(AP217- AP224)

Chairs: Ian Maconochie & Cecilia Andrell

Poster tour 29

(AP225- AP233, excluding AP228)

Chairs: Claudio Sandroni & Monique Majerus

Poster tour 30

(AP234- AP240 & AP228)

Chairs: Andy Lockey & Sabine Nabecker

Poster tour 31

(AP241- AP248)

Chairs: Joe Fawke & Alberto Cucini

Poster tour 32

(AP249- AP256)

Chairs: Nikolaos Nikolaou & Giovanni Babini

Poster tour 33

(AP257- AP263)

Chair: Theresa M. Olasveengen

Poster tour 34

(AP264- AP271)

Chairs: Giuseppe Ristagno & Jessica Rogers

Back to the future

Chairs: Clare Morden & Judith Finn

Sala Europa 14:00 - 15:30

Lessons from the past we shouldn't forget

Jerry Nolan (United Kingdom)

Insights from science fiction

Federico Semeraro (Italy)

Conscious awareness, mental and cognitive experiences during cardiac arrest

Sam Parnia (USA)

Technologies of the future

Jasmeet Soar (United Kingdom)

ESA - Joint Session - Pro-con

Chairs: Swee-Han Lim & Peter Morley

Sala Magenta 14:00 - 15:30

ETCO₂ indicates quality of CPR during CPR

pro: Lars Wik (Norway)

con: Laurie J. Morrison (Canada)

ECPR: More is Better

pro: Robert W. Neumar (USA)

con: Jonathan Benger (United Kingdom)

Saturday September 22

Workshop 9 : Feedback

**Instructors: Robert Tino Greif, Farhan Bhanji
& Patricia Conaghan**

Sala Azzurra 14:00 - 15:30

Book your seat at the ERC booth

Pop-up platform - Industry presentation

CPR Platform 14:00 - 15:30

15:30 - 15:45

Break

Check the app for updates.

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Closing Ceremony

Chairs: Jerry Nolan & Gavin Perkins

Sala Europa 15:45 - 17:00

Negovsky memorial lecture:

Will this patient recover consciousness after cardiac arrest?

Claudio Sandroni (Italy)

Best of the Best & Young Investigator awards

Winner of the CPR competition

New Honorary Members & Fellows

Outlook for Resuscitation 2019

Closing words



FRED PA-1

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- ❖ Pre-connected electrodes for faster application
- ❖ Chest compression assistant
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The membership fee is **€100 for 12 months**. Here is an overview of what is included in your membership fee.

- Twelve editions of the Resuscitation Journal
- Access to all previous Journal editions
- Discounted rates at ERC conferences

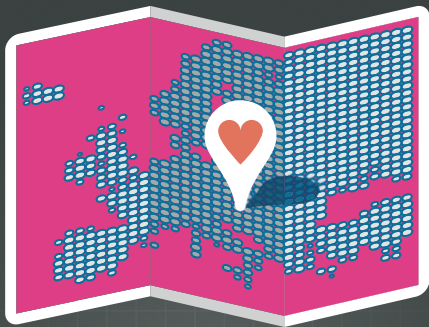
Elsevier and ERC have decided to discontinue the paper version of the Journal. From now on the journal will only be available as online pdf.

Following from this decision we have been able to lower the membership fee to **€100 for 12 months**.

Via the Resuscitation app you can now enjoy the Journal on your iOS and Android device

Active ERC Full Instructors automatically receive a **€15 discount**. If you are also a member of a partner National Resuscitation Council, they can provide you with a discount code for a further €10.

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RESUSCITATION 2019

Controversies in Resuscitation

19 - 21 September • Ljubljana • Slovenia



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