



The Intensive Connection

LIVES PHYSIOLOGY PRAGUE 6-8 FEBRUARY 2020

Network:
ESICM2020
Password:
esicm2020



@ESICM
#physiology

FINAL PROGRAMME

www.esicm.org/events

CONFERENCE HOURS



SHARE YOUR CONFERENCE EXPERIENCE
TELL THE WORLD!

REGISTRATION & SLIDE PREVIEW

Thursday 6 February 2020	11:30-19:30
Friday 7 February 2020	07:30-18:00
Saturday 8 February 2020	08:00-13:00

CONFERENCE BADGE

Please wear your badge at all times in the rooms and exhibition.

NON-SMOKING CONFERENCE

ESICM thanks participants in advance for respecting the "non-smoking" policy of the conference. Smoking is not permitted anywhere in the conference centre.

CONFERENCE & EXHIBITION

Thursday 6 February 2020	13:30-19:30
Networking Reception	18:30-19:30
Friday 7 February 2020	08:30-18:00
Saturday 8 February 2020	09:00-13:00

CONFERENCE LANGUAGE

The official language of the conference is English. There will be no simultaneous translation.

DISCLAIMER

The organisers accept no liability for injuries or losses of any nature incurred by participants and/or accompanying persons, nor for loss or damage to luggage and/or personal belongings.

WELCOME

FROM THE CONFERENCE DIRECTORS



ARMAND GIRBES
Chair, ESICM Division of Scientific Affairs



FRANTISEK DUSKA
Chair, ESICM Division of Professional Development

ESICM, together with the Czech Society of Intensive Care Medicine (CSIM), welcome you very warmly to the beautiful city of Prague for the ESICM LIVES Physiology Conference 2020.

This conference is a new addition to the ESICM calendar. The programme has been created to take your knowledge of physiology to a new level, providing insights that will help you in the everyday clinical problems you face, as well as deepen your understanding of how to manage more complex cases.

You will be hearing from a learned faculty of international experts, as well as having the opportunity to work in small groups on case studies, or take part in interactive simulation exercises. During the three days we will be looking at all the essential elements of physiology: heart and lung, fluids, ECMO, vasoactive substances and fluids, nutrition, muscle, bioenergetics, pharmacokinetics and homeostasis.

As well as the scientific programme, we hope you will join us at our networking reception, which is an equally important element of our conferences. Our conference exhibition will be open throughout the conference.

On behalf of the Organising Committee, we wish you an exciting learning experience, in good company and in beautiful surroundings.

FACULTY*



Tom Barnes
UK



Rinaldo Bellomo
AU



Heder de Vries
NL



Didier Dreyfuss
FR



František Duška
CZ



Paul Elbers
NL



Luciano Gattinoni
DE



Armand Girbes
NL



Leo Heunks
NL



Kateřina Jiroutková
CZ



Jozef Kesecioglu
NL



Marco Maggiorini
CH



Mikuláš Mlček
CZ



Susanna Price
UK



Mervyn Singer
UK



Elena Spinelli
IT



Vladimír Šrámek
CZ



Jukka Takala
CH



Niels
Van Regenmortel
BE



Antoine
Vieillard-Baron
FR

CERTIFICATE OF ATTENDANCE / CME CREDITS

LIVES PHYSIOLOGY 2020 has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME®) with **15 European CME credits (ECMEC®s)**.

Please note: each medical specialist should be careful to claim only the hours spent in an educational activity.

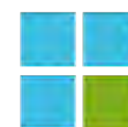
Through an agreement between the Union Européenne des Médecins Spécialistes and the American Medical Association, physicians may convert EACCME® credits to an equivalent number of AMA PRA Category 1 Credits™.

Live educational activities, occurring outside of Canada, recognised by the UEMS-EACCME® for ECMEC®s 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.

After the conference, you will receive an email inviting you to log on to our platform and download your certificate.

SUPPORTING ORGANISATION

ESICM would like to thank:



ČESKÁ SPOLEČNOST
INTENZIVNÍ MEDICÍNY

THURSDAY 6 FEBRUARY 2020_PANORAMA HALL, LEVEL 1

13:30 13:45	INTRODUCTION AND WELCOME TO PRAGUE	J. KESECIOGLU V. SRAMEK A. GIRBES F. DUSKA
13:45 15:15	THE LUNGS	D. DREYFUSS
13:45	The normal lung: Three physiological concepts that I consider most important	L. Heunks
14:15	The sick lung: Three physiological concepts that I consider most useful at the bedside	L. Gattinoni
14:45	Physiology of positive pressure ventilation	T. Barnes
15:15 15:45	COFFEE BREAK_ZOOM - EXHIBITION AREA, LEVEL 1	
15:45 16:45	RIGHT VENTRICLE	J. TAKALA
15:45	The right ventricle and heart-lung interaction	M. Maggiorini
16:15	Venous return/pre-load	S. Price
16:45 17:00	BREAK	
17:00 18:00	HAEMODYNAMICS - NORMAL AND ARTIFICIAL	S. PRICE
17:00	The left ventricle and positive pressure ventilation	A. Vieillard-Baron
17:30	VV and VA ECMO - How unphysiological can it be?	L. Gattinoni
18:00 18:30	EASIER SET THAN UNDERSTOOD	J. TAKALA
18:00	Case: How I will set the PEEP	K. Jiroutková
18:03	Discussion	L. Gattinoni A. Vieillard-Baron T. Barnes
18:30 19:30	NETWORKING RECEPTION_ZOOM - EXHIBITION AREA, LEVEL 1	

FRIDAY 7 FEBRUARY 2020_PANORAMA HALL, LEVEL 1

08:30 09:30	GAS EXCHANGE AND MICROCIRCULATION	J. KESECIOGLU
08:30	Transport of blood gases, Haldane's effect and clinical application	J. Takala
09:00	The physiology of the classical and non-classical angiotensin II system and its relevance to critical illness	R. Bellomo
09:30 09:45	BREAK	
09:45 10:45	HOMEOSTASIS	L. GATTINONI
09:45	Homeostasis I. Water and ions	N. Van Regenmortel
10:15	Homeostasis II. Acid-base	F. Duška
10:45 11:15	COFFEE BREAK_ZOOM - EXHIBITION AREA, LEVEL 1	
11:15 13:30	FROM BENCH TO BEDSIDE	T. BARNES
11:15	Basics of pharmacokinetics	A. Girbes
11:45	Demonstration of dosing in a model using Excel	P. Elbers
12:15	Using all this basic physiology knowledge in the treatment of sepsis	M. Singer
12:45	Using all this basic physiology knowledge to prevent VILI	D. Dreyfuss
13:15	My comments on sepsis treatment and VILI prevention	L. Gattinoni
13:30 14:15	LUNCH BREAK_ZOOM - EXHIBITION AREA, LEVEL 1	
14:15 17:15	INTERACTIVE ROTATIONS	
	CLUB E Homeostasis and acid-base	P. Elbers F. Duška N. Van Regenmortel
	CLUB B + C Haemodynamic focus	M. Maggiorini S. Price K. Jiroutková
	PANORAMA Ventilation A	L. Gattinoni E. Spinelli M. Mlček
	CLUB A Ventilation B	L. Heunks H. de Vries
	ZOOM Meet the experts	A. Girbes R. Bellomo
	ZOOM Refreshment break	
17:15 18:00	WRAP-UP	T. BARNES J. TAKALA
17:15	What I found striking to learn - Homeostasis	N. Van Regenmortel
17:30	What I found striking to learn - Haemodynamics	M. Singer
17:45	What I found striking to learn - Ventilator settings	L. Heunks

SATURDAY 8 FEBRUARY 2020_PANORAMA HALL, LEVEL 1

09:00 10:45	CELLULAR BIOENERGETICS AND EXTREME ENVIRONMENTS	D. DREYFUSS F. DUSKA
09:00	Bioenergetic failure in critical illness	M. Singer
09:45	Comparative physiology	M. Maggiorini
10:30	Discussion	
10:45 11:15	COFFEE BREAK_ZOOM - EXHIBITION AREA, LEVEL 1	
11:15 12:45	POINT OF VIEW MATTERS	J. TAKALA M. SINGER
11:15	I have a problem with RCTs	A. Girbes
11:45	I have a problem without RCTs and only physiology	R. Bellomo
12:15	How can we continue to make progress as a doctor and a scientist?	L. Gattinoni
12:45 13:00	FINAL WORDS, GROUP PHOTO AND FAREWELL	J. KESECIOGLU V. SRAMEK A. GIRBES F. DUSKA

**CONFERENCE
& EXHIBITION MAP, LEVEL 1**



BOOST YOUR CAREER

with ESICM Education



2020	MASTER CLASSES BRUSSELS	EVENTS
21-22 JAN	Sepsis and Severe Infections	 CRITICAL CARE DATATHON 31 JAN-2 FEB • MILAN
24-26 FEB	Haemodynamic Monitoring	 LIVES PHYSIOLOGY 6-8 FEB • PRAGUE
MAR		
27-28 APR	European Perioperative Intensive Care Curriculum	 LIVES FORUM 14-16 MAY • DUBLIN
12-13 MAY	Renal Replacement Therapy in ICU State of the Art	 SHANGHAI SYMPOSIUM 3-5 JULY • SHANGHAI
15-17 JUN	Mechanical Ventilation State of the Art	 EUROASIA 11-13 SEPT • TAIPEI
JUL		
AUG		
15-17 SEP	Advanced Bedside Monitoring in ARF	 LIVES 2020 10-14 OCT • MADRID
OCT		
17-18 NOV	The Art of Trauma Care	
10-11 DEC	Core Critical Care Ultrasound	

SUPPORTING SPONSORS

ESICM would like to thank the following exhibitor:

LINET Group

ESICM would like to thank the following companies for kindly donating devices for use at this event:

- GETINGE
- HAMILTON MEDICAL

This event is compliant with the **MedTech Europe Code of Ethical Business Practice**.



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LIVES 2020

**33RD ANNUAL
CONGRESS**

MADRID-IFEMA

10-14 OCTOBER

www.esicm.org

**ABSTRACT DEADLINE
14TH APRIL 2020**