

15-September-2020

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COVID-19: organization

[Standard presentation]
Comparison of health authority interventions
Djillali Annane
Rethinking the hospital: more ICU beds or smart monitoring on the wards?
Frédéric Michard
Preparing the ICU for a pandemic:
Fabio Guarracino
Leadership during a crisis
Maurizio Cecconi
Moral injury to healthcare professionals
Jozef Kesecioglu
Psychological support of the team
Stephen Brett
How to evaluate ICU performance
Jean-Daniel Chiche
How news reports influence management
Daniel Brodie

COVID-19: how to find the resources?

[Standard presentation]
Organizational challenges
Ricard Ferrer
We can deploy a military hospital
Michael Reade
We can transfer some patients to other hospitals
Lionel Lamhaut

We can find doctors and nurses in other places
Armand Girbes

We can use more tele-critical care
Timothy G. Buchman

We can use basic, pneumatic ventilators
Alain Mercat

We can make 10,000 CPAP devices in 4 weeks
Mervyn Singer

We can better support early discharge home
Timothy Walsh

COVID-19: the basics

[Standard presentation]
Procoagulant response
Tom van der Poll
Complex immune dysregulation
Evangelos Giamarellos–Bourboulis
Kawasaki-like disease in some

B

Basic aspects

[Standard presentation]
Interpretation of arterial blood gases
Marek Mirski
What you should know about genomics
Anthony McLean
Understanding mitochondrial physiology
Mervyn Singer

The surgical patient

[Standard presentation]
Multimodal general anesthesia: when and why
Emery N Brown
Individualized perioperative goal-directed therapy
Bernd Saugel
Closed-loop vasopressor titration
Alexandre Joosten
Optimal ventilatory management
Samir Jaber
Perioperative brain health
Susana Vacas

Hematological challenges

[Standard presentation]
Thrombocytopenia in critical illness
Ryan Zarychanski
Thrombotic microangiopathy: TTP and HUS
Elie Azoulay
Anemia after ICU discharge
Timothy Walsh

Women in intensive care

[Round table]
Women in intensive care
E Wesley Ely
Elisabeth De Waele
Flavia Machado
Nicole Juffermans

Fluid balance

[Standard presentation]
Can we measure the capillary leak?
Jan Bakker
How to do a fluid challenge
Jean-Louis Vincent

In whom should I predict fluid responsiveness?
Xavier Monnet

I like end-expiratory occlusion test and tidal volume challenge
Jean-Louis Teboul

Fluid management in polytrauma

16-September-2020

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Phenotypes: yes or no?

[Standard presentation]
In sepsis: where is the truth? -
Christopher Seymour
Do we even need 'ARDS'?
Carolyn S Calfee
'AKI' definitions: time for a change?
John Kellum
There are many new critical illness syndromes
Kenneth Bailie

Sepsis

[Standard presentation]
The sepsis hypothesis is simply wrong
John C Marshall
Sepsis phenotypes and endotypes: the way forward?
Thierry Calandra

Macrophage activation-like syndrome
Tom van der Poll

Hypothermic sepsis
Nicole Juffermans

Assesment of the host response to infection as a diagnostic tool
Louis Kreitmann

Skeletal muscles are forgotten
Djillali Annane

Sepsis attributable mortality
Fernando Zampieri

What is happening to vitamin C?
Greg Martin

From high to mega-dose of vitamin C
Rinaldo Bellomo

Adrecizumab in patients with high adrenomedullin levels
Pierre-François Laterre

Cholesterol: chewing the fat as a sepsis therapy?
Mervyn Singer

Sex hormones are most exciting
Peter Pickkers

COVID-19: what I've learned

[Round table]
COVID-19: what I've learned
Arthur S Slutsky
Elie Azoulay
Giacomo Grasselli
Ricard Ferrer

ECMO in COVID-19

[Meet the experts]
ECMO in COVID-19
Alain Combes
Daniel Brodie

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Nutritional support

[Standard presentation]
Why is early full feeding deleterious?
Mette M Berger
Which nutrition guideline should we follow?
Gunnar Elke
Personalized nutrition in the ICU
Pierre Singer
Intermittent versus continuous enteral feeding
Jean-Charles Preiser

Effects of crystalloids and colloids on enteral nutrition tolerance
Djillali Annane

Nutrition in the obese patient
Paul Wischmeyer

Metabolic support

[Standard presentation]
A new look at the corticosteroid story
Greet Van den Berghe

Personalized glycemic control
Jean-Charles Preiser

Metabolic acidosis: any new place for bicarbonate administration?
Samir Jaber

Acute vs chronic hyponatremia: where is the limit
Marek Mirski

GI tract

[Standard presentation]
Role of the GI tract in MODS revisited
John C Marshall

The microbiome and probiotics will change the world
Paul Wischmeyer

How do we protect the gut in critical illness
Craig M Coopersmith

Which patients should receive stress ulcer prophylaxis?
Annika Reintam-Blaser

There are new ways to measure intrabdominal pressure
Manu Malbrain

When to measure and when to treat intra-abdominal hypertension
Annika Reintam-Blaser

Management of decompensated cirrhosis
Paolo Caraceni

How to diagnose sepsis in cirrhotic patients?

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COVID-19: bacterial (super)infections

[Standard presentation]
Are they common?
Ricard Ferrer
When to give antibiotics
Hallie Prescott
Role of bronchoscopic sampling and molecular techniques
Richard Wunderink
Emergence of Aspergillus and other viruses
Nicole Juffermans

Nosocomial infections are a serious problem
Giacomo Grasselli

A multiplex PCR assay can orient antibiotic prescription
Louis Kreitmann

Optimal antibiotic strategies
Matteo Bassetti

COVID-19: therapies

[Standard presentation]
Thromboprophylaxis
Beverley Hunt

Anticoagulant therapy
Ryan Zarychanski

Nebulized heparin
Frank van Haren

Virus-specific antibodies
Michel Goldman

Corticosteroids
Robert Fowler

Targeting cytokines
Frank van de Veerdon

Targeting IL-1
Peter Pickkers

Targeting the complement system
Djillali Annane

Targeting TLR4
Christopher Seymour

Recombinant ACE2
Arthur S Slutsky

Other options
Srinivas Murthy

The challenges of conducting clinical trials in a pandemic
Ryan Zarychanski

Where I would put my money
Tobias Welte

COVID-19 : the complex question of mortality

[Standard presentation]
It is the host response that causes mortality
Kenneth Bailie
COVID-19 as a cause of cardiac arrest

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Respiratory monitoring

[Standard presentation]
Progress in pulse oximetry
Frédéric Michard
Transpulmonary pressure-guided ventilation does make a difference
Daniel Talmor
New developments in electrical impedance tomography
Marcelo Amato

How respiratory mechanics are associated with outcome
Giacomo Bellani

Reverse triggering: what's the meaning of this asynchrony?
Laurent Brochard

Respiratory monitoring during spontaneous assisted breathing
Giacomo Grasselli

Matching respiratory physiology and lung imaging
Antonio Pesenti

Minimizing VILI

[Standard presentation]
Micromechanical causes of VILI
John J Marini

Lung and diaphragm-protective ventilation: why and how
Ewan Goligher

Monitoring driving pressure and respiratory rate: it's all you need
Marcelo Amato

ARDS

[Standard presentation]
ARDS: do we need the syndrome?
Antonio Pesenti

When should we apply a recruitment maneuver?
Marcelo Amato

Why and how to assess recruitment in ARDS
Laurent Brochard

How to use PEEP in the prone position
Paolo Pelosi

How to set the right PEEP
Niall Ferguson

Hemodynamic effects of ARDS management
Michel Slama

Mechanical ventilation

[Standard presentation]
Protective ventilation: not only in ARDS

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Shock

[Standard presentation]
Treating sepsis in the prehospital setting
Damon Scales
We can predict hypotension
Thomas Scheeren
Any place for vasoactive drugs in early sepsis?
Chryssa Pourzitaki
Assessment of shock in the ICU: integrating heart and circulation
Fabio Guarracino

Tissue perfusion
Jacques Creteur

What matters is the tissue red blood cell perfusion
Can Ince

How I assess tissue hypoxia at the bedside
Xavier Monnet

The current place of vasopressin
Andreas Duma

How we can use vasopressin practically
Arthur van Zanten

Combining fluids and vasopressors makes a lot of sense
Jean-Louis Teboul

We need personalized blood pressure targets
Frank van Haren

Cardiogenic shock

[Standard presentation]
Revascularization
Holger Thiele

After cardiac arrest
Alain Cariou

VA-ECMO
Alain Combes

ECMO as temporary support
Roberto Lorusso

Cardiac assistance: what kind of hemodynamic monitoring
L Christian Napp

Cardiac assistance: how to assess tissue perfusion?
Sabino Scollotta

Hemodynamic monitoring

[Standard presentation]
From clinical examination to advanced monitoring
Maurizio Cecconi
Left ventricular contractility assessment by echo: not just LVEF
Anthony McLean
Biventricular interdependence:

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Sedation

[Standard presentation]
Electrophysiological monitoring in paralyzed patients
Jan Claassen
Sedation in the neurological patient
Victoria McCredie
Propofol, dexmedetomidine or clonidine?
Timothy Walsh
Propofol can contribute to ICU-acquired weakness
Paul Wischmeyer

Emergencies

[Standard presentation]
Rationale and strategies for bringing O+ blood to the civilian prehospital setting
Paul E Pepe

Can we agree on the management of burns?
Michael Reade

Status epilepticus
Paul Vespa

Long-term outcomes

[Standard presentation]
Psychology and physiology of recovery
Stephen Brett

Mental health outcomes after COVID-19
Elie Azoulay

Goal-directed therapy should start at ICU admission
Mark Mikkelsen

We must improve post-ICU rehabilitation
Paul Wischmeyer

We can predict the risk of rehospitalization in sepsis survivors
Manu Shankar–Hari

Predictors of adherence to a follow-up clinic
Jean-Charles Preiser

The future

[Standard presentation]
How we can predict impending cardiorespiratory insufficiency?
Michael R. Pinsky

A glimpse into the future of blood pressure monitoring
Frédéric Michard

The future of hemodynamic monitoring
Thomas Scheeren

Predicting major complications with AI
Jean-Daniel Chiche

[Evangelos Giamarellos-Bourboulis](#)

How we can improve antimicrobial stewardship
[Marc Leone](#)

Phages: current status
[Xavier Wittebole](#)

Serial measurements of BD glucan and Ag/Ab mannans to predict fungal infection
[Jean-François Timsit](#)

Candida auris: the new yeast threat
[Thierry Calandra](#)

RSV infection in the ICU
[David Grimaldi](#)

CAP and VAP

[Standard presentation]

New guidelines for severe CAP

[Michael S Niederman](#)

Corticosteroids for community-acquired pneumonia
[Djillali Annane](#)

Does subglottic colonization predict VAP onset?
[Massimo Antonelli](#)

Aerosolized therapy for VAP
[Michael S Niederman](#)

Managing conflicts

[Meet the experts]

Managing conflicts
[Elie Azoulay](#)
[Victoria Metaxa](#)

[Standard presentation]

Pathophysiology
[Claudio Ronco](#)

Epidemiology
[Stephane Gaudry](#)

Outcomes
[Eric Hoste](#)

The best option(s) for renal replacement therapy
[Antoine Schneider](#)

Renal replacement therapy is a real challenge
[Marlies Ostermann](#)

Let's put it all together
[John Kellum](#)

COVID-19: the other organs

[Standard presentation]

The heart
[Daniel De Backer](#)

Echocardiographic patterns are diverse
[Antoine Vieillard-Baron](#)

The brain
[Sherry Hsiang-Yi Chou](#)

Is there an increased risk of stroke?
[Claude Hemphill](#)

There are other neurologic complications
[Romain Sonnevile](#)

Delirium - the contribution of sedation
[E Wesley Ely](#)

Coagulopathy: is it DIC?
[Beverley Hunt](#)

The risk of pulmonary embolism
[Peter Pickkers](#)

Nutritional aspects
[Gunnar Elke](#)

Those patients are often overfed early and underfed later

[Paul Wischmeyer](#)

Renal replacement therapy

[Meet the experts]

Renal replacement therapy
[Claudio Ronco](#)
[John Kellum](#)
[Marlies Ostermann](#)

and without invasive monitoring

[Randall Chesnut](#)

Brain CT to guide management
[Peter Le Roux](#)

Balancing the risks of clot vs bleed after TBI

[Damon Scales](#)
Oxygen and CO2 targets
[Mauro Oddo](#)

Mechanical ventilation: do we have a consensus?
[Chiara Robba](#)

Setting PEEP in ARDS is complicated
[Victoria McCredie](#)

Are biomarkers of any use?
[Michael Reade](#)

Intracranial hypertension

[Standard presentation]

How I manage it
[Geert Meyfroidt](#)

Pressors vs. fluids: the right balance
[Mauro Oddo](#)

Hypertonic fluids: when and how
[Marek Mirski](#)

I have an algorithm
[Paul Vespa](#)

How I prognosticate after cardiac arrest

[Round table]

How I prognosticate after cardiac arrest
[Claudio Sandroni](#)
[Clifton Callaway](#)
[Michel Van Putten](#)

ECMO or ECCO2R for lung protection?

[Niall Ferguson](#)

Future directions
[Eddy Fan](#)

CPR

[Standard presentation]

In-hospital cardiac arrests: epidemiology and outcomes
[Daryl Jones](#)

The best position for the victim
[Paul E Pepe](#)

Airway management
[Jerry Nolan](#)

Drug management
[Gavin Perkins](#)

Intraosseous versus intravenous access for drug delivery
[Jerry Nolan](#)

ECPR: second line of treatment for cardiac arrest
[Lionel Lamhaut](#)

ECPR in OHCA
[Jan Belohlavek](#)

ECCO2R should be used in ARDS

[Pro-con debate]

ECCO2R should be used in ARDS
[Alain Combes](#)
[Giacomo Bellani](#)

Moral distress among residents facing end-of-life care decisions

[Daryl Jones](#)

Improving palliative care in the ICU

[J Randall Curtis](#)

International differences that I've experienced

[Jan Bakker](#)

Management of the organ donor

[Eric Hoste](#)

DCD procedures

[Jacques Creteur](#)

Clinical trials

[Standard presentation]

New (and old) statistical approaches to clinical trials
[Fernando Zampieri](#)

The limitations of RCTs in the ICU are still insufficiently acknowledged

[Armand Girbes](#)

Problems in interpreting biomarker studies

[Herwig Gerlach](#)

Trial design in pediatric critical care

[Srinivas Murthy](#)

Novel trial designs in sepsis
[Derek C Angus](#)

Platform trials can integrate research and quality improvement

[John C Marshall](#)