A. Gullo (Editor)

Anaesthesia, Pain, Intensive Care and Emergency – A.P.I.C.E.

Proceedings of the

21st Postgraduate Course in Critical Care Medicine

Venice-Mestre, Italy — November 10-13, 2006

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Springer

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List of Abbreviations

ΔP	Driving Pressure
$\Delta P/\Delta V$	Elastance
ΔP_{oes}	Changes in Oesophageal Pressure
ΔV	Change in the Volume
$\Delta V/\Delta P$	Compliance
$\Delta V'$	Resistance
ACE	Angiotensin Converting Enzyme
ACGME	Accreditation Council of Graduate Medical Education
ADH	Antidiuretic Hormone
AG	Anion Gap
AGNB	Aerobic Gram-Negative Bacteria
AHA	American Heart Association
AHI	Apnoea/Hypopnoea Index
Aix	Augmentation Index
ALI	Acute Lung Injury
ANH	Acute Normovolaemic Haemodilution
AOP	Apnoea Of Prematurity
API	Application Interface
APTT	Activated Partial Thromboplastin Time
ARC	Australian Resuscitation Council
ARDS	Acute Respiratory Distress Syndrome
ARF	Acute Renal Failure
AS	Arterial Stiffness
ASA	American Society of Anesthesiologists
ASK1	Apoptosis-Signalling Kinase 1
ASRA	American Society of Regional Anesthesia
Asys	Area Under the Systolic Portion of the Pressure Wave
AT-III	Antithrombin-III
BAL	Bio Artificial Liver
BDZ	Benzodiazepines
BE	Base-Excess
BECAT	Taylor E. Booth Engineering Center for Advanced Technology
BiPAP	Bilevel Positive Airway Pressure
BIS	Bispectral Index

BP	Blood Pressure
C(p)	Compliance Corrected for Arterial Pressure
CAVH	Continuous Arterio-Venous Haemofiltration
CAVHD	Continuous Arterio-Venous Haemodiafiltration
CBF	Cerebral Blood Flow
CCE	Cardiac Cycle Efficiency
CFI	Cardiac Function Index
CHDF	Continuous Haemodiafiltration
CISV	Connecticut Institute for Supercomputing and Visualization
CNS	Central Nervous System
CO	Cardiac Output
COP	Colloid Oncotic Pressure
COPD	Chronic Obstructive Pulmonary Disease
CPAP	Continuous Positive Airway Pressure
CPFA	Coupled Plasmafiltration-Adsorption
CPNBs	Continuous Peripheral Nerve Blocks
CPP	Coronary Perfusion Pressure
CPR	Cardiopulmonary Resuscitation
CRM	Crew Resource Management
CRRT	Continuous Renal Replacement Therapy
CT	Computed Tomography
CVP	Central Venous Pressure
CVVH	Continuous Veno-Venous Haemofiltration
CVVHD	Continuous Veno-Venous Haemodiafiltration
DD	Death Domain
dDown	Delta Down
DI	Desaturation Index
DIC	Disseminated Intravascular Coagulopathy
DO ₂	O ₂ -Delivery
dp/dt	Pressure Variations Over Time
DVT	Deep Vein Thrombosis
ECF	Extracellular Fluids
EELV	End Expiratory Lung Volume
EF%	Ejection Fraction
EFL	Expiratory Flow Limitation
ELAD	Extracorporeal Liver Assisted Device
ELBWI	Extremely Low Birth Weight Infants
EMS	Emergency Medical Services
ER	Endoplasmic Reticulum
ERC	European Resuscitation Council
ESRD	End Stage Renal Disease
EUO	Effective Urine Output

EVLW	Extra-Vascular Lung Water
FDA	American Food and Drug Administration
FiO ₂	Fraction of Inspired Oxygen
FOT	Forced Oscillation Technique
FRC	Functional Residual Capacity
GABA	Gamma-Amino Butyric Acid
GEDV	Global End-Diastolic Volume
GFR	Glomerular Filtration Rate
GIVITI	Gruppo Italiano per la Valutazione degli Interventi in Terapia Intensiva
GP	General Practitioner
HD	Haemodialysis
HES	Hydroxyethyl Starch
HIT	Heparin-Induced Thrombocytopenia
HIV	Human Immunodeficiency Virus
HR	Heart Rate
HREs	Hypoxia-Responsive Elements
HS	Hyperosmolar Syndromes
HSFC	Heart and Stroke Foundation of Canada
IC	Invasive Candidiasis
ICF	Intracellular Fluids
ICH	Intracerebral Haemorrhage
ICP	Intracranial Pressure
ICU	Intensive Care Unit
IHCA	In-hospital cardiac arrest
IHD	Intermittent Haemodialysis
IL-1R	Interleukin-1 Receptor
ILCOR	International Liaison Committee on Resuscitation
INR	International Normalised Ratio
IRAKs	IL-1R-Associated Protein Kinases
IRES	Internal Ribosomal Entry Sites
ISS	Interstitial Space
ITBV	Intrathoracic Blood Volume
ITEB	Information Technology Engineering Building
IVS	Intravascular Space
JTTR	Joint Trauma Theatre Registry
KIA	Killed In Action
LIP	Lower Inflexion Point
LMWH	Low-Molecular Weight Heparin
LOD	Logistic Organ Dysfunction
LPS	Lipopolysaccharide
LV	Left Ventricle
MA	Metabolic Acidosis

MAPK	Mitogen-Activated Protein Kinase
MARS	Molecular Absorbent Recirculating System
MAS	Meconium Aspiration Syndrome
MDRD	Modification of Diet in Renal Disease
MEFV	Maximal Expiratory Flow-Volume
MET	Medical Emergency Team
MgSO ₄	Magnesium Sulphate
MIF	Migration Inhibitory Factor
MLAC	Minimum Local Anaesthetic Concentration
MMPs	Matrix Metalloproteinases
MO	Morbid Obesity
MOCA	Maintenance of Continued Accreditation
MODS	Multiple Organ Dysfunction Syndrome
MOF	Multiple Organ Failure
MOSF	Multiple Organ System Failure
MRDH	Modified Rapid Deployment Hemostat
MRI	Magnetic Resonance Imaging
MRSA	Methicillin-Resistant Staphylococcus Aureus
MSSA	Methicillin-Sensitive Staphylococcus Aureus
MVT	Monomorphic Ventricular Tachycardia
NAC	N-Acetylcysteine
NEP	Negative Expiratory Pressure
NFL	Non Flow-Limited
NHS	National Health Service
NICE	National Institute for Health and Clinical Excellence
NMDA	N-Methyl-D-Aspartic acid
NPE	Neurogenic Pulmonary Oedema
NRCPR	National Registry of Cardiopulmonary Resuscitation
NRP	Neonatal Resuscitation Program
NS	Normal Saline
NSG	Naso-Gastric Suction
OG	Osmolal Gap
OHCA	Out-of-Hospital Cardiac Arrest
OPS	Orthogonal Polarisation Spectral
OSAS	Obstructive Sleep Apnoea Syndromes
P	Pressure
PA	Pulmonary Artery
PAC	Pulmonary Artery Catheter
PAN	Polyacrylnitrile
PaO	Pressure at the Airway Opening
PaO ₂	Partial Oxygen Pressure In Arterial Blood
PAOP	Pulmonary Artery Occlusion Pressure

PAP	Plasma Adsorption Perfusion
PARs	Proteinase-Activated Receptors
PBEF	Pre-B-Cell Colony-Enhancing Factor
PCD	Programmed Cell Death
PCM	Pulse Contour Method
PCO ₂	Carbon Dioxide Tension
PCWP	Pulmonary Capillary Wedge Pressure
PD	Peritoneal Dialysis
PEA	Pulseless Electrical Activity
PEEP	Positive End-Expiratory Pressure
PEEPi	Intrinsic Positive End-Expiratory Pressure
PERK	Protein Endoplasmic Reticulum Kinase
pHi	Intramucosal pH
PICU	Paediatric Intensive Care Units
Poes	Oesophageal Pressure
Posm calc	Calculated Osmolality
Posm meas	Measured Osmolality
Posm	Plasma Osmolality
PPCM	Peri-Partum Cardiomyopathy
PPM	Potentially Pathogenic Micro-organisms
PPV	Pulse Pressure Variation
PsICO ₂	Predictive value of Sublingual PCO ₂
P-V	Pressure-Volume Curve
PVT	Polymorphic Ventricular Tachycardia
PWA	Pulse Wave Analysis
QOL	Quality of Life
RAAS	Renin-Aldosterone-Angiotensin System
RAP	Right Atrial Pressure
RBC	Red Blood Cells
rFVIIa	Activated Recombinant Factor VII
RL	Ringer's Lactate
RNS	Reactive Nitrogen Species
ROS	Reactive Oxygen Species
ROSC	Return of Spontaneous Circulation
RRC	Residency Review Committee
RRT	Renal Replacement Therapy
RVEDV	Right Ventricular Enddiastolic Volume
RVP	Right Ventricular Pressure
SA	Spinal Anaesthesia
SCU	Slow Continuous Ultrafiltration
ScvO ₂	Central Oxygen Venous Saturation
SDD	Selective Digestive Decontamination

SMR	Standard Mortality Ratio
SNS	Sympathetic Nervous System
SOFA	Sequential Organ Failure Assessment
SOP	Standard Operating Procedure
SPV	Systolic Pressure Variations
SV	Stroke Volume
SVR	Systemic Vascular Resistance
SVV	Stroke Volume Variation
t	Time
TBW	Total Body Water
TD	Thermodilution
TF	Tissue Factor
TGF- β	Latent Transforming Growth Factor
TIMPs	Tissue Inhibitors Of Metalloproteinases
TISS	Therapeutic Intervention Scoring System
TLRs	Toll-Like Receptors
TPN	Total Parenteral Nutrition
TRAF6	TNF Receptor-Associated Factor 6
TRRI-Surg	Trauma Readiness and Research Institute for Surgery
UConn	University of Connecticut
UIP	Upper Inflexion Point
US	Ultrasonography
V'-P	iso-volume relationships between flow and trans-pulmonary pressure
VAP	Ventilator Associated Pneumonia
VEGF	Vascular Endothelial Growth Factor
VF	Ventricular Fibrillation
VILI	Ventilator Induced Lung Injury
VT	Ventricular Tachycardia
WPW	Wolff-Parkinson-White syndrome
Zao	Aortic Impedance
ZEEP	Zero End-Expiratory Pressure