Contributors

CONSULTING EDITOR

JOHN A. KELLUM, MD, MCCM
Professor, Critical Care Medicine, Medicine, Bioengineering and Clinical and Translational Science, Director, Center for Critical Care Nephrology, Vice Chair for Research, Department of Critical Care Medicine, University of Pittsburgh School of Medicine, Pittsburgh, Pennsylvania, USA

EDITOR

RINALDO BELLOMO, AO, MBBS (Hons), MD, PhD, FRACP, FCICM, FAAHMS
Professor of Intensive Care, The University of Melbourne, Honorary Professor of Medicine, Monash University, Honorary Professor of Critical Care Medicine, University of New South Wales, Honorary Fellow, Howard Florey Institute of Physiology, NHMRC Practitioner Fellow and Co-director ANZ Intensive Care Research Centre, Editor-in-Chief, Critical Care and Resuscitation, Director of Intensive Care Research, Austin Hospital, Director of Data Analytics Research and Evaluation (DARE) Centre, Co-director of Centre for Integrated Critical Care, Melbourne University, Senior Research Advisor, The Royal Melbourne Hospital, Staff Specialist in Intensive Care, Austin Hospital, The Royal Melbourne Hospital, and Warringal Private Hospital, Department of Medicine, Radiology and Critical Care, Centre for Integrated Critical Care, The University of Melbourne, Melbourne, Victoria, Australia

AUTHORS

JAMES R. ANSTYE, MBBS, FRACP, FCICM
Intensive Care Unit, The Royal Melbourne Hospital, Parkville, Victoria, Australia

KARIM ASEHNOUNE, MD, PhD
EA3826 Thérapeutiques Anti-Infectieuses, Institut de Recherche en Santé 2 Nantes Biotech, Medical University of Nantes, Surgical Intensive Care Unit, Hotel Dieu, CHU Nantes, Nantes, France

ANCA BALINTESCU, MD
Department of Clinical Science and Education Södersjukhuset, Section of Anaesthesia and Intensive Care, Karolinska Institutet, Södersjukhuset, Stockholm, Sweden

BLAIRE BEERS-MULROY, MS
La Jolla Pharmaceutical Company, San Diego, California, USA

LAURENT BITKER, MD, MSc
Department of Intensive Care, ICU Research Office, Austin Hospital, Heidelberg, Victoria, Australia

LOUISE M. BURRELL, MBChB, MRCP, MD, FRACP
Department of Medicine, The University of Melbourne, Austin Health, Heidelberg, Victoria, Australia
LAURENCE W. BUSSE, MD
Assistant Professor, Division of Pulmonary, Critical Care, Allergy and Sleep Medicine, Emory University School of Medicine, Emory St. Joseph’s Hospital, Atlanta, Georgia, USA

LAKHMIR S. CHAWLA, MD
Department of Medicine, Veterans Affairs Medical Center, La Jolla, California, USA; La Jolla Pharmaceutical Company, San Diego, California, USA

JEREMY COHEN, PhD
Deputy Director, Department of Intensive Care, The Wesley Hospital, Senior Specialist, Department of Intensive Care, The Royal Brisbane and Women’s Hospital, Associate Professor, University of Queensland, Queensland, Australia; Honorary Professorial Fellow, Division of Critical Care, The George Institute for Global Health, Sydney, New South Wales, Australia

ADAM M. DEANE, MBBS, PhD
Staff Specialist, Associate Professor, Intensive Care Unit, The Royal Melbourne Hospital, Principal Research Fellow Intensive Care, University of Melbourne, Parkville, Victoria, Australia

ELIF I. EKINCI, MBBS, FRACP, PhD
Associate Professor, Sir Edward Dunlop Medical Research Foundation, Principal Research Fellow in Metabolic Medicine, Departments of Medicine and Endocrinology, The University of Melbourne, Director of Diabetes, Austin Health, Heidelberg West, Melbourne, Victoria, Australia

CRAIG FRENCH, MBBS, FANZCA, FCICM
Director of Intensive Care, Western Health, Footscray Hospital, Clinical Associate Professor, The University of Melbourne, Parkville, Victoria, Australia; Adjunct Associate Professor, Monash University, School of Public Health and Preventive Medicine, Melbourne, Victoria, Australia

ANATOLE HARROIS, MD, PhD
Intensive Care Unit, The Royal Melbourne Hospital, Parkville, Victoria, Australia; Department of Anesthesiology and Surgical Intensive Care, Hôpitaux Universitaires Paris Sud, Assistance Publique-Hôpitaux de Paris (AP-HP), Université paris Sud, Université Paris Saclay, Le Kremlin Bicêtre, France

CHRISTOPHER PATRICK HENSON, DO
Department of Anesthesiology, Division of Anesthesiology Critical Care Medicine, Vanderbilt University Medical Center, Nashville, Tennessee, USA

JEROEN HERMANIDES, MD, PhD
Staff Specialist, Department of Anaesthesiology, Amsterdam UMC, University of Amsterdam, Amsterdam, The Netherlands

ASHISH K. KHANNA, MD, FCCP, FCCM
Assistant Professor of Anesthesiology and Vice-Chief for Research, Department of General Anesthesiology, Anesthesiology Institute, Department of Outcomes Research, Center for Critical Care, Cleveland Clinic Foundation, Cleveland, Ohio, USA; Associate Professor of Anesthesiology, Wake Forest University School of Medicine, Winston-Salem, North Carolina, USA
MARK A. KOTOWICZ, MBBS, FRACP
Professor, University Hospital Geelong, Barwon Health, School of Medicine, Deakin University, Geelong, Australia; Department of Medicine, Melbourne Medical School-Western Campus, The University of Melbourne, St Albans, Australia

RENATA LIBIANTO, MBBS, BMedSci
Department of Medicine, The University of Melbourne, Austin Health, Heidelberg West, Melbourne, Victoria, Australia

JOHAN MÄRTENSSON, MD, PhD
Department of Physiology and Pharmacology, Section of Anaesthesia and Intensive Care, Karolinska Institutet, Function Perioperative Medicine and Intensive Care, Karolinska University Hospital, Stockholm, Sweden

MATTHEW J. MAIDEN, BSc, BMBS, PhD, FCICM, FACEM
Intensive Care Unit, Royal Adelaide Hospital, Adelaide, South Australia, Australia; Intensive Care Unit, Barwon Health, Geelong, Victoria, Australia; Discipline of Acute Care Medicine, University of Adelaide, Adelaide, South Australia, Australia

ANNACHIARA MARRA, MD, PhD
Department of Neurosciences, Reproductive and Odontostomatological Sciences, University of Naples, Federico II, Naples, Italy

TRACY J. McGRANE, MD, MPH
Department of Anesthesiology, Division of Anesthesiology Critical Care Medicine, Vanderbilt University Medical Center, Nashville, Tennessee, USA

HELEN INGRID OPDAM, MD, MBBS, FCICM, FRACP
Department of Intensive Care, Austin Hospital, Heidelberg, Victoria, Australia

NEIL R. ORFORD, MBBS, FCICM, PhD
Associate Professor, University Hospital Geelong, Barwon Health, School of Medicine, Deakin University, Geelong, Australia; Australian and New Zealand Intensive Care Research Centre (ANZIC-RC), Department of Epidemiology and Preventive Medicine (DEPM), Monash University, Melbourne, Australia

PRATIK P. PANDHARIPANDE, MD, MSCI, FCCM
Department of Anesthesiology, Division of Anesthesiology Critical Care Medicine, Vanderbilt University Medical Center, Nashville, Tennessee, USA

JULIE A. PASCO, BSc (Hons), DipEd, PhD, MEpi
Professor, University Hospital Geelong, Barwon Health, School of Medicine, Deakin University, Geelong, Australia; Department of Epidemiology and Preventive Medicine (DEPM), Monash University, Melbourne, Australia; Department of Medicine, Melbourne Medical School-Western Campus, The University of Melbourne, St Albans, Australia

MARK P. PLUMMER, MBBS, PhD
Senior Registrar, Intensive Care Unit, The Royal Melbourne Hospital, Parkville, Victoria, Australia

ANTOINE ROQUILLY, MD, PhD
EA3826 Thérapeutiques Anti-Infectieuses, Institut de Recherche en Santé 2 Nantes Biotech, Medical University of Nantes, Surgical Intensive Care Unit, Hotel Dieu, CHU Nantes, Nantes, France
Contributors

GEORGE F. TIDMARSH, MD, PhD
La Jolla Pharmaceutical Company, San Diego, California, USA; Department of Pediatrics, Stanford University School of Medicine, Palo Alto, California, USA

DAVID J. TORPY, MBBS, PhD, FRACP
Endocrine and Metabolic Unit, Royal Adelaide Hospital, Adelaide, South Australia, Australia

IDA-FONG UKOR, MBBS, FANZCA, FCICM
Division of Critical Care Medicine and Centre for Heart Lung Innovation, University of British Columbia, Vancouver, British Columbia, Canada

BALASUBRAMANIAN VENKATESH, MD
Director, Department of Intensive Care, The Wesley Hospital, Pre-eminent Specialist, Princess Alexandra Hospital, Professor, Department of Intensive Care, University of Queensland, Queensland, Australia; Professorial Fellow, Division of Critical Care, The George Institute for Global Health, Honorary Professor, University of New South Wales, New South Wales, Australia

MICKAEL VOIRC’H, MD, PhD
EA3826 Thérapeutiques Anti-Infectieuses, Institut de Recherche en Santé 2 Nantes Biotech, Medical University of Nantes, Surgical Intensive Care Unit, Hotel Dieu, CHU Nantes, Nantes, France

BRETT J. WAKEFIELD, MD
Anesthesiology Resident, Department of General Anesthesiology, Anesthesiology Institute, Cleveland Clinic, Cleveland, Ohio, USA; Critical Care Medicine Fellow, Department of Anesthesiology, Division of Critical Care Medicine, Washington University School of Medicine, St Louis, Missouri, USA

KEITH R. WALLEY, MD
Division of Critical Care Medicine and Centre for Heart Lung Innovation, University of British Columbia, Vancouver, British Columbia, Canada