



# Critical Care and Resuscitation



## EDITORIALS

- 3 Infections in the intensive care unit — important questions remain  
David L Paterson and Jeffrey Lipman
- 5 Sepsis outcomes have improved, but why?  
Steven AR Webb

## ORIGINAL ARTICLES

- 8 The outcome of patients with sepsis and septic shock presenting to emergency departments in Australia and New Zealand  
The Australasian Resuscitation in Sepsis Evaluation (ARISE) Investigators and the Australian and New Zealand Intensive Care Society (ANZICS) Adult Patient Database (APD) Management Committee
- 19 C-reactive protein concentration as a predictor of in-hospital mortality after ICU discharge: a nested case-control study  
Edward Litton, Kwok M Ho, Jenny Chamberlain, Geoffrey J Dobb and Steven AR Webb
- 26 Delirium in the intensive care unit: searching for causes and sources  
Guy Watts, Brigit L Roberts and Richard Parsons
- 30 A technique for the simultaneous measurement of renal ATP, blood flow and pH in a large animal model of septic shock  
Clive May, Li Wan, John Williams, Mark R Wellard, Gaby Pell, Christoph Langenberg, Graeme Jackson and Rinaldo Bellomo
- 34 Withdrawal of life support and chaplaincy in Australia  
Lindsay B Carey and Christopher J Newell
- 40 Attitudes of relatives of patients in intensive care and emergency departments to surrogate consent to research on incapacitated participants  
Arthur C Stephenson, Stuart Baker and Nikolajs Zeps

## CASE REPORTS

- 51 Heparin-induced thrombosis with a normal platelet count  
George F Alvarez, David Bihari and David Collins
- 55 Extreme hypernatraemia: a case report and brief review  
Anthony D Holley, Stuart Green and Peter Davoren

## REVIEWS

- 60 Loop diuretics in the management of acute renal failure: a systematic review and meta-analysis  
Sean M Bagshaw, Anthony Delaney, Michael Haase, William A Ghali and Rinaldo Bellomo
- 69 The implications of enterococci for the intensive care unit  
Indranil Chatterjee, Jonathan R Iredell, Marion Woods and Jeffrey Lipman
- 76 Extracorporeal membrane oxygenation and sepsis  
Graeme MacLaren and Warwick Butt
- 81 Statistics in review. Part I: graphics, data summary and linear models  
John L Moran and Patricia J Solomon

## HISTORY OF MEDICINE

- 91 On the very first, successful, long-term, large-scale use of IPPV  
Ronald V Trubuhovich

## POINTS OF VIEW

- 101 The definition of septic shock: implications for treatment  
Paul E Marik and Jeffrey Lipman
- 104 Nomenclature for two intravenous solutions  
Ronald V Trubuhovich

## LETTERS

- 106 Finding pneumo: purulent pericarditis presenting with pulsus paradoxus  
Christopher C Blyth, Indira Jayakumar, Peter Richmond, Andrew M Bullock and Simon J Erickson
- 107 Negative-pressure pulmonary oedema with normal concentration of B-type natriuretic peptide  
David J Sturgess, Bala Venkatesh, Chris Perry and Wayne Kelly
- 108 Leptospirosis: an unusual presentation  
Amanda J Wade, David V Tuxen and Steven L Wesselingh

## DEPARTMENTS

- 106 Correction
- 110 Future meetings
- 112 Information for authors
- 116 About the Journal