

Contents

vii Preface

Ding, X. (Shanghai); Ronco, C. (Vicenza)

AKI Characteristics and Epidemiology

1 Acute Kidney Injury Epidemiology: From Recognition to Intervention

Wang, Y.; Fang, Y.; Teng, J.; Ding, X. (Shanghai)

9 Acute Kidney Injury Prevention

Chopra, T.A.; Brooks, C.H.; Okusa, M.D. (Charlottesville, Va.)

24 Renal Recovery after Acute Kidney Injury

Macedo, E. (Sao Paulo); Mehta, R.L. (San Diego, Calif.)

AKI Pathophysiology and Diagnosis

36 Pathophysiology of Septic Acute Kidney Injury

Mårtensson, J. (Melbourne, Vic./Stockholm); Bellomo, R. (Melbourne, Vic.)

47 Biomarkers for Diagnosis, Prognosis and Intervention in Acute Kidney Injury

Fuhrman, D.Y.; Kellum, J.A. (Pittsburgh, Pa.)

55 The Acute Kidney Injury to Chronic Kidney Disease Transition: A Potential Opportunity to Improve Care in Acute Kidney Injury

Palant, C.E.; Amdur, R.L.; Chawla, L.S. (Washington, D.C.)

73 Electronic Data Systems and Acute Kidney Injury

Cheungpasitporn, W.; Kashani, K. (Rochester, Minn.)

AKI Management

84 Fluid Management in Acute Kidney Injury

Chuang, C.-L. (Taipei)

94 Multidimensional Approach to Adequacy of Renal Replacement Therapy in Acute Kidney Injury

Villa, G. (Florence); Ricci, Z. (Rome); Romagnoli, S. (Florence/Rome); Ronco, C. (Vicenza)

106 Timing of Renal Replacement Therapy in Acute Kidney Injury

Ostermann, M. (London); Wald, R. (Toronto, Ont.); Bagshaw, S.M. (Edmonton, Alta.)

121 Pediatric Continuous Renal Replacement Therapy

Ricci, Z. (Rome); Goldstein, S.L. (Cincinnati, Ohio)

131 Management of Cardiac Surgery-Associated Acute Kidney Injury

Xu, J.; Jiang, W.; Fang, Y.; Teng, J.; Ding, X. (Shanghai)

143 Author Index

144 Subject Index