Contents

Preface, vii
Foreword, viii
List of contributors, xi

Section A: Pathophysiology, screening and diagnosis, 1

1 Pathophysiology of diabetes in older people, 3
   Graydon S. Meneilly

2 Type 1 diabetes in older age, 13
   Medha Munshi and Alan J. Sinclair

3 Preventative strategies, 20
   Edward S. Horton

4 Diagnosis and screening, 29
   Jorge Manzarbeita

5 Assessment procedures including comprehensive geriatric assessment, 43
   Willy Marcos Valencia, Marie Danet, and Hermes Florez

Section B: Vascular risk factors and complications, 55

6 Peripheral arterial disease, 57
   Leocadio Rodríguez Mañas, Cristina Alonso Bouzon, and Marta Castro Rodríguez

7 Coronary heart disease, 67
   Ahmed H. Abdelhafiz

8 Chronic kidney disease related to diabetes in older patients, 84
   Isaac Sinay and Felipe Inserra

9 Visual loss in people with diabetes in old age, 106
   Peter H. Scanlon

10 Diabetes foot disease, 113
    Srikanth Bellary

11 Diabetes, neuropathy, and old age, 125
    Jennifer Dineen and Christopher Gibbons

12 Sensory disabilities in people with diabetes, 137
    Rowan Hillson

13 Sexual health and wellbeing, 148
    Geoffrey I. Hackett

14 eHealth and diabetes: Designing a novel system for remotely monitoring older adults with type 2 diabetes, 167
    Elena Villalba-Mora, Ignacio Peinado-Martínez, and Francisco del Pozo

Section C: Treatment and care issues, 177

15 Insulin resistance and the metabolic syndrome, 179
    Andrew J. Krentz and Angelo Scuteri

16 Diabetes and functional limitation: The emergence of frailty and disability, 213
    Leocadio Rodriguez Manas and Alan J. Sinclair

17 Metabolic decompensation in older people, 225
    Giuseppe Paolisso and Michelangelo Barbieri

18 Nutrition management, 240
    Trisha Dunning

19 Physical exercise management, 267
    Mikel Izquierdo and Eduardo Lusa Cadore

20 Medicines, pharmacovigilance, and the importance of undertaking comprehensive assessments and regular medicine reviews, 277
    Trisha Dunning

21 Glucose-lowering drugs, 298
    Andrew J. Krentz and Alan J. Sinclair

22 Insulin therapy, 323
    Ahmed H. Abdelhafiz

23 Hypertension in older diabetic patients, 338
    N. Jain, A. Chikara, and A. Goel
Section D: Management of associated complications, 411

28 Diabetes and co-morbidities, 413
   Marta Castro Rodríguez and Leocadio Rodríguez Mañas

29 Diabetes and cognitive dysfunction, 426
   Alan J. Sinclair

30 Mood disorders, 437
   Ahmed H. Abdelhafiz and Alan J. Sinclair

Section E: Optimizing diabetes care in older people, 489

34 Diabetes education and the older adult, 491
   Elizabeth A. Beverly, Arlene Smaldone, and Katie Weinger

35 Supporting the family and informal carers, 505
   Alan J. Sinclair and Trisha Dunning

36 Public health issues and community impact, 516
   Luis Miguel Gutiérrez Robledo and Roger Gadsby

37 Providing cost-effective diabetes care, 525
   Chia-Hung Chou and Elbert S. Huang

38 Clinical trials in older people, 533
   Olga Laosa, Marta Checa, and Laura Pedraza

Index, 543