

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 Manzarbeitia*

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 Michelangela 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***

24 Hypoglycemia 350, *Medha Munshi*

25 Diabetes in care homes 360, *Trisha Dunning and Alan J. Sinclair*

**26 Primary and community care of diabetes in older people 376
*Mark Kennedy***

27 Inpatient diabetes care and admissions avoidance in older people with diabetes 395, *Belinda Allan Ketan Dhatariya Esther Walden Carol Jairam and Mike Sampson*

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*

31 Falls and diabetes 448, *Cristina Alonso Bouzón and Medha Munshi*

32 Managing pain 456, *Trisha Dunning*

33 Palliative and end of life care 470, *Trisha Dunning 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