**Contents**

Contributors, vii  
Acknowledgments, ix  
About the Companion Website, xi  
Introduction, xiii  

**1** The Oral Environment and the Main Causes of Tooth Structure Loss, 1  
  *J. Kaidonis, G.C. Townsend, J. McIntyre, L.C. Richards, and W.R. Hume*  

**2** Dental Caries: Management of Early Lesions and the Disease Process, 23  
  *G.J. Mount, H.C. Ngo, W.R. Hume, and M.S. Wolff*  

**3** Dental Caries: Activity and Risk Assessment as a Logical and Effective Path to Both Prevention and Cure, 33  
  *H.C. Ngo, M.S. Wolff and W.R. Hume*  

**4** Non-Carious Tooth Structure Loss: Diagnosis, Risk and Activity Assessment and Clinical Management, 51  
  *J. Kaidonis, L.C. Richards, G.C. Townsend and G.S. Heithersay*  

**5** Aids to Remineralization, 67  
  *M. Fontana, L.J. Walsh, B.T. Amaechi and H.C. Ngo*  

**6** Systems for Classifying Defects of the Exposed Tooth Surface, 81  
  *G.J. Mount, W.R. Hume, H.C. Ngo and M.S. Wolff*  

**7** Principles of Cavity Design for the Restoration of Advanced Lesions, 87  
  *G.J. Mount and H.C. Ngo*  

**8** Instruments Used in Cavity Preparation, 117  
  *G.J. Mount, L.J. Walsh and A.M. Brostek*  

**9** Glass-Ionomer Materials, 139  
  *G.J. Mount and H.C. Ngo*  

**10** Resin-Based Composite Restorative Materials, 169  
  *A.U.J. Yap, J.C.L. Neo, V. Thompson and M.S. Wolff*  

**11** Silver Amalgam, 181  
  *G.J. Mount and H.C. Ngo*  

**12** Pulpal Responses, Pulp Protection and Pulp Therapy, 193  
  *W.R. Hume, W.K. Massey, G.J. Mount and G.S. Heithersay*  

**13** Choosing Between Restoration Modalities, 213  
  *G.J. Mount, M.S. Wolff and H.C. Ngo*  

**14** Caries in Young Children: Special Considerations in Aetiology and Management, 223  
  *W.K. Seow and H.C. Ngo*  

**15** Oral Care of Older People, 235  
  *A.W.G. Walls and I.A. Pretty*  

**16** Lifestyle Factors Affecting Tooth Structure Loss, 245  
  *L.J. Walsh and P.J. Ford*  

**17** Periodontal Considerations in Tooth Restoration, 265  
  *G.J. Mount*  

**18** Occlusion as It Relates to Restoration of Individual Teeth, 277  
  *G.J. Mount*  

**19** Failures of Individual Restorations and Their Management, 289  
  *G.J. Mount*  

Index, 299