

Contents

1 Dental Enamel Defects in the Primary Dentition: Prevalence and Etiology	1
W. Kim Seow	
2 Enamel Defects in the Permanent Dentition: Prevalence and Etiology	15
Robert P. Anthonappa and Nigel M. King	
3 Molar Incisor Hypomineralization and Hypomineralized Second Primary Molars: Diagnosis, Prevalence, and Etiology	31
Karin L. Weerheijm, Marlies E.C. Elfrink, and Nicky Kilpatrick	
4 Syndromes and Diseases Associated with Developmental Defects of Enamel	45
Mike Harrison, Angus Cameron, and Nicky Kilpatrick	
5 Amelogenesis Imperfecta: Current Understanding of Genotype-Phenotype	59
John Timothy Wright	
6 Molar Incisor Hypomineralization: Structure, Composition, and Properties	73
Erin K. Mahoney and Rami Farah	
7 The Psychosocial Impacts of Developmental Enamel Defects in Children and Young People	85
Zoe Marshman and Helen D. Rodd	
8 Examination and Treatment Planning for Hypomineralized and/or Hypoplastic Teeth	99
Bernadette K. Drummond and Winifred Harding	
9 Managing the Prevention of Dental Caries and Sensitivity in Teeth with Enamel Defects	113
Felicity Crombie and David J. Manton	

10 Restorative Management of Dental Enamel Defects in the Primary Dentition	123
Monty Duggal and Hani Nazzal	
11 Restorative Management of Permanent Teeth Enamel Defects in Children and Adolescents	139
Suzanne M. Hanlin, Lucy A.L. Burbridge, and Bernadette K. Drummond	
12 Future Possibilities for Managing Dental Enamel Defects: Recent and Current Research Approaches	157
Agata Czajka-Jakubowska, Jun Liu, Sywe-Ren Chang, and Brian H. Clarkson	
13 Final Comments	169
Bernadette K. Drummond and Nicky Kilpatrick	
Index	171



UNIVERSIDAD CES

Un Compromiso con la Excelencia

BIBLIOTECA FUNDADORES