

Contents

1	Introduction to Mineral Trioxide Aggregate	1
	Gustavo De Deus, Josette Camilleri, Carolyn M. Primus, Marco Antonio Hungaro Duarte, and Clóvis Monteiro Bramante	
2	Composition and Setting Reaction	19
	Josette Camilleri	
3	Properties of Hydrated Mineral Trioxide Aggregate	37
	Mario Tanomaru-Filho and Juliane Maria Guerreiro-Tanomaru	
4	Bioactivity of Mineral Trioxide Aggregate and Mechanism of Action	61
	Franklin R. Tay	
5	Reactivity and Environmental Factors	87
	Josette Camilleri and Paul Dummer	
6	Clinical Applications	103
	Marco Antonio Hungaro Duarte, Clóvis Monteiro Bramante, and Gustavo De Deus	
7	Material Modifications and Related Materials	131
	Jamileh Ghoddusi	
8	Products and Distinctions	151
	Carolyn M. Primus	
9	Mineral Trioxide Aggregate and Evidence-Based Practice	173
	Saeed Asgary	
	Index	201