

# CONTENTS

## Pathological Basis of Root Canal Restoration

Preface

Acknowledgments

CHAPTER 1	<b>Root Canal Treatment and the Role of Filling Materials</b>	Mihoko Tomida/Keisuke Nakano Hiromasa Hasegawa/Toshiyuki Kawakami .....	1
CHAPTER 2	<b>Tissue Reaction to Root Canal Filling Material Embedded Subcutaneously in Rats</b>	Takanaga Ochiai/Keisuke Nakano Hiromasa Hasegawa/Toshiyuki Kawakami .....	11
CHAPTER 3	<b>An <i>In Vivo</i> Examination of the Fate of the Components of a Root Canal Filling Paste made of Calcium Hydroxide and Iodoform with Silicone Oil</b>	Keisuke Nakano/Mihoko Tomida Hiromasa Hasegawa/Toshiyuki Kawakami .....	25
CHAPTER 4	<b>Injury and the Recovery Reaction due to the Penetration of Material into the Mandibular Canal</b>	Chihito Nakamura/Mihoko Tomida Hiromasa Hasegawa/Toshiyuki Kawakami .....	39
CHAPTER 5	<b>Deciduous Tooth Resorption after Overfilling of Root Canal Filler: Function and Nature of Multinucleated Giant Cells</b>	Hiromasa Hasegawa/Motoyoshi Antoh Noriyuyki Takei/Takanaga Ochiai .....	53
CHAPTER 6	<b>Histopathological Studies of Pulpectomy in the Deciduous Teeth of Dogs</b>	Hiromichi Fujii/Tomohiro Fuchino Yukio Machida .....	103

<b>CHAPTER 7</b>	<b>Clinical and Radiographic Examinations of Pulpectomy in Deciduous Teeth</b>	
		Hiromichi Fujii/Tomohiro Fuchino Yukio Machida ..... 115
<b>CHAPTER 8</b>	<b>Experimental Studies of Root Canal Therapy for Infected Nonvital Permanent Teeth with Incompletely Formed Apices</b>	
		Hiromichi Fujii/Yukio Machida ..... 131
<b>CHAPTER 9</b>	<b>Clinical and Radiographic Observation of Permanent Teeth with Incompletely Formed Roots after Root Canal Therapy</b>	
		Hiromichi Fujii/Takahiro Mizutani Yukio Machida ..... 153
<b>CHAPTER 10</b>	<b>Histopathological Evaluation of Root Canal Filling Material Pastes: An Animal Study</b>	
		Toshiyuki Shibuya/Toshiro Yumii Shinzo Teramoto/Toshiyuki Kawakami ..... 165
<b>CHAPTER 11</b>	<b>Histopathological Evaluation of Combined Root Canal Filling: An Animal Study</b>	
		Shinzo Teramoto/Toshiyuki Shibuya Toshiro Yumii/Toshiyuki Kawakami ..... 185
<b>CHAPTER 12</b>	<b>Histopathological Examination of a 'Simultaneously folded' Method with Paste and Combined Root Canal Filling Methods in Dog Teeth</b>	
		Toshiro Yumii/Shinzo Teramoto Toshiyuki Shibuya/Toshiyuki Kawakami ..... 201
<b>CHAPTER 13</b>	<b>Clinico-Pathological Healing of Periapical Tissues in Aged Patients by Root Canal Filling using Calcium Hydroxide: Case Presentation</b>	
		Masahiro Sato/Takanaga Ochiai Keisuke Nakano/Toshiyuki Kawakami ..... 225
<b>INDEX</b>		..... 231