

INDEX

β -tricalcium phosphate 76, 79

A

absorption 12
acid phosphatase 77
ACP 77
ACP pretreated with cyanuric chloride 77
aldehydes 4
alveolar absorption 191, 209
alveolar bone healing 168
alveolar regeneration 191, 209
apical absorption 191, 209
apical periodontitis 156
apical regeneration 191, 209

B

bone augmentation 76
bone regeneration 168
bone resorption 177
bovine bone particle 76, 82, 76

C

calcification 191, 16
calcium hydroxide 3, 7, 11, 25, 39, 103, 115, 165, 166
calvital 165, 178, 225
CCAP 77
CD36 96
cholesterin 77, 86
cholesterol granuloma or foreign body granuloma 97
cicatrix 209
cicatrization 191
closure 192
colony stimulating factor 1 58, 70
combined root canal filling 185
contact microradiogram 134, 138, 149
corticosteroids 4
CSF-1 58, 70
cytokines 75

D

deciduous dentitions 54
deciduous teeth 53, 103, 115
deciduous tooth 108
deciduous tooth resorption 54
dentin resorption 75
diffusion 12
dimethylpolysiloxane 35

dystrophic calcification 11

E

EDTA 2
electron microscopic examinations 11
enzymatic activity 90
ethylenediamine tetra-acetic acid 2

F

fate 25
FBGCs 53, 71
fibrosis 168, 173
foamy macrophages 64
foreign body giant cell 53, 71, 76, 95, 96
foreign body reaction 67, 75
foreign body type giant cells 67

G

glass ionomer sealers 6
granulation tissue 170, 172, 173
gutta-percha cones 5
gutta-percha points 186

H

HAP 77
hard tissue formation 132
hard tissue regeneration 209
hard tissue resorption 175
healing 173
hemorrhage 189, 191, 209
hydroxyapatite 76
hypermia 191, 209

I

IL-1 α 58
incompletely formed roots 132, 153
infiltration 191, 209
inflammatory 173
inflammatory cell infiltration 168, 172, 189
injury 39
interlukin-1 58
intracanal medication 3
iodoform 4, 39, 103, 115, 165, 166, 25
irrigation 2

K

KEZ 188, 201
KRI paste 4

M

- macrophage colony stimulating factor 58, 70
 macrophages 58, 75, 95
 matrix vesicle calcification 11
 M-CSF 58, 70
 MGCS 53, 76, 77, 79, 82, 86, 90
 mitosis 97
 monocytes 58
 mononuclear 77
 mononuclear cells 71, 79, 82, 86, 95, 96
 multinuclear giant cells 76
 multinucleated giant cells 53, 71, 90

N

- NaOCl 2
 neodyne 201
 non-specific esterase 71, 77
 NSE 77

O

- obturation 194
 odontoclasts 67, 76
 overfilling 123

P

- pediatric dentistry 104
 penetrating 106
 penetration 39, 46
 perforation 176
 periodontal ligament 170, 173
 periodontal tissues 103
 permanent teeth 104, 132
 PGE2 70
 phagocytic vacuoles 61
 phagocytosis 12
 phagocytotic vacuoles 72
 phagolysosome 61
 phenols 4
 phosphatidylserine 96
 physiologic tooth resorption 67
 physiological root resorption 54
 prostaglandin E2 70
 pulp 109
 pulpectomy 103, 115
 pulpotomy 166
 purulent 172

Q

- quantitative analysis 34

R

- radiographic examinations 115

- RANK 58
 receptor activator of nuclear factor-kappa 58
 recovery reaction 39
 regeneration 175, 177
 resin 7
 resorption lacunae 75
 root canal filling 53
 root canal filling material 4, 25, 11, 108, 132
 root canal filling paste 75
 root canal polyp 178, 191, 194, 209
 root canal preparation 2
 root canal therapy 153, 156
 root resorption 54, 103, 108
 ruffled border 67

S

- schwann cell 39, 41
 schwann tubes 39, 47
 sealers 6
 silicone 64, 72, 165
 silicone oil 39, 25
 simultaneously folded 201
 sinus lift surgery 76
 sodium hypochlorite 2
 solid material 5
 suppuration 172, 191, 209

T

- tartrate resistant acid phosphatase 58, 76
 TC fluorescent labeling 134, 149
 TC labeling 138
 TCP 76, 79
 tetracycline 131
 tissue reaction 11
 TNF- α 58, 70
 tooth bud 106
 tooth germs 54
 tooth resorption 76
 TRAP 58, 76
 tumor necrosis factor 70
 tumor necrosis factor- α 58

U

- underfilling 123

V

- vascular endothelial growth factor 58
 VEGF 58
 Vitapex 103, 165, 178, 201, 225, 4

Z

- zinc oxide and eugenol-based sealers 6

Copyright © 2012 by IDP Publishers, Inc.

All rights reserved. No part of this book may be reproduced, stored in a retrieval system or transmitted in any form of by any means, electronic, electrostatic, magnetic, tape, mechanical photocopying, recording or otherwise, without the written permission of the publisher.

For permission to use material from this book please contact the following:
Telephone + 81-263-51-2035; Fax + 81-3-3584-9302
Web site: www.idp-pb.com

NOTICE TO THE READER

The publisher has taken reasonable care in the preparation of this book, but makes no expressed or implied warranty of any kind and assumes no responsibility for any errors or omissions. No liability is assumed for incidental or consequential damages in connection with or arising out of information contained in this book. The publisher shall not be liable for any special, consequential, or exemplary damages resulting, in whole or in part, from the readers' use of, or reliance upon, this material.

Independent verification should be sought for any data, advice or recommendations contained in this book. In addition, no responsibility is assumed by the publisher for any injury and/or damage to persons or property arising from any methods, products, instructions, ideas or otherwise contained in this publication.

This publication is designed to provide accurate and authoritative information with regard to the subject matter covered herein. It is sold with the clear understanding that the publisher is not engaged in rendering legal or any other professional services. If legal or any other expert assistance is required, the services of a competent person should be sought.

ISBN 978-4-905130-06-2 C3047

Date of issue: 4/8/2012

Editor: Toshiyuki Kawakami
Cooperative editor: Matsumoto Dental University Press

Printed in Japan