INDEX

Italicized page locators indicate photos; tables are noted with t.

| AAPD Caries Risk Assessment Tool (CAT), 188 |
| Asperger’s syndrome, 292 |
| radiographic enamel caries and, 325, 326 |
| AAPD Guideline on Fluoride Therapy, 188 |
| AAPD guidelines. See American Academy of Pediatric Dentistry guidelines |
| AAPD monitoring guidelines, 241–42 |
| Abscess. See acute periradicular (apical) abscess; periapical abscess |
| Absolute neutrophil count, 35, 37, 40 |
| dental treatment during cancer treatment and, 26 |
| T cell lymphoblastic leukemia and, 23 |
| Acetaminophen, hepatotoxicity potential and, 31 |
| Acid neutralizers, 187 |
| ACP. See Amorphous calcium phosphate; amorphous calcium phosphate |
| Acrylic pressure appliances, 210, 211 |
| Activated partial thromboplastin time, 9 |
| Activated prothrombin complex concentrate, hemophilia patients and, 21 |
| Acute apical periodontitis, emergency treatment, 133 |
| Acute asthma attack, 267 |
| Acute lymphoblastic leukemia |
| background information on: prevalence, prognosis, 22 |
| dental treatment during treatment for, 26 |
| oral health for children with, 24 |
| Acute periradicular (apical) abscess, 132 |
| comprehensive treatment plan, 126–27 |
| diagnosis and problem list, 126 |
| diagnostic tools, 127, 127 |
| differential diagnosis, 127, 127 |
| facial photograph, 126 |
| intra-oral exam, 126 |
| Acute periradicular (apical) periodontitis, 132 |
| Acyanotic lesions, characteristics of, 5 |
| Acyclovir, for oral herpes, 61, 62 |
| ADA guidelines. See American Dental Association guidelines |
| Adderall, 157 |
| Adrenal crisis, symptoms of and treatment for, 281, 283, 284 |
| AEDs. See Anti-epileptic drugs |
| Aggressive pulpectomies, secondary primary molar, 211 |
| AHA guidelines. See American Heart Association guidelines |
| Al. See Amelogenesis imperfecta |
| Air voids (within resin), 335, 336 |
| Airway management |
| adult airway compared to child airway, 256 |
| common complications and alternative treatment plans, 256 |
| comprehensive treatment plan, 254 |
| diagnosis and problem list, 254 |
| diagnostic tools, 253 |
| extra-oral exam, 253 |
| intra-oral exam, 253 |
| patient history, 253 |
| prognosis and discussion, 254–55 |
| self-study questions/answers, 257, 258 |
| visualization of the uvula and tonsils, 254 |
| Airway obstruction, sedation and, 242 |
| Airway support, 261 |
| Albuterol, 44, 263, 302 |
| ALL. See Acute lymphoblastic leukemia |
Allergic reactions, 186. See also Latex allergy
anaphylaxis, 261
causes of, 260
common complications and alternative treatment
plans, 261
comprehensive treatment plan, 260
diagnosis and problem list, 260
extra-oral exam, 259
facial photographs, 259
food, 261, 262
intra-oral exam, 259–60
latex, 259
in office setting, 261, 262
patient history, 259
physiology of, Types I-IV, 260
prognosis and discussion, 261
recognizing, 260
resin-based composites, 307
self-study questions/answers, 261, 262
signs and symptoms, 261, 262
treatment of, 261
Allergy. See allergic reactions
Alpha-1 antitrypsin deficiency, pediatric liver
transplantation and, 30
Alveolar fracture, fundamental points about, 154
Amalgam, as traditional choice for posterior
restorations, 305
Amelogenesis imperfecta (AI)
common complications and alternative treatment
plans, 86
comprehensive treatment plan, 84
diagnosis and problem list, 84
diagnostic tools, 84
differential diagnosis, 84
extra-oral exam, 83, 83
facial photograph, 83
intra-oral exam, 83–84, 84
patient history, 83
planning and treatment for, 85
post-operative intra-oral photos, 85
prognosis and discussion, 85–86
self-study questions/answers, 86, 87
American Academy of Pediatric Dentistry (AAPD)
guidelines
interim therapeutic restoration, 320
for monitoring, 241–42
radiographic examination, 304
restorative materials, 316
transitional dentition, 309
American College of Chest Physicians, 9
American Dental Association (ADA) guidelines, 9
radiographic, 304
transitional dentition, 309
American Heart Association (AHA) guidelines, infective
endocarditis prevention, 328
American Society of Anesthesiologists (ASA)
classification
class I and II, 341
class III, 337, 340, 341
of physical status for seizure disorder, 286, 288, 289
AMICAR, 18
Aminocaproic acid, 18
Aminosalicylates, for Crohn’s disease, 50f
Amnesia drug regimen, 242
Amorphous calcium phosphate (ACP), 188, 230, 231
Amoxicillin, 126
for facial infections, 56
SSC restoration, 337
Anaphylaxis, 261, 262
ANC. See Absolute neutrophil count
Anesthesia. See General anesthesia; Local anesthesia/
anesthetics
Angle Class II malocclusion, 153
Angular cheilitis, 48, 49
Ankylosed tooth, 171
Ankylosis, 155
intrusion injuries, 165
with replacement root resorption, avulsed teeth and, 169–70
Anterior teeth
alternative treatments for, 87
crowns compared to composites, 335, 336
Antibiotic paste, 151
Antibiotic prophylaxis, determining need for, 337
Antibiotics
acute odontogenic infection, 57
allergic reaction, 134, 135
avulsion injuries, 168
choice of, 57
endocarditis, 75
endodontic bacteria, 134
for facial infections, 56
gingival surgery and, 76, 77
use protocol, 75
Anticholinergics, 266
Anticoagulant therapy, background information on, 9
Anti-epileptic drugs, 288, 289
Antifibrinolytic medications, 18
Anti-rejection medication, transplant recipients, 77
Antivirals, 63
Anxiety relief, 258
Anxiolysis, drug regimen and, 242
Aortic stenosis, 5
Apexification, 122, 123
Apexogenesis, 151
APTT. See Activated partial thromboplastin time
ART, See Atraumatic restorative technique
Artglass veneers, amelogenesis imperfecta, 85
Articaine, maximum doses of, in children, 247, 248
ASA. See Aminosalicylates
ASA classification. See American Society of Anesthesiologists classification
ASA Physical Status Classification System, 239
ASD. See Atrial septal defect
Ashkenazi Jews, hemophilia C and, 18
Asperger’s syndrome
    behavioral considerations with, 291
    comprehensive treatment plan, 292–93
diagnosis and problem list, 292
diagnostic criteria for, 291
diagnostic tools, 292
extra-oral exam, 290, 290
facial photographs, 290
intra-oral exam, 290, 292, 292
oral considerations in, 292
patient history, 290
prognosis and discussion, 293
self-study questions/answers, 293, 294
Aspiration risk, 146
Aspirin
    hemophilia patients and, 19, 21
    Reye’s syndrome and, 31, 34
Asthma
    assessing history of, 42
    background information on, 42
    classifications, 267
    common complications and alternative treatment plans, 44, 266
    complications in patients with, 303
    comprehensive treatment plan, 43, 264
defined, 42
dental history, 41
dental management of patients with, 45
diagnosis, 41
diagnosis and problem list, 264
diagnostic tools, 41
extra-oral exam, 263
facial photographs, 263
history of present illness and, 41
intra-oral exam, 41, 264
medical history, 41, 302
pathophysiology of, 264
patient history, 263
pharmacotherapeutic management of, 44
pre-op intra-oral photos, 43
pre-op radiographs, 43
presenting patient, 41
problem list, 41
prognosis and discussion, 43–44, 264–65
self-study questions/answers, 45, 46, 266, 267
social history, 41
types of, 264
Asthma attack
    medication, 266, 266
    recognition of, 266
    treatment, 266
Asthma inhaler, 266, 266
Atraumatic restorative technique, 191
Atrial septal defect, 5
Autism
    Asperger’s syndrome and, 293, 294
dental caries and, 293, 294
Autistic spectrum disorders, 293, 294
Avulsed teeth, replantation of, 170
Avulsion of gingival tissue, 173
Bacterial pathogens, immunological defects and, 36
Bag-valve-mask, use of, 255, 255, 258
Beclomethasone, asthma management and, 44
Behavior
    Asperger’s syndrome, 291
trisomy 21 and, 273
Behavior management
caries, 283
class V resin restoration, 324
Down syndrome, 200
functional inquiry, 234
local anesthesia and, 247
non-pharmacological
    complications and alternative treatment plans, 235
    comprehensive treatment plan, 235
dental team and, 237
    extra-oral exam, 234
    functional inquiry, 234
    intra-oral exam, 234–35
    patient history, 234
    prognosis and discussion, 235, 235
    self study questions/answers, 236, 237
pharmacological
    benzodiazepines, 242
    chloral hydrate, 242
    complications and alternative treatment plans, 241–42
Cerebral palsy
  background information on, 275
  comprehensive treatment plan, 277
  dental caries risk, 277
  diagnosis and problem list, 276
  diagnostic tools, 276
  extra-oral exam, 275, 276
  facial photograph, 275
  intra-oral exam, 276, 276
  low-birth weight and, 276
  medical consult, 276
  oral considerations in, 277
  oral/perioral complications, 278, 279
  patient history, 275–76
  prognosis and discussion, 277
  sedation considerations, 276
  self-study questions/answers, 278, 279
Cervical decalcification, 186, 187
Cervical pulpotomy in cariously exposed primary molars
  background information, 103
  complications and alternative treatment plans, 103
  comprehensive treatment plan, 102
  diagnosis and problem list, 101–2
  diagnostic tools, 101, 102
  differential diagnosis, 101
  facial photographs, 101
  fundamental point, 102
  intra-oral exam, 101
  patient history, 101
  prognosis and discussion, 102–3
  radiographic follow-up, 102
  self-study questions/answers, 103, 104
Cervical spine mobility, 254
CF. See Cystic fibrosis
CFTR protein. See cystic fibrosis transmembrane regulator protein
CGD. See Chronic granulomatous disease
CHD. See Congenital heart disease
Chemotherapy, craniofacial complex and acute/long-term effects of, 27
Child with disability
  caries risk and, 200
  complications, 200
  comprehensive treatment plan, 200
  diagnosis and problem list, 199–200, 200
  diagnostic tools, 199
  extra-oral exam, 199
  facial photograph, 198
  intra-oral exam/photo, 199, 199
  patient history, 198
  prognosis and discussion, 200
  radiographic considerations, 201, 202
  restorative case, 198–202
  self-study questions/answers, 201, 202
Chin button-genioplasty, 228
Chloral hydrate, pharmacology of, 242
Chlorhexidine, 121
  disinfection of root canal and, 127, 128
  mouth rinse, 61, 169, 180
Chromosomal disorders, congenital heart disease and, 5
Chronic benign neutropenia
  common complications and alternative treatment plans, 39
  comprehensive treatment plan, 38, 39
  diagnosis and problem list, 38
  diagnostic tools, 36
  differential diagnosis, 36, 38
  immunological defects and susceptibility infection, 35
  intra-oral examination, 36
  medical consult, 35
  panoramic radiograph, 38
  patient history, 35
  pre-op intra-oral photos, anterior, maxillary, and mandible, 38
  presenting patient, 35
  prognosis and discussion, 39
  self-study questions and answers, 39, 40
Chronic granulomatous disease, 37
Cinnamon, orofacial granulomatosis and, 50, 52
Ciprofl oxacin, 50t, 133
Class II glass ionomer
  complications and alternative treatment, 311
  comprehensive treatment plan, 309
  dental caries treatment and, 310, 310
  diagnosis and problem list, 309
  diagnostic tools, 309
  facial photographs, 308
  final restoration, 311
  intra-oral exam, 308–9
  patient history, 308
  pre-operative bitewing radiographs, 309
  prep-operative photos, 308
  primer applied, 310, 310
  prognosis and discussion, 310–11
  rationale for material selection, 309
  self-study questions/answers, 311, 312
Class II resin-modified glass ionomer cement restoration, background information on, 310
Class II resin restoration
complications and alternative treatment plan, 315
diagnosis and problem list, 314
diagnostic tools, 313, 314
etching with phosphoric acid, 314, 315
facial photographs, 313
final restoration, 314, 315
intra-oral exam, 313
light curing of, 314, 315, 316, 317
patient history, 313
post-operative intra-oral photographs
cavity preparation and matrix placement, 314, 315
finishing, 314, 315
restoration, 314, 315
rubber dam isolation, 314, 315
pre-operative radiographs, 314
prognosis and discussion, 314
self-study questions/answers, 316, 317

Class IV resin restoration
anterior periapical radiograph, 328, 329
complications and alternative treatment plan, 330
comprehensive treatment plan, 329–30
diagnosis and problem list, 329
diagnostic tools, 328, 329
extra-oral exam, 327, 328
facial photographs, 327
intra-oral exam, 327, 328, 328
local anesthetic, 328, 329
medical consult, 327
patient history, 327
post-trauma assessment, 328
pre-operative view of fractured tooth number 9, 328, 329
prognosis and discussion, 330
self-study questions/answers, 331, 332
treatment
1.5-mm chamfer on enamel margins with a
number 1 DT diamond bur, 329
clear matrix band to prevent etching and bonding
of adjacent tooth, 330
final restoration, 330
polishing of restoration, 330
slight 1-mm bevel on chamfer with number 1/8A
diamond bur, 328, 329
thin layer of glass ionomer liner on exposed
dentin, 328, 329

Class V glass ionomer cement restoration, indications
for, 320, 321
Class V glass ionomer restoration
cavity preparation, 319, 320
diagnosis, 319
diagnostic tools, 319

facial photographs, 318
intra-oral examination, 319
patient history, 318–19
pre-operative maxillary occlusal radiograph, 318
prognosis, 320
restorative treatment for tooth G, 320
self-study questions/answers, 321, 322
treatment difficulties, 319
treatment plan, 310

Class V resin restoration
anterior maxillary and mandibular periapical
radiographs, 323
background information, 325
bitewing radiographs, 323
complications and alternative treatment plan, 324
comprehensive treatment plan, 323–24
diagnosis and problem list, 323
diagnostic tools, 323, 323
facial photographs, 322
final restoration, 324, 324
fluoride varnish, 324
intra-oral exam, 322–23, 323
orthodontic evaluation, 323
patient history, 322
placement of bonding agent, 324, 324
placement of resin, 324, 324
pre-operative photos, 323
prognosis and discussion, 324
restorative material selection, 325
rubber dam isolation, 324, 324
treatment using, 324, 324

Class V restorations
local anesthesia, 326
restorative materials, 316
Clindamycin, facial swelling and, 58
Closed head injuries, 138, 168
intrusion injuries, 166
ruling out, 144, 147, 153, 157
soft tissue injury, 172
Closure of apex, 128
Coagulation tests, cancer treatment and, 26
Coarctation of the aorta, 5
Cognitive impairment, Asperger’s syndrome and, 293,
294
Communication techniques
for anxious patients, 235, 235
distraction, 236
failure of, 237
Complete blood count
dental treatment during cancer treatment and, 26
T cell lymphoblastic leukemia and, 23
Complicated crown fracture of permanent tooth, 147–52
  comprehensive treatment, 149, 149
  diagnosis and problem list, 148, 148
  diagnostic tools, 148, 148
  facial photograph, 147
  intra-oral exam, 148
  patient history, 147
  prognosis and discussion, 149
Composite resin, 325
Composite resin provisional restoration, 149
Cone beam computer tomography, orthodontic assessments and, 207
Congenital adrenal hyperplasia
  genetic inheritance pattern, 283
  outpatient sedation procedures, 283, 284
Congenital adrenal hyperplasia (CAH)
  background information, 280
  complications and alternative treatment, 283
  comprehensive treatment plan, 282
  corticosteroid therapy, 281
  dental history, 281
  diagnosis and problem list, 281–82
  diagnostic tools, 281
  extra-oral exam, 281, 282
  facial photographs, 280
  genetic inheritance pattern with, 283, 284
  intra-oral exam, 281, 282
  medical consult, 281
  medications, 283, 284
  oral considerations, 283
  patient history, 280
  prognosis and discussion, 282
  radiographic examination, 282
  self-study questions/answers, 283, 284
Congenital epulis/granular cell tumor of infancy, 69
Congenital heart disease, 4–10
  anticoagulant therapy, background information, 9
  background information, 5
  cardiac medications, 5
  common complications and alternative treatment plans, 8
  comprehensive treatment plan, 7–8
  current cardiac status, 5
  diagnosis, 6
  diagnostic tools, 6
  differential diagnosis, development, infective, and odontogenic, 6
  extra-oral exam, 4
  intro-oral exam, 4, 6
  medical consult, 4
  patient history, 4
  photograph
    facial, 4
    post-op intra-oral, 7
    pre-op intra-oral, 7
    pre-op intra-oral radiographs, 6
  previous and future surgical management, 5
  problem list, 6–7
  prognosis and discussion, 8
  risk factors, 5
  self-study questions and answers, 9, 10
Congenital oral abnormalities, 185
Connective tissue disorders, 79
Conscious sedation, asthma patients and, 45
Contamination, 335. See also Saliva contamination
Continuous positive airway pressure (CPAP), 256
Coronary heart disease, infective endocarditis and, 8
Corticosteroids
  asthma and, 44, 266
  congenital adrenal hyperplasia, 281
  fundamental points of, 281
Coumadin, 5, 9
Coxsackie viral infection, 60, 60f
CP. See Cerebral palsy
CPAP. See Continuous positive airway pressure
Craniofacial abnormalities, pre-op airway evaluation and, 254
Craniofacial anomaly
  complications and alternative treatment plan, 230
  comprehensive treatment plan, 230
  diagnostic tools, 227, 227
  extra-oral exam, 226, 226, 227
  facial photograph, 226
  intra-oral exam, 226–28, 227
  orthognathic surgery, 228
  patient history, 226
  post-operative images, 229, 230
  pre-surgical images, 227, 228, 230
  prognosis and discussion, 230
  self-study questions/answers, 230, 231
Craniofacial complex, chemotherapy and acute/long-term effects of, 27
Craniofacial team management, importance of, 226
Crohn’s disease
  background information on, 48
  biopsy of oral lesion, 49
  categories of drugs for management of, 50t
  comprehensive treatment plan, 49
  dental treatment, 50
  diagnosis, 49
  diagnostic tools, 48
Crohn’s disease (cont’d)
differential diagnosis, 49
extra-oral exam, 48
facial photographs, 47
gross swelling and angular chelitis of lower lip, 48
intra-oral examination, 48
intra-oral soft tissue inflammation and ulcerations, 49
medical consult, pediatric gastroenterologist, 47
oral manifestations of, 49, 52
patient history, 47
presentation of, 48
prognosis and discussion, 50
self-study questions/answers, 51, 52
treatment of, 48
Crossbite
pre-op photos, 222
unilateral, 225
Crown, 84
adhesive cast gold, 85
discoloration of, 134, 135
types of, 86, 335, 336
Crown fracture
examination for, 148
injuries, 178
treatment for, 148
Crown fracture, complicated
definition, diagnosis, treatment, 96
treatment objectives, 99, 100
Custom cone technique, 125
Cvek pulpotomy. See partial pulpotomy
Cyanotic lesions, most common, 5
Cyclosporine, 73
gingival overgrowths, 74
liver transplantation patients and, 32
Cyklokapron, 18
Cystic fibrosis, 11–16
background information on, 12
common complications and alternative treatment plans, 15
comprehensive treatment plan, 14
diagnosis, 14
diagnostic tools, 13
extra-oral exam, 12
facial photograph, 11
intra-oral exam, 12–13
long-term complications with, 16
medical consult, 12
oral manifestations, 13
patient history, 11–12
problem list, 14
prognosis and discussion, 14–15
questions for caretaker of patient with, 11
radiograph, 13, 14
self-study questions and answers, 15, 16
Cystic fibrosis transmembrane regulator (CFTR) protein, 12
DDAVP, 18
Deep carious lesions, 101
Degloving injury, 173
Dehydration, 281
Delayed eruption, 87
Dental avulsion
management of, 168
reimplantation and history of, 168
Dental caries. See also Caries Risk Assessment Tool;
Early childhood caries managed with interim therapeutic restorations; partial pulpotomy
Asperger’s syndrome, 292–93
asthma patients and, 44, 264–65
autism, 293, 294
behavioral management, 283
child with disability, 200
class II glass ionomer, 309, 310, 310
class II resin restoration for, 314
class V resin restoration, 323–24, 325
comprehensive treatment plan, 246, 297–98, 309
cystic fibrosis patients and, 13, 14
early childhood
class V glass ionomer restoration for, 319–21
prevention plan, 320
strip crowns for, 334–35, 335
infant risk factors, 189
prevention, chronic benign neutropenia, 39
prognosis, 92
prognosis and discussion, 246
removal, 91
risk, 94, 196, 230, 231
cerebral palsy, 277
child with disability, 200
trisomy 21 and, 272
Dental crowding, 272
Dental developmental defects, chemotherapy and/or radiotherapy and, 27
Dental erosion, infant oral health and, 187
Dental history, 157
Dental trauma, 138
complications of, 145
electric pulp test, 154
examination for, 144, 154
risk factors for, 156
seizure disorder, 287
Dentigerous cyst, root canal treatment in primary molars and, 109, 109
Dentin matrix, studies on, 118
Desensitization, 291, 293, 294
Desmopressin, 18
Developmental anomalies, 65
 eruption cysts compared to, 69
Diagnodent, 7
Diagnostic errors, periapical radiographs, 331, 332
Diastema, 64–65, 65
Diathermy, gingival overgrowths, 75
Digit sucking habits, 219, 220
Dilantin
 congenital heart disease and, 5
 seizure disorder, 288, 289
Diphenhydramine, 261
Direct pulp capping, 116
Discharge criteria, pharmacological behavior management, 243
Disinfection, 121
Distal shoe space maintainers, 210
Distraction communication technique, 236
Down syndrome (trisomy 21), 198
 background information, 199, 270
 behavior management, 200
 caries management in, 200
 clinical presentation of, 271
 complications and alternative treatment plan, 273
 comprehensive treatment plan, 272
 congenital heart disease and, 5
 craniofacial features of, 273, 274
 diagnosis and problem list, 271–72, 272
 diagnostic tools, 271–72
 extra-oral exam, 270, 271
 facial photographs, 270
 history and exam in, 199
 infective endocarditis prevention, 200
 intra-oral exam, 271, 271
 intra-oral findings, 273, 274
 intra-oral photos, 271
 medical consult, 271
 oral health and, 272
 oral manifestations in patients with, 201, 202
 outpatient sedation procedures, 273
 patient history, 270–71
 periodontal disease, 273, 274
 prognosis and discussion, 272–73
 sedation, 272, 273, 274
 self-study questions/answers, 273, 274
 systemic finding, 273, 274
 Doxycycline solution, 168, 171
Dressing material, 102–3
Drug-induced gingival enlargement, 74, 76, 77
Drug regimen
 amnesia, 242
 anxiolysis and, 242
Dry mouth, asthma patients and, 44
EAPD. See European Academy of Pediatric Dentistry
Early childhood caries managed with interim therapeutic restorations
 common complications and alternative treatment plans, 192
diagnostic tools, 190, 191, 191
extra-oral exam, 190
facial photographs, 190
interim therapeutic restorations, 191, 192
intra-oral exam, 190–91
intra-oral photo showing carious lesions on facial surfaces of anterior teeth, 190
patient history, 190
post-op intra-oral photo showing completed treatment, 191, 191
prognosis and discussion, 191–92
self-study questions/answers, 192, 193
Ebstein’s anomaly, 270
E-C technique, 258
Ectopic eruption, trisomy 21 and, 272
Electric pulp test (EPT), 127, 154
Emergency management, seizures, 288
Emergency treatment, acute apical periodontitis, 133
Enamel defects, in cystic fibrosis patients, 13, 14
Endocarditis, antibiotic use protocol, 75
Endodontic bacteria, antibiotics, 134
Enteral nutrition, for Crohn’s disease, 50t
Enzyme replacement therapy, 80
Epilepsy, defined, 288, 289
Epinephrine, 261
EPT. See Electric pulp test
Epulides, 73, 74
Eruption cysts, 69, 69–72. See also Newborns complications, 71
 comprehensive treatment plan, 70
diagnosis, 70
differential diagnosis, 69, 70
photograph, 69
prognosis and discussion, 70
provisional diagnosis and problem list, 69
self-study questions/answers, 71–72
Eruption of incisors, 215, 216
Esthetics
  amelogenesis imperfecta, 85
  gingival enlargement/heart transplant, 77
European Academy of Pediatric Dentistry, radiographic
  exam guidelines by, 304
Exfoliated teeth, histopathological examination of, 82
Eyes, primary herpetic gingivostomatitis, 61

Facial decalcification, 319
Facial infections
  dental complications, 57
  management of, 56
  prognosis and discussion, 57
  self-study questions, 57
  treatment plan, 56, 57
Facial swelling
  cephalosporin, 57, 58
  clinical history, 54–55
  diagnostic tools, 55, 55
  differential diagnosis, 55, 55
  extraoral exam, 55, 55
  intraoral exam, 55, 55
  obtaining history for, 54
  presenting patient, 54
Factor VIIa, hemophilia patients and, 21
Falls, injuries related to, 143
FC pulpotomies. See formocresol pulpotomies
Fever, oral inflammation and, obtaining history for, 59
First dental visit, acquired pathology
  diagnosis and problem list, 186
  extra-oral exam, 186
  intra-oral exam, 186, 187
  patient history, medical and dental, 186
First dental visit, healthy child
  caries risk assessment, 195
  comprehensive treatment plan, 195
  dental history, in infant oral health, 194
  diagnosis and problem list, 194–95
  diagnostic tools, 194, 195
  extra-oral exam, 195
  intra-oral exam, 195
  patient history, 194
  prognosis and discussion, 195
  self-study questions/answers, 196, 197
Flexible tooth splint, tooth avulsion treatment and, 161, 169, 170, 180
Florinef (fludrocortisone acetate), 280
Flucloxacillin, for prophylaxis against chest infections, 11, 14
Fludrocortisone acetate. See Florinef

Fluid balance, primary herpetic gingivostomatitis and, 61, 62
Fluoride, 189
  assessment, 187
  dentifrice in toothbrushing, 193
  ion concentration, 325, 326
  supplement, 188
Fluoride varnish
  Class V resin restoration, 324
  formulations, 193
  preschool child, 196
Flush root-treated teeth, 108
Follicular cysts, 87
  amelogenesis imperfecta, 84
Food allergies, 187, 261, 262
Formocresol (FC) pulpotomies, 103
Full mouth dental rehabilitation, 254
Functional inquiry, behavior management, 234
Fundoplication, 187
Fungal pathogens, immunological defects and, 36

Gag reflex, 258
Gastroesophageal reflux (GERD), 186, 187, 188, 189
G-CSF. See Granulocyte-colony stimulating factor
General anesthesia
  asthma patients and, 45
  child with disability
    complications and alternative treatment, 200
    comprehensive treatment plan, 200
    diagnosis and problem list, 199–200, 200
    diagnostic tools, 199
    extra-oral exam, 199
    facial photograph, 198
    intra-oral exam/photo, 199, 199
    patient history, 198
    prognosis and discussion, 200
    restorative case, 198–202
    self-study questions/answers, 201, 202
  common complications and alternative treatment
    plans, 250
  comprehensive treatment plan, 250
  cystic fibrosis patients and, contraindication, 13, 14, 16
  diagnosis and problem list, 250
  diagnostic tools, 250
  extra-oral exam, 249
  hemophilia patients and, 19
  indications/contraindications for, in pediatric
    dentistry, 250
  informed consent, 252
  intra-oral exam, 249
patient history, 249
pre-anesthetic feeding guidelines for, 251
pre-anesthetic medical history assessment, 252
prognosis and discussion, 250
requirements for, 341
self-study questions/answers, 251, 252
sickle cell anemia, 295
training for dentist and, 252
treatment need for, determination of, 338
Genetic counseling, hypophosphatasia, 79, 80, 81, 82
Genetic inheritance pattern, congenital adrenal hyperplasia, 283, 284
Geneticist, hypophosphatasia, 81, 82
Genioplasty, 230, 231
GERD. See Gastroesophageal reflux
Gingival biopsy, Crohn’s disease and, 47, 48, 49
Gingival enlargement
background information on, 73, 74
comprehensive treatment plan, 74, 74
differential diagnosis, 73, 74
fundamental point, 75
management, 75
photo of, 73
provisional diagnosis and problem list, 74
treatment options, 73
Gingival enlargement/heart transplant, 73–77
complications, 75
extra-oral exam, 73
history, 73
intra-oral exam, 74, 74
prognosis and discussion, 75
self-study questions/answers, 76, 77
Gingival hyperplasia, 288, 289
Gingival hypertrophy
seizure disorder, 287
sickle cell anemia, 296
Gingival inflammation, 80
cerebral palsy, 277
comprehensive treatment plan, 297–98
Down syndrome, 271
hypophosphatasia with, differential diagnosis, 80
mucosal ulcerations and, 60, 60
Gingival margins, strip crowns and, 334, 335
Gingival melanocytes, ablation of, 175
Gingival overgrowths, 74
diathermy, 75
mechanisms of, 74
surgical resection of, 75
Gingival surgery, 76, 77
Gingival tissues, 76, 77
Gingivectomy, for gingival overgrowths, 74
Gingivitis
Asperger’s syndrome, 292
asthma patients and, 44
congenital adrenal hyperplasia, 282, 282
fixed orthodontic appliance hyperplasia treatment and, 39
infant oral health and, 187
Glass ionomer. See Resin-modified glass ionomer
Glass ionomer cement, 91–92, 193
liner/base, 335
reaction of, 311, 312
B globin gene, 296
Glucocorticoids
for Crohn’s disease, 50t
liver transplantation patients and, 32
Gram-negative bacteria, immunological defects and, 36t
Gram-positive bacteria, immunological defects and, 36t
Granulocyte-colony stimulating factor, 27, 37
Gutta Percha point, 125, 130
Habits. See oral habits
Hamartomas, 69
Hank’s Balanced Salt Solution (HBSS), 168, 171
Hard boney injuries, 175
Hard tissue healing, root fractures and, 161
HBSS. See Hank’s Balanced Salt Solution
Head and neck, infections in, complications, 56
Head injury, 163
Head-type appliance, 220
Healing, 151, 156
partial pulpotomy, 98, 151
Hearing impairment, low birth weight and, 276
Hearing loss, 280–84
congenital adrenal hyperplasia, 281, 282
Heart murmurs
background information on, 328
fundamental of, 327
Hematocrit, T cell lymphoblastic leukemia, 23
Hematological malignancy, 60, 60
Hematopoietic stem cell transplantation, 80
Hemoglobin, T cell lymphoblastic leukemia and, 23
Hemophilia, management of, 18
Hemophilia A, 17–21
caretaker questions for patients with, 17
complications and alternative treatment plan, 19
comprehensive treatment plan, 18–19
dental care for patients with, 19
diagnosis, 18
diagnostic tools, 18
facial photographs, 17
intra-oral examination, 17
<table>
<thead>
<tr>
<th>Page</th>
<th>Section</th>
</tr>
</thead>
<tbody>
<tr>
<td>354</td>
<td>Clinical Cases in Pediatric Dentistry</td>
</tr>
<tr>
<td></td>
<td>Hemophilia A (cont’d)</td>
</tr>
<tr>
<td></td>
<td>medical consult, 17</td>
</tr>
<tr>
<td></td>
<td>patient history, 17</td>
</tr>
<tr>
<td></td>
<td>pre-op intra-oral radiographs, 18</td>
</tr>
<tr>
<td></td>
<td>problem list, 18</td>
</tr>
<tr>
<td></td>
<td>prognosis and diagnosis, 19</td>
</tr>
<tr>
<td></td>
<td>self-study questions/answers, 20, 21</td>
</tr>
<tr>
<td>17</td>
<td>Hemophilia B, 18</td>
</tr>
<tr>
<td>18</td>
<td>Hemophilia C, 18</td>
</tr>
<tr>
<td></td>
<td>Hemorrhage</td>
</tr>
<tr>
<td></td>
<td>during pulpotomy, 99, 100</td>
</tr>
<tr>
<td></td>
<td>pulpotomy procedure and control of, 97</td>
</tr>
<tr>
<td>9</td>
<td>Heparin, 9</td>
</tr>
<tr>
<td>9</td>
<td>Heparin sodium, 9</td>
</tr>
<tr>
<td>74</td>
<td>Hereditary gingival fibromatosis, 74</td>
</tr>
<tr>
<td>61</td>
<td>Herpes simplex virus, oral herpes and, 61</td>
</tr>
<tr>
<td>60</td>
<td>Herpetic lesions</td>
</tr>
<tr>
<td></td>
<td>management of, 61</td>
</tr>
<tr>
<td></td>
<td>presentation of, 60</td>
</tr>
<tr>
<td>18</td>
<td>Histamine-2 blockers, gastroesophageal reflux and, 187</td>
</tr>
<tr>
<td>56</td>
<td>Hospital admission, infections from, 56</td>
</tr>
<tr>
<td>117</td>
<td>Hydrated mineral trioxide aggregate (MTA), 117</td>
</tr>
<tr>
<td>280</td>
<td>Hydrocortisone, 280</td>
</tr>
<tr>
<td>66</td>
<td>Hyperparathyroidism, 66</td>
</tr>
<tr>
<td>261</td>
<td>Hypersensitivity reactions, 261, 262</td>
</tr>
<tr>
<td>322</td>
<td>Hypoglycemia, 322</td>
</tr>
<tr>
<td>35</td>
<td>Hypominerализed permanent first molars</td>
</tr>
<tr>
<td></td>
<td>chronic benign neutropenia and, 35</td>
</tr>
<tr>
<td></td>
<td>severe, extraction of, 39</td>
</tr>
<tr>
<td></td>
<td>treatment of, 38</td>
</tr>
<tr>
<td>80–81</td>
<td>Hypophosphatasia</td>
</tr>
<tr>
<td></td>
<td>background information on, 80–81</td>
</tr>
<tr>
<td></td>
<td>biochemical tests, 81</td>
</tr>
<tr>
<td></td>
<td>bone densitometry, 81, 82</td>
</tr>
<tr>
<td></td>
<td>complications, 81</td>
</tr>
<tr>
<td></td>
<td>comprehensive treatment plan, 79</td>
</tr>
<tr>
<td>79</td>
<td>diagnostic tools, 78–79, 79</td>
</tr>
<tr>
<td>79</td>
<td>differential diagnosis, 79</td>
</tr>
<tr>
<td>79</td>
<td>extra-oral exam, 78, 78</td>
</tr>
<tr>
<td></td>
<td>fundamental point, 80</td>
</tr>
<tr>
<td>78</td>
<td>patient history, 78</td>
</tr>
<tr>
<td>79</td>
<td>prognosis and discussion, 79</td>
</tr>
<tr>
<td>81</td>
<td>tests for children who may have, 81, 82</td>
</tr>
<tr>
<td>82</td>
<td>treatment, 80</td>
</tr>
<tr>
<td>80</td>
<td>Hypophosphatasia with gingival inflammation, differential diagnosis, 80</td>
</tr>
<tr>
<td>140</td>
<td>Hypoplastic defects of permanent successors, 140</td>
</tr>
<tr>
<td>277</td>
<td>Hypotonia, 277</td>
</tr>
<tr>
<td>9</td>
<td>IBD. See Inflammatory bowel disease</td>
</tr>
<tr>
<td>130</td>
<td>l-disto-occlusal decay, 309</td>
</tr>
<tr>
<td>166</td>
<td>IE. See Infective endocarditis</td>
</tr>
<tr>
<td>261</td>
<td>IgG antibodies, allergic reactions and, 261</td>
</tr>
<tr>
<td>206</td>
<td>Imaging technique, orthodontic assessment, 206, 207</td>
</tr>
<tr>
<td>150</td>
<td>Immature permanent incisor, necrotic pulp and, 150, 151</td>
</tr>
<tr>
<td>73</td>
<td>Immature teeth</td>
</tr>
<tr>
<td></td>
<td>Ca (OH)2 apexification and, 130</td>
</tr>
<tr>
<td></td>
<td>intrusion injuries, 166</td>
</tr>
<tr>
<td></td>
<td>revascularization technique, 150, 170</td>
</tr>
<tr>
<td>82</td>
<td>Immune disorder, 82</td>
</tr>
<tr>
<td>273</td>
<td>Immune response, Down syndrome and, 273, 274</td>
</tr>
<tr>
<td>35</td>
<td>Immunological defects</td>
</tr>
<tr>
<td></td>
<td>pathogens and, 36</td>
</tr>
<tr>
<td></td>
<td>susceptibility to infection and, 35</td>
</tr>
<tr>
<td>73</td>
<td>Immunosuppressive medication, 73</td>
</tr>
<tr>
<td>87</td>
<td>Impactions, 87, 272</td>
</tr>
<tr>
<td>225</td>
<td>Incisors, upright, 225</td>
</tr>
<tr>
<td>92</td>
<td>Indirect pulp treatment (IPT technique)</td>
</tr>
<tr>
<td></td>
<td>background information, 92</td>
</tr>
<tr>
<td></td>
<td>complications and alternative treatment plans, 93</td>
</tr>
<tr>
<td></td>
<td>comprehensive treatment plan, 91–92</td>
</tr>
<tr>
<td>91</td>
<td>diagnosis and problem list, 91</td>
</tr>
<tr>
<td>91</td>
<td>diagnostic tools, 91, 91</td>
</tr>
<tr>
<td>91</td>
<td>differential diagnosis, 91</td>
</tr>
<tr>
<td>90</td>
<td>facial photographs, 90</td>
</tr>
<tr>
<td></td>
<td>fundamental points of, 90</td>
</tr>
<tr>
<td>90</td>
<td>intra-oral exam, 90–91</td>
</tr>
<tr>
<td>94</td>
<td>literature review, 94</td>
</tr>
<tr>
<td>90</td>
<td>patient history, 90</td>
</tr>
<tr>
<td>92</td>
<td>prognosis and discussion, 92–93</td>
</tr>
<tr>
<td>91</td>
<td>radiograph</td>
</tr>
<tr>
<td>91</td>
<td>bitewing, 91, 92</td>
</tr>
<tr>
<td>92</td>
<td>follow-up, 92, 92</td>
</tr>
<tr>
<td>91</td>
<td>pre-op, 91</td>
</tr>
<tr>
<td>93</td>
<td>self-study questions/answers, 93, 94</td>
</tr>
<tr>
<td>140</td>
<td>Infant oral health</td>
</tr>
<tr>
<td></td>
<td>common complications and alternative treatment plans, 188</td>
</tr>
<tr>
<td>188</td>
<td>comprehensive treatment plan, 187–88</td>
</tr>
<tr>
<td>187</td>
<td>dental history in, 187</td>
</tr>
<tr>
<td>188</td>
<td>diagnostic tools in, 188</td>
</tr>
<tr>
<td>194</td>
<td>first dental visit, 194</td>
</tr>
<tr>
<td>188</td>
<td>prognosis and discussion, 188</td>
</tr>
<tr>
<td>188</td>
<td>self-study questions/answers, 188, 189</td>
</tr>
<tr>
<td>188</td>
<td>Infections. See also facial infections; Odontogenic infection, acute</td>
</tr>
<tr>
<td>35</td>
<td>in children with neutropenia, 35</td>
</tr>
<tr>
<td>56</td>
<td>in head and neck, complications, 56</td>
</tr>
<tr>
<td>57</td>
<td>hospital admission, 56, 57</td>
</tr>
</tbody>
</table>
immunological defects, 35
management, 57
Infective endocarditis (IE), 7
background information, 8
Down syndrome, 200
prevention, 328
prophylaxis, 201, 202
Inflammatory bowel disease, 48
Inflammatory hyperplasias, 65, 69
Infliximab/Remicade, for Crohn’s disease, 50
Informed consent
general anesthesia, 252
orthodontic, 206
patient review of, 206, 207
treatment and, 206, 207
INR. See International normalized ratio
Intellectual disability, 276, 280–84
Interceptive orthodontics: anterior crossbite and mixed
dentition
complications and alternative treatment, 224
comprehensive treatment plan, 222
diagnosis and problem list, 221–22
diagnosis and rationale for treatment, 222
diagnostic tools, 221
facial, frontal, profile photographs, 221
intra-oral exam, 221, 221
patient history, 221
radiograph
peri-operative intra-oral photographs, 222–23, 223
post-op photos showing crossbite, 223, 223
pre-op photos showing anterior crossbite, 222
self-study questions/answers, 224, 225
Interceptive orthodontics: habit appliances
complications and alternative treatment, 218–19
comprehensive treatment plan, 218
diagnosis and problem list, 218
diagnostic tools, 218, 218
intra-oral exam, 217
intra-oral photos, post-op, 218
patient history, 217
prognosis and discussion, 218
self-study questions/answers, 219, 220
treatment alternatives, 218
Interim therapeutic restorations (ITR)
early childhood caries, 191, 192
indications for, 320, 321
treatment planning for, 190
International normalized ratio, 9
Intra-oral appliances, 218
Intra-oral lesions, 64

Intrusion injuries
complications and alternative treatment plan, 140
complications with, 164
diagnosis and problem list, 139, 139
extra-oral exam, 139
facial photo, 138
fundamental point, 139, 141, 164
intra-oral exam, 139, 139
patient history, 138–39
to primary dentition, 138–42
prognosis and discussion, 140, 140
self-study questions/answers, 140, 141, 164, 165
treatment, 140
Intubated patient in operating room, 255
Intubation, indicators of difficult, 254
IPT. See Indirect pulp treatment
IPT technique. See Indirect pulp treatment
Irrigation, copious, for root canal treatment of
immature tooth, 124, 125
ITR. See Interim therapeutic restorations
IV Advate ®, 17

J mesio-occlusal decay, 309
Juice, 192

Knee-to-knee exam position, 195
Kostmann syndrome, hematopoietic stem cell
transplant for, 37

LAD. See Leucocyte adhesion deficiency
Laryngoscopy and intubation, potentially difficult,
indicators, 254
Lateral luxation/extrusion injuries, primary dentition
compared to permanent dentition, 179
Latex allergy, 259, 261, 262
Leeway space, 215, 216
Leucocyte adhesion deficiency, 37
Leukemia. See Acute lymphoblastic leukemia; T cell
lymphoblastic leukemia/chemotherapy
Lidocaine, maximum doses of, in children, 247, 248
Lingual arch appliance, 214, 215, 216
Liver, functions and disorders of, 30
Liver disease
dental treatment considerations for, 31
in older children with cystic fibrosis, 13
Liver transplantation, 29–34
chief complaint, 29
common complications and alternative treatment
plans, 32
comprehensive treatment plan, 31–32
dental history, 29–30
INDEX

Liver transplantation (cont’d)
dental management of child before and after, 32
diagnosis, 31
diagnostic tools, 30
differential diagnosis, 30
facial photo, 29
intra-oral exam, 30
medical consult, pediatric gastroenterologist, 29
medical history, 29
pediatric, common indications for, 30
pre-op intra-oral photos, 30
pre-op radiographs, maxillary, right and left
  bitewings, 30
presenting patient, 29
problem list, 31
prognosis and discussion, 32
self-study questions and answers, 33, 34
social history, 29
Local anesthesia/anesthetics
  administration of, 246, 247
  Class II resin restoration, 314, 314
  Class IV resin, 328, 329
  Class V restorations and, 326
  complications, 247
  infiltration, 246, 247
  maximum doses of, in children, 246
  toxicity, signs of, 247, 249
Loss of consciousness, seizure disorder, 287
Low birth weight
  associated disorders and, 276
  cerebral palsy, 279
  intellectual disability, 276
Lower anterior crowding, managing, 214
Luxation injury, radiograph showing, 153
Mallampati score, airway evaluation and, 254, 254
Malocclusion
  cerebral palsy and, 277
  comprehensive treatment plan, 297–98
  congenital adrenal hyperplasia, 282, 282, 283
  orthodontic evaluation, 323
  trisomy 21 and, 272
Mandible-bilateral split sagittal osteotomy, 228
Mandibular foramen, as injection site, 247, 248
Mask ventilation
  non-rebreather mask, 258
  potentially difficult, indicators, 254
Maxillary Le Fort I osteotomy, 228, 230, 231
Maxillary left permanent central incisor
  follow-up treatment of, 159
  intrusion injuries, 165
  permanent tooth avulsion and, 169–70
  pre-op, 132, 132
  treatment of, 158, 179
  Maxillary left permanent lateral incisor, 159
  Maxillary right permanent central incisor
    follow-up treatment of, 159
    intrusion injuries, 164
    tooth avulsion treatment and, 169, 180
  Maxillary right permanent central incisor (avulsed), 169–70
  Maxillary right permanent lateral incisor, 158–59
  Mechanical retention, 325
  Medical emergencies, management of, 261
  Medically compromised patient, 337
    oral health, 338
Medications. See also sedative medications
  anti-rejection, 77
  asthma attack, 266, 266
  cardiac, 5
  categories of, Crohn’s disease, 50t
  congenital adrenal hyperplasia, 283, 284
  inhaled, 277
  orofacial granulomatosis, 50
  over-the-counter, pain, 154
Medico-legal considerations, tooth splinting, 145
Meperidine, 242
Mepivacaine, maximum doses of, in children, 247, 248
Mesalazine, for Crohn’s disease, 50t
Mesio-occlusal lesion, 309
Metabolic disorders
  hypophosphatasia compared to, 79
  inherited, 80
Methotrexate, 23
Metronidazole
  for Crohn’s disease, 50t
  facial swelling and, 57, 58
Micrognathia, 254
Microorganisms, prepubertal periodontitis, 82
Midazolam (Versed), 45, 242
Mild intermittent asthma, 264
Mild persistent asthma, 264
Milk, cold, 168
Mineral trioxide aggregate (MTA), 117, 117, 119, 133
  apexification and, 151
  Ca (OH)2 apexification compared to, 128
  partial pulpotomy and, 97, 99
Minimally invasive resin restorations, 305
Minocycline, 133
Mixed dentition
  early, 275, 276
  intraoral exam, 55, 55
  occlusal evaluation of, 74
Mixed dentition arch analyses, standardized prediction formulas for, 215, 216
Mixed dentition malocclusion, type III complications and alternative treatment plan, 206 comprehensive treatment plan, 206 diagnosis and problem list, 205, 205 diagnostic tools, 205, 205 extra-oral exam, 204, 204 extra-oral photographs, 204 intra-oral exam, 204, 204–5 patient history, 204 prognosis and discussion, 206
Mixed dentition space analysis, fundamental points about, 213 Modeling, 235, 236 Molar-incisor-hypomineralization, 38 Monitors, patient sedation using, 243. See also AAPD monitoring guidelines Monocytes, 37 Morbidity, amelogenesis imperfecta, 84 Mouthguard, 329, 330 ADA recommendations for, 153 MTA. See Hydrated mineral trioxide aggregate; Mineral trioxide aggregate Mucosal ulcerations, 60, 60 Mucositis, 24, 27 Mucous retention cyst, 185
Narcotics, 242 Nasal cannulas, 255 Nasotracheal intubation, hemophilia patients and, contraindication, 21 Natal tooth/teeth, 182, 183, 183 background information, 70, 70 extraction of, 71–72 removal, 185 Neck, short, 254 Necrotic immature permanent teeth, regeneration of pulp and, 134 Necrotic immature permanent teeth with apical periodontitis mineral trioxide aggregate, 133 revascularization of, 131–36 background information, 133 clinical and radiographic follow-up, 134, 134 complications and alternative treatment plans, 135 comprehensive treatment plan, 132–33 diagnosis and problem list, 132 diagnostic tools, 132 differential diagnosis, 132 extra-oral exam, 131
Odontogenic infection, acute (cont’d)
  extra-oral exam, 55
  facial photograph, 54
  intra-oral exam, 55
  patient history, 55
  prognosis and discussion
    acute phase management, 57
    choice of antibiotics, 57
    choice of management, 57
  radiographs
    pre-op bitewing radiographs, 55
    pre-op intra-oral photos, 55
    pre-op panoramic radiograph, pan image, 55
  self-study questions/answers, 57, 58
Odontogenic keratocyst, 70
OFG. See Orofacial granulomatosis
Open apex, 124, 125
Opiates, asthma patients and, avoidance of, 45
Opioids, pharmacology of, 242
Oral candidiasis, asthma patients and, 43, 44
Oral erythema, 187
Oral habits
  dental changes and, 196
  fundamental points of, 217
Oral health. See also infant oral health
  maintenance, 24, 277
  medically compromised patient and, 338
  psychotropic medications, 293
  trisomy 21 and, 272
Oral herpes, background information on, 61
Oral hygiene, 196, 230, 231
  first dental visit, 195
  hypophosphatasia, 79
  instruction for infant, 188
  sickle cell anemia, 297–98
  trisomy 21 and, 273
Oral inflammation and fever, obtaining history for, 59
Oral trauma, health history after, 144
Orofacial granulomatosis, 49, 50
  agents implicated in, 50, 52
Orthodontic appliances, 218
Orthodontic documentation, evaluation, and assessment
  diagnosis and problem list, 205, 205
  diagnostic tools, 205, 205
  extra-oral exam, 204, 204
  extra-oral photographs, 204
  intra-oral exam, 204, 204–5
  orthodontic assessment
    basic components of, 206, 207
    imaging technique, 206, 207
  patient history, 204
  self-study questions/answers, 206, 207
Orthodontic informed consent, common specific areas covered in, 206
Orthodontic opinion, gingival enlargement/heart transplant, 76, 77
Orthodontic records, 205
Orthodontic treatment, “early,” advantages/disadvantages of, 223
Orthognathic surgery
  basic overview, 228
  pre and post op photos, 228, 229
Osseous healing, 156
Overbite, deep, 212
Overjet, studies of, 153
Overweight children
  identifying, 306, 307
  sedation and, 306
Oxygen masks, 255
Oxygen therapy, 255
Pain management, intraoperative
  common complications and alternative treatment plans, 246–47
  diagnosis and problem list, 245–46
  diagnostic tools, 245
  extra-oral exam, 245
  facial photographs, 245
  intra-oral exam, 245
  patient history, 245
  self-study questions/answers, 247, 248
Pain medications, over-the-counter, 154
Pancreatin, 12, 14
  calculus formation, dental caries and, in cystic fibrosis patients, 13, 16
Paracetamol, for herpetic lesions, 61
Parents. See also caretaker
  asthmatic children and, 267
  in operatory, 235, 238
Paresthesia, 247
Partial airway obstruction, 258
Partial pulpotomy (Cvek pulpotomy), 149, 149
  advantages of, 96
  in carious permanent molar
    complications and alternative treatment plans, 113
    comprehensive treatment plan, 112
    diagnostic tests, 111, 112
    differential diagnosis, 112
    facial photograph, 111
    intra-oral exam, 111
    patient history, 111
prognosis and discussion, 113
radiographic follow-up, 112–13, 113
self-study questions/answers, 113, 114
complications and alternative treatments, 99
healing, 98, 151
indications and technique, 97, 99
self-study questions/answers, 99, 100, 150, 151
in traumatized primary incisors, 96–100
background information, 97
comprehensive treatment plan, 96
diagnostic tools, 96, 96
differential diagnosis, 96
extra-oral and intraoral exam, 96
facial photograph, 96
fundamental point, 96
history, 96
prognosis and discussion, 96–97
for young permanent posterior teeth, 112
Partial thromboplastin time, liver transplant patients and, 29
Patent ductus arteriosus, 5, 276
Patient assessment
Brodsky scale, 241
fundamental points in, 239
PDA. See Patent ductus arteriosus
PDL. See periodontal ligament
Pediatric Life Support Manual, 258
Penicillin, 168
Penicillin VK, 56
Pepcid therapy, 186
Percussion tests
crown fracture, 148
permanent incisor intrusion, 163
Periapical abscess, 113
Perinatal oral pathology, 182–89
clinical exam: significance of findings, 182
complications and alternative treatment plan, 183
diagnosis and problem list, 183
diagnostic tools, 182, 183, 183
differential diagnosis, 183
intra-oral exam, 182
maternal/child history, pregnancy and birth, 183
patient history, 182
prognosis and discussion, 183
self-study questions/answers, 184, 185
treatment plan, 183
Periodontal disease
in children, 82
Down syndrome, 273, 274
Periodontal health, Asperger’s syndrome, 292

Periodontal ligament (PDL)
healing of, 151
permanent incisor intrusion, 163, 163
re-attachment process, 158–59
vitality of, 170, 171
Peripheral giant cell granuloma
background information on, 65, 66
complications, 66
comprehensive treatment plan, 65, 66f
dental history, 64
diagnostic tools, 65
differential diagnosis, 65
facial photograph, 64
fundamental point, 64, 66
history of present injury, 64
intra-oral exam, 64–65, 65
medical history, 64
patient history, 64
presenting patient, 64
prognosis and discussion, 66
provisional diagnosis and problem list, 65
self-study questions/answers, 67, 68
Periradicular pathology, definitions, 132
Permanent dentition
crown fracture injuries, 178
dentoalveolar luxation injury to, 152–56
complications and alternative treatment plan, 156
diagnosis and problem list, 153
diagnostic tools, 153, 153
extra-oral exam, 152
facial photograph, 152
fundamental point, 153
intra-oral exam, 152
patient history, 152
prognosis and complications, 154–55
self-study questions/answers, 156, 157
treatment for, 154, 154, 179
root fracture in, 177
Permanent incisor intrusion, 162–66
complications and alternative treatment plans, 165
diagnosis and problem list, 164
diagnostic tools, 163, 163
facial photograph, 162
flexible splint, 170
intra-oral exam, 162–63
intra-oral photo
showing repositioning of intrusion and splint, 164
showing soft tissue and dental trauma, 163
patient history, 162
prognosis and discussion, 164–65
self-study questions/answers, 165, 166
INDEX

Permanent incisor intrusion (cont’d)
  trauma history, 163
  treatment, 164
Permanent molars, alternative treatments for, 86, 87
Permanent tooth avulsion, 167–72
  chief complaint and history of present injury, 167
  common complications and alternative treatment plans, 169–70
  comprehensive treatment, 169, 180
  diagnostic tools, 169
  facial photograph, 167
  intra-oral exam, 167
  intra-oral photo showing flexible splint, 170
  intra-oral photos showing avulsion and dental fracture, 169
  intra-oral photos showing replantation of avulsed tooth, 170
  patient history, 167
  prognosis and discussion, 169
  self-study questions/answers, 170, 171
  transport media for avulsed teeth, 168
Permanent tooth root fracture and extrusive luxation
diagnosis and problem list, 158
  diagnostic tools, 158
  extra-oral exam, 158
  intra-oral exam, 158
  patient history, 157–58
  presenting patient, 157, 157
  prognosis and discussion, 160
  self-study questions/answers, 160, 161
  treatment, 158–59
Phenytoin sodium, 5
Pins, metal, 128
Plaque on teeth, 187
Plaque retention, 94
Platelet counts, cancer treatment and, 26
Platelets, T cell lymphoblastic leukemia and, 23
Positive reinforcement, 236
Posts, metal, 128
Post-trauma assessment, 328
Prednisolone, for Crohn’s disease, 50
Prednisone, 23
Prepubertal periodontitis, microorganisms associated, 82
Preschool children, radiograph, 200
Prevacid, 337
Preventive resin restoration (PRR), 306, 307
Primary dentition
  crown fracture injuries, 178
  intrusion injury to, 138–42
  lateral luxation/extrusion injuries, 179
  occlusal evaluation of, 78, 78
  partial pulpotomies and, 96
  radiograph types, 340, 341
  root fracture in, 177
  spacing, 212
Primary herpetic gingivostomatitis
  complications, 61
  comprehensive treatment plan, 60, 61
  diagnostic tools, 60
  differential diagnosis, 60
  extra-oral exam, 59–60, 59f
  facial photograph, 59
  fundamental point, 60–61
  intra-oral exam, 60, 60
  medical consult, 59–60
  patient history, 59, 60
  prognosis and discussion, 60–61
  provisional diagnosis and problem, 60, 61
  self-study questions/answers, 61, 62–63
Primary incisors
  discoloration of, 145
  traumatized, 96–100
Primary teeth
  cavity preparation for, 316, 317
  etching of, 316, 317
  natal and neonatal teeth, 185
  premature emergence of, 71
  pulpectomy in, 108
  pulpotomy in, 102
    background information, 103
  splinting, 145
  vitality testing of, 139
Primer adhesive placement, 311, 312
Prokinetic agents, 187
Prosthetic rehabilitation, 79
Protective stabilization, 243
Prothrombin time, 9, 29
Proton pump inhibitors, gastroesophageal reflux and, 187
Protozoal pathogens, immunological defects and, 36
PT. See Prothrombin time
Psychotropic medications, oral health and, 293
Pulmicort, 263
Pulmonary stenosis, 5
Pulpal amputation, 97, 98
Pulpal bleeding, 114
Pulpal injury, 145
Pulpal necrosis, 139, 145, 156
Pulpal therapy, cancer treatment and, 26
Pulp dressings, desirable characteristics of, 99, 100, 103, 104
Pulpectomy
  contraindications, 107–8
  indications for, 109, 110
  pediatric behavior management, 108–9
Pulp infection, 135
Pulp inflammation, 112
Pulp necrosis, 114, 117
  restoration seal and, 149–50
Pulpotomy. See also Partial pulpotomy
  background information, 118
  Ca (OH)_2, 118
  complications for, 103, 104
  contraindications for, 103, 104
  post-op bite wing radiograph, 103
  in primary teeth, 102
  background information, 103
Pulpotomy with MTA in immature permanent molar
  background information, 117
  complications and alternative treatment plans, 117
  comprehensive treatment plan, 116
  diagnosis and problem list, 116
  diagnostic tools, 115, 116
  differential diagnosis, 116
  facial photograph, 115
  intra-oral exam, 115
  patient history, 115
  prognosis and discussion, 116
  radiographic follow-up, 116, 117
  self-study questions/answers, 118, 119
Pulp revascularization, advantages with, 134, 135
Pulp status
  diagnostic factors, 102
  prognosis and discussion, 102–3
Pulp tissue
  condition, 113, 114
  debridement, 148, 148
  regeneration of, 134
  root-fractured teeth and, 161
  treatment, 116
Pulp vitality tests, 156
Pyogenic granulomas, 67, 68, 73
Radiographic enamel caries, AAPD caries assessment
tool, 325, 326
Radiographic imaging. See also specific procedure for
  radiographic imaging
  guidelines for, 304
  permanent incisor intrusion, 163, 163
  post-op pulpotomy, 103
  preschool children, 200
  sickle cell anemia, 297
Radiographic skeletal survey, 79
Radiotherapy, dental developmental defects and, 27
Red blood cell count, T cell lymphoblastic leukemia
  and, 23
Reglan, 337
Remineralization, 230, 231
Removable appliance, seizures and, 288
Resin adhesive, 310, 310
Resin-based composites, 305
  allergy to, 307
  wear of, 306, 307
Resin-modified glass ionomer (RMGI)
  finishing of, 319, 320, 321
  high-caries risk child and, 311, 312
  placement of, 319
  primer adhesive placement and, 311, 312
  properties of, 320, 321
Resin placement, Class V resin restoration, 324, 324
Resin primer, 310, 310
Resin restoration. See Class II resin restoration; Class IV resin restoration
Resin restoration of incipient decay (primary or permanent molar). See also minimally invasive resin restorations
  complications and alternative treatment plan, 304, 306
  comprehensive treatment plan, 304
  contraindications for, 306, 307
  diagnosis and problem list, 302
  diagnostic tools, 302, 302
  extra-oral exam, 302, 303
  facial photographs, 302
  intra-oral exam, 302
  material selection guidelines, 309
  patient history, 302
  pre-operative intra-oral photos, 302, 302
  pre-operative radiographs, 302, 302
  prognosis and discussion, 304
  radiographic examination guidelines, 309
  self-study questions/answers, 306, 307
  Tooth T, cavity preparation, 305
  Tooth T, post-operative completed restoration, 305
  Tooth T, pre-operative isolation, 305
  treatment, 304
Resin restorations. See Class II resin restoration; Class V resin restoration
Resorbable sutures, 174
Restorative dentistry, 302–41
Restorative material, 305
  class II and Class III restorations, 316
  contraindications for, 316
Restorative material (cont’d)
  selection, 325
  selection guidelines for, 316
Retention grooves, 316, 317
Retention of teeth, 87
Reye’s syndrome, aspirin and, 31, 34
Rheumatic heart disease, infective endocarditis and, 8
RMGI. See Resin-modified glass ionomer
Root canal
  disinfection of, 109, 110, 121, 133
  filling material, 108
  filling pastes, 99
Root canal treatment for primary molar, 106–7
  background information, 108
  complications and alternative treatment plans, 109
  comprehensive treatment plan, 107
  contraindications, 109, 110
  diagnosis and problem list, 107
  diagnostic tools, 106
  facial photograph, 106
  failure of, radiographic signs of, 109, 110
  patient history, 106
  prognosis and discussion, 107–9
  radiographic, 110
  radiographic followup, 107, 107
  self-study questions/answers, 109, 110
Root end closure-apexification with Ca(OH)2
  background information, 122, 123
  clinical and radiographic follow-up, 12, 122
  common complications and alternative treatment plans, 123
  comprehensive treatment plan, 121–22
  diagnosis and problem list, 121
  diagnostic tools, 120–21, 121, 123
  facial photograph, 120
  fundamental point, 121
  intra-oral exam, 120
  patient history, 120
  prognosis and discussion, 122–23
  self-study questions/answers, 124, 125
Root end closure with mineral trioxide aggregate, 126
  background information, 127
  clinical and radiographic follow-up, 128, 128
  common complications and alternative treatment plans, 129
  fundamental point, 128
  prognosis and discussion, 128
  self-study questions/answers, 129, 130
Root fracture, 331, 332
  flowchart, 177
  fundamental point, 159
  healing, 145
  prognosis, 159
  pulpal tissue and, 161
Root fracture in primary dentition, 143–46
  background information, 143
  complications and alternative treatment plan, 145
  diagnosis and problem list, 144
  diagnostic tools, 144
  extra-oral exam, 144
  facial photograph, 143
  fundamental point, 144
  intra-oral exam, 144
  patient history, 143–44
  prognosis and discussion, 145
  self-study questions/answers, 145, 146
  treatment, 144–45, 177
Rubber dam isolation, 324, 324
Ruga-Fede disease, 71–72
Saliva contamination, 309
Sealants
  IPT and, 94
  minimally invasive resin restorations, 305
  preventive resin restoration and, 306, 307
Secondary primary molar
  aggressive pulpectomies, 211
  early loss, 210
Sedation. See also General anesthesia; Local anesthesia/anesthetics
  airway obstruction and, 242
  cerebral palsy, 278
  common complications, 244
  goals of, 240
  in-office, cerebral palsy, 277
  monitors during, 243
  outpatient
    candidate determination, 338
    congenital adrenal hyperplasia, 283, 284
    contraindications, 340, 341
    Down syndrome, 272, 273, 274
    overweight patient and, 306
    pre-sedation history and physical, 244
    types of, 244
Sedative medications
  in-office administration, 244
  pharmacology of, 242
Seizure disorder
  classifications of, 288, 289
  complications and alternative treatment plan, 287, 288
  comprehensive treatment plan, 287
definitions, 286
dental history, 285–86
diagnosis and problem list, 286
diagnostic tools, 286, 287
extra-oral exam, 286, 287
facial photographs, 285
intra-oral exam, 286, 287
medical consult, 285
obtaining history for, 286
patient history, 285
prognosis and discussion, 287–88
self-study questions/answers, 288, 289
Seizures
  emergency management, 288
  history of, questions for, 288, 289
Self-injury, 79
Self-study questions, facial infections, 57
Severe cardiac disease, history taking and, 201, 202
Severe persistent asthma, 264
Shwachman-Diamond syndrome, hematopoietic stem cell transplant for, 37
Sickle cell anemia
  background information on, 296
  complications and alternative treatment plan, 298
  comprehensive treatment plan, 297–98
  diagnosis and problem list, 297
  ethnic predilection for, 298, 299
  extra-oral exam, 295, 296
  facial photograph, 295
  intra-oral exam, 295, 296
  intra-oral photos, 295, 296
  maxillary enlargement and, 298, 299
  medical consult, 295
  medical history for, 295, 296
  oral considerations with, 297
  oral/systemic complications, 297
  patient history, 295
  prognosis and discussion, 298
  radiographic imaging, 297
  self-study questions/answers, 298, 299
  sickle cell trait compared to, 298, 299
Sickle cell trait, sickle cell anemia compared to, 298, 299
6-mercaptopurine azathioprine, for Crohn’s disease, 50
Sodium hypochlorite, partial pulpotomy and use of, 97, 99, 100
Sodium valproate, 73
Soft tissue healing, local factors related to, 175
Soft tissue injury
  complications and alternative treatment, 173–74
degloving injury, 173
diagnosis and problem list, 173
diagnostic tools, 173
extra-oral exam, 173
facial photograph, 172
five month follow-up intra-oral photo, 173
health history for, 172
intra-oral exam, 173
one-week follow-up intra-oral photo, 173
patient history, 172
prognosis and discussion, 173
self-study questions/answers, 174, 175
treatment, 173, 173
Soft tissue lasers, gingival overgrowths, 75
Soft tissues
  eruption cysts and, 69, 69
  primary herpetic gingivostomatitis, 60, 60
  suturing, 174
Soft tissue trauma
  local anesthesia, 247
  management of, 174
  seizure disorder, 287
Space analysis, fundamental points about, 214
Space management: premature loss of primary second molar in preschool child, 208–11
  complications and alternative treatment plan, 210
  comprehensive treatment plan, 209
  diagnosis and problem list, 209
  diagnostic tools, 208, 208–9
  extra-oral exam, 208, 208
  history for, 209
  intra-oral exam, 208
  patient history, 208
  post-operative intra-oral photographs, 209
  prognosis and discussion, 209
  self-study questions/answers, 210, 211
Space redundancy, 214
Squamous-cell carcinomas, 75
SSC. See stainless steel crown
Stainless steel crown (SSC), 113, 313, 314
Stainless steel crown (SSC) restoration
  asthma patient and, 43
  comprehensive treatment plan, 338–39
  dental history, 337
  diagnosis and problem list, 338
  diagnostic tools, 338, 338
  facial photographs, 337
  indications for, 340, 341
  intra-oral exam, 338
  liver transplant patient and, 32
  medical consult, 337
  medical history, 337
Stainless steel crown (SSC) restoration (cont’d)
medically compromised patient, 337
neutropenia patient and, avoiding, 38
patient history, 337
post cementation, 337
pre-operative radiographs, 338
preparation of, 337
prognosis and discussion, 339–40
rubber dam isolation, 337
self-study questions/answers, 340, 341
treatment procedure, 339, 339

Staphylococcus aureus, infective endocarditis and, 8
Streptococcus viridans, infective endocarditis and, 8
Strip crowns
dental caries treatment with
absolute isolation before starting procedure, 334, 335
fitting, 334, 335
isolation of teeth and placement of, 334, 335
preparation for, with tapered diamond bur, 334, 335
diagnosis and problem list, 334
diagnostic tools, 333–34, 334
facial photographs, 333
fundamental points of, 335
gingival margins and, 334, 335
glass ionomer cement liner/base, 335
intra-oral exam, 333, 333
patient history, 333
prognosis and discussion, 335
radiographs
bitewing radiographs, right and left, 334
crown completed, 334, 335
post-operative right and maxillary views, 333
self-study questions/answers, 335, 336
teeth etching, 334, 335
Sugar intake counseling, 193
Sulfasalazine, for Crohn’s disease, 50t
Supplemental oxygen, 255, 261
Supraperiosteal pus, 56
Surgical excision, gingival tissues and, 76, 77
Surgical resection, gingival overgrowths, 75
Suturing, tongue lacerations, 174
Swallow pattern, cerebral palsy, 277
Tacrolimus, 73
Tanaka and Johnston Analysis, 213
Tartrazine, orofacial granulomatosis and, 50, 52
Taurodontism
AI and, 87
amelogenesis imperfecta, 84

T cell lymphoblastic leukemia/chemotherapy, 22–28
chief complaint, 22
common complications and alternative treatment plans, 25
comprehensive treatment plan, 24
post-op home care instructions, 24
prevention plan, 24
dental history, 23
diagnosis, 24
diagnostic tools, 24
differential diagnosis: developmental, infective, odontogenic, and inflammatory, 24
facial photograph, 22
intra-oral exam, 23–24
medical consult, oncology team, 23
medical history, 22
current medications, 22–23
post-op intra-oral photos, 25
pre-op intra-oral photos, 23
pre-op intra-oral radiographs, 23
presenting patient, 22
problem list, 24
prognosis and discussion, 24–25
self-study questions and answers, 27, 28
social history, 22
Teeth etching, strip crowns, 334, 335
Tegretol. See carbamazepine
Tell-show-do technique, 235–36, 236, 325, 326
trisomy 21 and, 273
Temporomandibular joint, mobility, 254
Tetanus immunizations, up to date, confirming, 138, 144, 157
Tetanus prophylaxis, 170, 171
Tetralogy of Fallot, 5, 198, 199
Tisseel Duo 500, 9
Tissues, debridement of, 174
Tongue
lacerations, suturing of, 174
large, 254
ulceration affecting, 72
Tonsils, 254
Tooth avulsion
flowchart, 180
outcomes following, 170
Tooth decay removal, 334, 335
Tooth discoloration, 145, 146
Tooth enamel, amelogenesis imperfecta, 84
Tooth evulsion/replantation, 170
Tooth fracture, aspiration risk, 146
Tooth re-eruption, after trauma, 140, 141
Tooth splint, 164. See also flexible tooth splint
bleeding and, 155
flexible, 170
medico-legal considerations, 145
root fracture and, 331, 332
Tooth structure conservation, importance of, 305
Tranexamic acid, 18
Transitional dentition, radiographic guidelines for, 309
Transplant recipients
anti-rejection medication, 77
pre- and post-transplant dental care for, 75
Transposition of great vessels, 5
Trauma
complications related to, 141
history, 131
complicated crown fracture of permanent tooth, 147
obtaining, 138
permanent dentition, dentoalveolar luxation injury to, 153
lateral occlusal film, 139, 139
prevention, 143
radiographic and clinical exam for, 139, 139
tooth re-eruption after, 140, 141
Traumatic injury, periapical radiographs following, diagnostic errors, 331, 332
Traumatic occlusion, 225
Traumatic pulp exposures, indications for, 97
Traumatic ulcer on tongue, 183
Traumatized primary incisors with pulp exposure, treatment, 97, 99
Tricuspid atresia, 5
Trisomy 21. See Down syndrome
Turbulent blood flow, congenital heart disease and, causes, 5
Turner syndrome, congenital heart disease and, 5
UC. See ulcerative colitis
Ulceration, affecting tongue, 72
Ulcerative colitis (UC), 48
Uncomplicated crown fracture, 328, 328
Urine tests, 81, 82
Ursodeoxycholic acid, 12
Uvula, 254
Valproic acid, seizure disorder, 287
Vascular anomalies, 70
Vascular lesions, biopsies of, complications, 66
Vaso-occlusive sickle cell crises, possible sequelae of, 296, 298, 299
Ventricular septal defect, 5
Versed. See Midazolam
Vincristine, 23
Viral infection, 60
Viral pathogens, immunological defects and, 36t
Visual impairment, low birth weight and, 276
Vitality testing
crown fracture, 148
permanent incisor intrusion, 163
primary teeth, 139
Vital signs, 261
Vitamin-K-dependent blood clotting factors, 31
VSD. See Ventricular septal defect
Warfarin sodium, 5, 9
White blood cell count, 80
White cell disorders, 81, 82
XO chromosome. See Turner syndrome
Zinc oxide eugenol, 92