

Index

Note: Page numbers of article titles are in **boldface** type.

A

Acne, facial, management of, 142

Adolescent(s), alcohol use by, 128
 anorexia and bulimia in, 27–28
 at risk for caries, 36–37
 behavior of, optimum oral health and, 42
 conservative aesthetic solutions for, utilizing composite resins, **87–118**
 dental needs assessment and access to care for, **1–16**
 dental needs of, 51–52
 dental patients, medications prescribed for, **139–149**
 development of, beliefs and, 17
 development of health behaviors by, 18
 ethnicity of, in U.S., 2, 3
 experimentation with high-risk behavior by, 51
 gingivitis in, 52–53
 growth and development of, 120–121
 improved oral home routines for, 39
 living arrangements of, in U.S., 2–3
 living below line of poverty, 9
 number of caries in, 3–4
 numbers of, in U.S., 2
 oral health concerns of, 121
 oral health of, disparities in, causes of, 2
 status of, 3–6
 orthodontics in, 5–6
 periodontal and soft tissue disease prevention strategies for, **51–67**
 periodontal disease in, 4–5
 personality development and, 18
 physical and intraoral changes in, 51
 physiologic changes in, 120
 psychosocial behavioral patterns for, **17–32**
 psychosocial changes in, 120–121
 self-concept of, and relation to oral health, 18–23
 tobacco use and, 23–27, 128

Adolescent athlete(s), disordered eating by, 125

eating disorders in, 125–127
 fluid replacement by, 125
 health professionals' influence on, 133–134
 nutrition for, 124–125
 oral health issues for, **119–137**
 performance-enhancing substances and, 129–131
 sports-related dental injuries in, 121–124
 substance abuse by, 127–131

Adonis complex, 127

Aesthetic solutions, conservative, for adolescent utilizing composite resins, **87–118**

Alcohol use, by adolescents, 128

Aligners, invisible, 75–77

Amenorrhea, in athletes, 127

Amoxicillin, 146

Amphetamines, in attention deficit disorders, 61–62
 side effects of, 62
 use by adolescent athletes, 129–130

Anchorage, implant-assisted orthodontics, 79–81

Anorexia nervosa, 126
 identification of signs and symptoms of, 27–28
 in adolescence, 27–28
 reverse, 127
 treatment of, 28

Antibiotics, 146–147
 oral contraceptives and, 146

Antidiabetes agents, 144–145

Arch length, discrepancies of, expansion, and E-space preservation, 70

Asthma, in adolescents, 143–144
 prescriptions for treating, 143

Attention-deficit/hyperactivity disorder,
140–141

Azithromycin, 147

B

β -Blockers, use by adolescent athletes, 130

Biofilm formation, factors influencing,
57–58

Birth control, prescriptions for, 146

Body art, adolescent athletes and, 131

Brackets, self-ligating, 81–82
traditional, 81

Bulimia, 126

in adolescence, 27–28
signs and symptoms of, 27
treatment of, 28

C

Care facilities, nonresidential, disability
state of children in, 12–13

Caries, adolescents at risk for, 36–37
as significant health problem, 33–34
bacterial process and, 35–36
definition of, 34
development of, 36
diet awareness and, 38–39
dietary factors and, 35
epidemiology of, 34–35
etiology of, 35–36
examination for, 40
fluoridation programs and, 33
fluoride exposure and, 37–38
host factors and, 35
location of, altered patterns of, 33
number of, in children and
adolescents, 3–4
prediction of future, 41
prevention of, in adolescents, five A's
of, 43–45
strategies for, in adolescent,
33–49
risk assessment for, 36–37
socioeconomic status and, 36

Child(ren), living below poverty line, 9
with disabilities, in nonresidential care
facilities, 12–13
with need for orthodontics, 5–6
with special needs, health insurance
and, 13–14

Clarithromycin, 147

Cocaine, use by adolescent athletes, 130

Composite resins, and conservative
aesthetic solutions, for adolescents,
87–118
case reports of, 88–116
and dentin bonding agent, technique
for use of, 94–95, 96, 97, 98
as dentin bonding agents, 89–90
direct, for conservative treatment, 88,
93
discussion of, 91–92, 95–97, 102–103
flowable, 89–90
in fluorosis, examination of, 88–89,
98–99
technique for use of, 99–102, 103, 104
to attach broken tooth fragment, 94

Concussions, mouthguards and, 124

Crowns, stainless steel, 132–133

Cyclosporines, gingival overgrowth
associated with, 62

D

Dental arch, development of, 69–70

Dental care, access to, 28–29
and assessment of dental needs of
adolescents, **1–16**
barriers to, 28–29
cost of, poverty and, 7–8
disparities in, in adolescents, causes of,
2
home, improved routines for, 39
psychologic changes adolescence and,
29
self-assessment models and, 31
use by pregnant women, 6–7, 8

Dental caries. *See Caries.*

Dental examination. *See Examination.*

Dental health behavior, self-concept and,
18–19

Dental health education programs,
school-based, 29–30

Dental injuries, sports-related. *See*
Sports-related dental injuries.

Dental needs, assessment of, and access to
care for adolescents, **1–16**
neglected, in adolescents, 1

Dental practitioner, as educator and
communicator, 53

Dental services, covered by insurance, 9–10
use by adolescents, 6–7

Diabetes mellitus, in adolescents, 144–145
insulin-dependent, gingivitis in, 59

Diet awareness, caries and, 38–39
 Disabilities, children with, in nonresidential care facilities, 12–13
 Diuretics, use by adolescent athletes, 130

E

E-space preservation, expansion, and arch length discrepancies, 70
 Eating, disordered, by adolescent athletes, 125
 Eating disorders, Adonis complex, 127
 anorexia nervosa, 27–28, 126
 bulimia nervosa, 27–28, 126
 female athlete triad, 127
 in adolescent athletes, 125–127
 oral manifestations of, 126
 systemic manifestations of, 125–126
 Ephedrine, use by adolescent athletes, 130
 Erythromycin, 143
 Examination, dental history in, 40
 for caries, 40
 medical history in, 40
 radiographs in, 40–41
 Expansion, E-space preservation, and arch length discrepancies, 70
 Extractions, in orthodontic treatment, 72–73

F

Female athlete triad, 127
 Fiber-optic transillumination, quantitative, 41
 Fluid replacement, for adolescent athlete, 125
 Fluoride, exposure to, caries and, 37–38

G

Gingiva, enlargement of,
 medication-induced, 61–64
 prevention of, 64
 Gingival recession, in adolescents, 59–61
 related to orthodontic treatment, 60
 Gingivitis, chronic, in systemic disease, 58–59
 chronic nonspecific, 57–58
 in adolescents, 52–53
 necrotizing ulcerative, 53–54
 treatment of, 54
 Gingivostomatitis, primary herpetic, 55

H

Headaches, recurring, in adolescents, 141
 Health, factors influencing, 20–21
 Health behaviors, development of, by adolescents, 18
 Health locus of control, 18
 Health promotion, in adolescents, physicians and, 43–44
 Herpes simplex virus infection, 54
 Human immunodeficiency virus infection, gingivitis in, 59

I

Incisor(s), lateral, peg, restoration of, 103–110
 undersized, evaluation and restoration of, 110–112
 Individuals with special needs, health insurance and, 13–14
 insurance and, 13–14
 numbers of, 11–12
 residence and, 14
 Infrared laser fluorescence, 41
 Insurance, dental services covered by, 9–10
 health, children with special needs and, 13–14
 Isotretinoin, side effects of, 142

J

Jewelry, tooth, 132–133, 134

L

Laser/light-induced fluorescence, quantitative, 41
 Learning, stages of, prevention of dental caries and, 45–46
 Leukemia, acute lymphoblastic, gingivitis in, 58–59
 Lip piercing, gingival tissues and, 61

M

Malocclusion, dental, dental care in, 58
 Maxillary molar distalizing appliances, 77–79
 Medicaid, 10–11
 State Children's Health Insurance Program, 11

Medications, hepatic metabolism of, 139
 prescribed for adolescent dental patients, **139–149**
 prescription, off-label use of, 139
 psychopharmacologic, 140–142

Methylphenidate, 140

Mouth breathing, causes of, 58

Mouthguards, 123–124, 134
 concussions and, 124
 custom fabricated, 121–124

Mylar matrix band system, 100, 101

N

Narcotics, use by adolescent athletes, 130–131

Nutrition, for adolescent athletes, 124–125

O

Occlusion, developmental, orthodontic interventions, and orthognathic surgery, for adolescents, **69–86**

Open bite, correction of, 74

Oral care, home, improved routines for, 39

Oral contraceptives, 145–146

Oral health, concerns of adolescents, 121
 disparities in, in adolescents, causes of, 2
 issues in, for adolescent athletes, **119–137**
 self-concept of adolescents in relation to, 18–23
 self-perceived, and importance of sound teeth, 19
 dental attitudes and behavior and, 19
 socioeconomic status and, 20
 status of adolescents, 3–6
 toothbrushing and, 21

Oral health promotion programs, 42–46

Orthodontics, class III, 73–74
 compliance with care in, 21
 factors affecting, 22–23
 current trends in, 75–82
 decision for, factors affecting, 21
 developmental occlusion, and orthognathic surgery, for adolescents, **69–86**
 extractions in, 72–73
 gingival recession related to, 60
 implant-assisted, anchorage in, 79–81

in temporomandibular disorders, 74–75
 incidence of use of, in adolescents, 6
 need for, in children and adolescents, 5–6
 noncompliance with care in, approach of orthodontist and, 23
 serial extractions in, 73
 timing of, 71–72

Orthognathic surgery, orthodontic care, and developmental occlusion, for adolescents, **69–86**
 rigid fixation versus wire fixation, 82
 stability for, 82–83
 timing of, 82

P

Peer pressure, negative and positive, 134

Performance-enhancing substances, adolescent athletes and, 129–131

Pericoronitis, 55–57

Periodontal disease, and soft tissue disease
 prevention strategies, for adolescent, **51–67**
 in adolescents, 4–5, 52
 prevention and treatment of, importance of, 5
 prevention of, pregnancy and, 56–57

Phenytoin, gingival overgrowth associated with, 63–64

Piercings, intraoral and perioral, 60–61
 gingival tissues and, 61

Pit-and-fissure sealants, for adolescents, 42

Plaque, formation of, factors influencing, 57–58

Plaque and calculus, removal of, for adolescents, 42

Polyethylene fiber systems, 112

Pontic “button,” 112, 113, 114–115

Poverty, children and adolescents living below line of, 9
 cost of dental care and, 7–8

Pregnancy, dental care during, 7–8

Propranolol, 141

Psychopharmacologic agents, 140–142

Psychosedatives, 142

Psychosocial behavioral patterns, for adolescents, **17–32**

Public Health Service, health promotion by, 43–45

Pulmonary drugs, adolescents and, 143–144

Q

Quantitative fiber-optic transillumination, 41

Quantitative laser/light-induced fluorescence, 41

R

Radiographs, adjunctive assessments in, 41
in dental examination, 40–41

Resins, flowable, 102

Rigid fixation, versus wire fixation, in orthognathic surgery, 82

S

Self-concept, of adolescents, and relationship to oral health, 18–23

Serotonin reuptake inhibitors, 141

Sexually transmitted diseases, 54

Skin disorders, management of, 142

Smokeless tobacco, use by adolescent athletes, 128
use by adolescents, 24–25

Soft tissue conditions, in adolescence, 52

Soft tissue disease, and periodontal disease prevention strategies, for adolescent, **51–67**

Sports, participation in, by adolescents, 121–124
dental injuries and, 119–120

Sports-related dental injuries, in adolescent athletes, 121–124
prediction of, 122–123
prevalence of, 122
prevention of, 123–124

Steroids, side effects of, 129
use by adolescent athletes, 128–129

Substance abuse, by adolescent athletes, 127–131

Sulfite antioxidant preservatives, 144

T

Temporomandibular disorders, orthodontic treatment in, 74–75

Theophylline, 143

Tobacco use, adolescents and, 23–27, 128
discontinuing of, encouraging of, 54
program to help stop, 43

Tongue piercing, 131–132
gingival tissues and, 61

Tongue splitting, 132

Tooth jewelry, 132–133, 134

Tooth (Teeth), broken fragment, composite resins to attach, 94
permanent, carious, untreated, in adolescents, 4, 5
decayed, missing, and filled, in adolescents, 3, 4
sound, importance of, self-perceived oral health and, 19

Toothbrush, power, 39

Toothbrushing, oral health and, 21
self-esteem and, 19

“Total etch” technique, 101

Triazolam, 147

V

Vasoconstrictors, 141–142

W

Wire fixation, versus rigid fixation, in orthognathic surgery, 82