Index

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

A
Angiography. See Fluorescence angiography.
Antiresorptive therapy
in osteonecrosis of jaw, 15–16
Autoimmune diseases
oral lichen planus, 93–100

B
Biobehavioral therapy
for burning mouth syndrome, 73
Bisphosphonates
osteonecrosis of jaw related to, 11–20
Bone remodeling
in osteonecrosis of jaw, 11–20
Burning mouth syndrome, 67–76
classification, 68
clinical characteristics, 68
definition, 67–68
epidemiology, 68
etiology, 68
management, 70–73
biobehavioral therapy, 73
nonprescription, 70–72
prescription, 72–73
psychological factors, 68–70

C
Cancer. See also Tumors.
head and neck, targeted therapy in, 83–92
verrucous carcinoma, 77–82
Caries, dental
affecting third molar, 3–4
Carnoy solution
for treatment of keratocystic odontogenic tumor, 24–25
Chemoprevention
in proliferative verrucous leukoplakia, 81
Chemotherapy
targeted, in head and neck cancer, 88–91
ermal target of rapamycin, 90
vascular endothelial growth factor, 89–90
Cost effectiveness
of transoral robotic surgery for oropharyngeal tumors, 54–55
Cryotherapy
for treatment of keratocystic odontogenic tumor, 25–26
Cysts
odontogenic, affecting third molar, 4–6

D
da Vinci system
in transoral robotic surgery for oropharyngeal tumors, 51–52
Dental caries
affecting third molar, 3–4

E
Enucleation
of keratocystic odontogenic tumor, 23
with peripheral ostectomy, 24
Epidermal growth factor receptor
in targeted therapy of head and neck cancer, 89
Erosive lichen planus
oral, 94

F
Fine-needle aspiration biopsy
in parotid disease, 35–40
Flaps
fluorescence angiography, in assessment of perfusion and vitality, 61–66
Fluorescence angiography
in assessment of flap perfusion and vitality, 61–66
indocyanine green angiographic imaging system, 62–63
use in microvascular free-tissue transfer, 63–65
use in pedicled flaps, 63
Free-tissue transfer
fluorescence angiography, in assessment of perfusion and vitality, 63–63

G
Glossodynia. See Burning mouth syndrome

H
Head and neck cancer
targeted therapy in, 83–92
Index

Head (continued)
chemotherapy, 88–91
epidermal growth factor receptor, 89
mammalian target of rapamycin, 90
nanotargeted, 90–91
vascular endothelial growth factor, 89–90
historical perspective, 83–84
radiation, 87–88
surgery, 84–87
margin control, 85–86
sentinel node biopsy, 84–85
transoral robotic, 86–87
transoral robotic surgery in, 49–59
Hypoerkeratosis
verrucous, 77–82
Hypopharynx
transoral robotic surgery for tumors of, 49–59
I
Indocyanine green angiographic imaging system, 62–63
Infection
and pericoronitis of third molar, 2–3
J
Jaw
osteonecrosis of, 11–20
clinical presentation and diagnosis, 12–15
future challenges, 17
pathogenesis, 11–12
research efforts, 17
treatment and prevention, 15–16
K
Keratocystic odontogenic tumor, 21–30
author’s current technique, 27–28
cause, 21–22
clinical features, 22–23
diagnosis, 23
treatment, 23–27
enucleation with peripheral ostectomy, 24
marsupialization, 23–24
of maxillary tumors, 27
physicochemical treatment, 24–26
L
Laser ablation
for proliferative verrucous leukoplakia and verrucous carcinoma, 80–81
Leukoplakia, proliferative verrucous. See Verrucous hyperkeratosis.
Lichen planus
oral, 93–100
cause, 95
classification, 93–94
clinical features, 94–95
bullous form, 95
erosive, 94–95
erythematosus atrophic, 95
reticular, 94
histology, 95–96
treatment and prognosis, 96–98
M
Mammalian target of rapamycin
in targeted therapy of head and neck cancer, 90
Mandibular tumors
keratocystic odontogenic tumor, 21–30
Marsupialization
of keratocystic odontogenic tumor, 23–24
Maxillary tumors
keratocystic odontogenic tumor, 27
Molars. See Third molar.
Mucocutaneous diseases
oral lichen planus, 93–100
N
Nanotargeted therapy
for head and neck cancer, 90–91
Neck cancer. See Head and neck cancer.
Neck dissection
concurrent with transoral robotic surgery for oropharyngeal tumors, 53–54
role in parotid disease, 45–46
O
Odontogenic cysts
affecting third molar, 4–6
Odontogenic keratocyst. See Keratocystic odontogenic tumor.
Oral lichen planus. See Lichen planus.
Oropharynx
transoral robotic surgery for tumors of, 49–59
Oropyrrosis. See Burning mouth syndrome
Osteonecrosis
of jaw, 11–20
clinical presentation and diagnosis, 12–15
future challenges, 17
pathogenesis, 11–12
research efforts, 17
treatment and prevention, 15–16
P
Parotid disease
diagnosis and management of, 31–48
initial evaluation and general concepts, 32–35
techniques for, 35–46
extracapsular dissection, 44–45
fine-needle aspiration biopsy, 35–40
incisional parotid biopsy, 45
partial superficial parotidectomy, 43–44
role of neck dissection in, 45–46
superficial parotidectomy, 40–43

Parotidectomy
superficial, for parotid disease, 40–43
partial, 43–44

Pathologic conditions
current concepts in management of, 1–100
associated with third molar, 1–10
burning mouth syndrome, 67–76
fluorescence angiography in reconstructive surgery, 61–66
keratocystic odontogenic tumor, 21–30
oral lichen planus, 93–100
osteonecrosis of jaw, 11–20
parotid disease, 31–48
targeted therapy in head and neck cancer, 83–92
transoral robotic surgery for oropharyngeal cancers, 49–59
 verrucous hyperkeratosis and verrucous carcinoma, 77–82

Pedicled flaps
fluorescence angiography in assessment of perfusion and vitality, 63

Pericoronitis
and infection of third molar, 2–3

Periodontal disease
affecting third molar, 3

Photodynamic therapy
for proliferative verrucous leukoplakia, 79–80

Proliferative verrucous leukoplakia
current management strategies for, 77–82
clinical presentation, 78
diagnosis and histopathology, 78–79
etiology, 78
treatment, 79–81
chemoprevention, 81
laser ablation, 80–81
photodynamic therapy, 79–80
radiation therapy, 80
surgery, 80

Psychological factors
in burning mouth syndrome, 68–70

Q

Quality of life
with transoral robotic surgery for oropharyngeal tumors, 54

Radiation therapy
for proliferative verrucous leukoplakia and verrucous carcinoma, 80
targeted, in head and neck cancer, 87–88

Reconstructive surgery
fluorescence angiography in assessment of flap perfusion and vitality, 61–66
indocyanine green angiographic imaging system, 62–63
use in microvascular free-tissue transfer, 63–65
use in pedicled flaps, 63

Residents
training in transoral robotic surgery for oropharyngeal tumors, 56–57

Reticular lichen planus
oral, 94

Robotic surgery
transoral, for oropharyngeal tumors, 49–59, 86–87
concurrent neck dissection with, 53–54
cost effectiveness of, 54–55
da Vinci system, 51–52
future applications and telesurgery, 57
history of, 50–51
indications for head and neck cancer, 52–53
minimally invasive surgery, 50
quality of life with, 54
risks and limitations of, 55–56
training residents, 56–57
training surgeons and program implementation, 56

S

Stomatodynia. See Burning mouth syndrome

Surgeons
training in transoral robotic surgery for oropharyngeal tumors, 56

Surgery
fluorescence angiography in assessment of flap perfusion and vitality, 61–66
for keratocystic odontogenic tumor, 23–24
for osteonecrosis of the jaw, 15–16
for parotid disease, 35–36
for proliferative verrucous leukoplakia and verrucous carcinoma, 80
targeted, in head and neck cancer, 84–87
transoral robotic, for oropharyngeal tumors, 49–59, 86–87
versus third molar retention, 6–7

T

Targeted therapy
in head and neck cancer, 83–92
chemotherapy, 88–91
epidermal growth factor receptor, 89
mammalian target of rapamycin, 90
nanotargeted, 90–91
vascular endothelial growth factor, 89–90
Index

Targeted (continued)
historical perspective, 83–84
radiation, 87–88
surgery, 84–87
margin control, 85–86
sentinel node biopsy, 84–85
transoral robotic, 86–87
Teeth. See Third molar.
Telesurgery
in transoral robotic surgery for oropharyngeal tumors, 57
Third molar
pathology associated with, 1–10
hard tissue conditions, 3–6
dental caries, 3–4
odontogenic cysts and tumors, 4–6
soft tissue conditions, 2–3
pericoronitis and infection, 2–3
periodontal disease, 3
Tongue base
transoral robotic surgery for tumors of, 49–59
Training
in transoral robotic surgery for oropharyngeal tumors, 56–57
Transoral robotic surgery (TORS)
for oropharyngeal tumors, 49–59, 86–87
concurrent neck dissection with, 53–54
cost effectiveness of, 54–55
da Vinci system, 51–52
future applications and telesurgery, 57
history of, 50–51
indications for head and neck cancer, 52–53
minimally invasive surgery, 50
quality of life with, 54
risks and limitations of, 55–56
training residents, 56–57
training surgeons and program implementation, 56
Tumors
affecting third molar, 4–6
keratocystic odontogenic tumor, 21–30
transoral robotic surgery for oropharyngeal, 49–59
Vascular endothelial growth factor
in targeted therapy of head and neck cancer, 89–90
Verrucous carcinoma
current management strategies for, 77–82
current management strategies for verrucous hyperkeratosis and, 77–82
clinical presentation, 78
diagnosis and histopathology, 78–79
etiology, 78
treatment, 79–81
chemoprevention, 81
laser ablation, 80–81
photodynamic therapy, 79–80
radiation therapy, 80
surgery, 80
Verrucous hyperkeratosis. See Verrucous carcinoma.

W
Wisdom tooth. See Third molar.