Index

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

**A**

AAHA Dental Care Guidelines for Dogs and Cats, 453–463
  abstract, 454
  client education and follow-up, 462–463
  dental procedures, 460–462
  facility requirements, 454
  introduction, 454
  materials, instruments, and equipment, 454–455
  nutrition, 463
  operator protection, 455–456
  patient assessment, 457–458
  planning dental cleaning and patient evaluation, 459–460
  postoperative management, 462
  recommendations and client education, 458–459

Age
  as factor in radiography of canine teeth, 516–517

α2-Agonist(s)
  in oral surgery pain management
    in small animals, 678–679

American Animal Hospital Association (AAHA) Dental Care Guidelines for Dogs and Cats. See AAHA Dental Care Guidelines for Dogs and Cats

Analgesia/analgesics
  for oral surgery in small animals, 673–679
    α2 agonists, 678–679
    buprenorphine sustained release, 677
    central sensitization, 674
    fentanyl transdermal patches, 676
    intraoperative considerations, 675
    long-acting fentanyl transdermal solution, 675
    multimodal, 674
    NMDA receptor antagonists, 678
    nociception, 673–674
    NSAIDs, 678
    opioids, 677–678
    postoperative considerations, 675
    preemptive, 674
    preoperative considerations, 674–675
    reuptake inhibitors, 679

Anamnesis
  in therapeutic decision making and planning in veterinary dentistry and oral surgery, 472–473
Anesthesia/anesthetics
  for oral surgery in small animals, 591, 669–688
    induction of, 671
    introduction, 669
    maintenance of, 672–673
    monitoring of, 672
    patient assessment prior to, 670
    patient preparation for, 670
    premedication, 670–671
    recovery from, 673
    regional nerve blocks, 679–685. See also Regional nerve blocks, for oral surgery in dogs and cats
Angled forceps
  for oral surgery in small animals, 596

B
Barrier membranes
  for oral surgery in small animals, 605–606
Bisecting angle technique
  in canine dental radiography, 509–510
Bone plates and screws
  for oral surgery in small animals, 601–602
Bone replacement materials
  for oral surgery in small animals, 605
Buprenorphine sustained release
  for oral surgery in small animals, 677
Bur(s)
  for oral surgery in small animals, 592

C
Carbon dioxide laser
  in veterinary dentistry, 652–653
Caries
  canine, 523–524
Cat(s)
  AAHA Dental Health Guidelines for, 453–463. See also AAHA Dental Care Guidelines for Dogs and Cats
  chronic gingivostomatitis in, 558–561
  dental radiography for, 533–554. See also Dental radiography, feline
  full mouth extractions in, 583–584
  maxillofacial surgery in, 609–649. See also specific indications, e.g., Jaw fracture(s)
  oral surgery in, 609–649. See also specific indications, e.g., Jaw fracture(s)
  regional nerve blocks for, 679–685. See also Regional nerve blocks, for oral surgery in dogs and cats
Chisel(s)
  for oral surgery in small animals, 600
Computed tomography (CT)
  in small animals
    equipment for, 590
Contact mucositis
  in small animals, 561–562
Convergent roots
  canine, 529–531
Cotton-tipped applicators
  for oral surgery in small animals, 599
Crown impressions
  troughing for
    lasers in, 664–666
Curette(s)
  surgical
    for oral surgery in small animals, 599
Cutaneous diseases
  oral inflammation in small animals due to, 562–564
Cyst(s)
  dentigerous
    canine, 531
  odontogenic
    in dogs and cats
      management of, 636

D

Deciduous tooth
  persistent
    canine, 528
Dental cleaning
  in small animals
    equipment for, 592
Dental luxators
  for oral surgery in small animals, 591
Dental radiography
  canine, 507–532
    developmental anomalies in, 526–531
      convergent roots, 529–531
      dentigerous cyst, 531
      dentin dysplasia, 528
      dilacerated roots, 528
      gemini tooth, 527
      impacted teeth, 531
      persistent deciduous tooth, 528
      radicular groove, 527
      supernumerary root, 527
      supernumerary tooth, 526–527
    indications for, 507–508
    introduction, 507
    normal anatomy, 511–517. See also Dog(s), teeth of, normal anatomy
    orientation, 510
    pathology in, 517–526
      caries, 523–524
      combined periodontal-endodontic disease, 520–522
Dental (continued)
endodontic disease, 520
neoplasia, 524–526
periodontal disease, 517–519
tooth resorption, 522–523
patient positioning for, 509–510
terminology associated with, 508–509
tooth identification in, 508–509
feline, 533–554
introduction, 533–534
normal anatomy, 534–537
pathology in, 538–553
endodontic disease, 545–548
neoplasia, 548–550
orthopedic injury, 550–553
periodontal disease, 542–545
tooth resorption, 538–541
for small animals, 495–504
digital image handling and manipulation, 503–504
equipment for, 589
errors and artifacts, 502–503
image sharing and compression, 504
patient preparation and positioning for, 495
procedures, 495–496
of specific areas of oral cavity, 500–502
techniques and positioning, 496–500

Dental service
North American small animal
standard of care in, 447–469

Dental x-ray generators, 490–492

Dentigerous cyst
canine, 531

Dentin dysplasia
canine, 528

Diagnostic imaging techniques
for small animals, 495–504
dental radiography, 495–504, 507–554. See also Dental radiography
equipment for, 589–590

Diathermy
for oral surgery in small animals, 603

Dilacerated roots
canine, 528

Diode laser
in veterinary dentistry, 653

Disinfection
in oral surgery in small animals, 607

Dog(s)
AAHA Dental Health Guidelines for, 453–463. See also AAHA Dental Care Guidelines
for Dogs and Cats
dental radiography for, 507–532. See also Dental radiography
maxillofacial surgery in, 609–649. See also specific indications, e.g., Jaw fracture(s)
oral surgery in, 609–649. See also specific indications, e.g., Jaw fracture(s)
regional nerve blocks for, 679–685. See also Regional nerve blocks, for oral
surgery in dogs and cats
teeth of
normal anatomy, 511–517
mandibular teeth, 515–516
maxillary teeth, 512–514
radiographic anatomy of tooth, 511–512
radiographic changes with age, 516–517
Drain(s)
for oral surgery in small animals, 604
Drape(s)
for oral surgery in small animals, 592

E
Electrosurgery
oral
in small animals, 603–604
Elevator(s)
for oral surgery in small animals, 591
periosteal
for oral surgery in small animals, 598
Endodontic disease
canine, 520
feline, 545–548
Endodontic files
in dislodging partially mobile root tips, 583
Eosinophilic granuloma complex
oral inflammation in small animals due to, 562–563
Epidermolysis bullosa acquisita
oral inflammation in small animals due to, 564
Erythema multiforme
oral inflammation in small animals due to, 563–564
Exodontics, 573–585
general principles, 574–579
introduction, 573
simple flap design in, 579
surgical extractions, 579–584
endodontic files to dislodge partially mobile root tips, 583
feline full mouth extractions, 583–584
peritome for extraction of deciduous canines, 583
release for maxillary canine and maxillary fourth premolar extraction, 582–583
Extraction forceps
for oral surgery in small animals, 591

F
Feeding tubes
for oral surgery in small animals, 607
Feline chronic gingivostomatitis, 558–561
Feline full mouth extractions, 583–584
Feline oropharyngeal inflammation therapy lasers in, 661–662
Fentanyl transdermal patches for oral surgery in small animals, 676
Fentanyl transdermal solution long-acting for oral surgery in small animals, 675
Flap surgery lasers in, 660
Forceps for oral surgery in small animals angled forceps, 596 extraction forceps, 591 hemostatic forceps, 596 pocket-marking forceps, 599 thumb forceps, 594, 596 tissue forceps, 596
Frenectomy lasers in, 666

G
Gemini tooth canine, 527
General Practice Standard of Care in Dentistry, 2013, 451–452
Gingival hyperplasia lasers in, 659–660
Gingivectomy lasers in, 659
Gingivectomy knives for oral surgery in small animals, 599
Gingivoplasty lasers in, 658
Gingivostomatitis feline chronic, 558–561
Gum chewer lesions surgery for lasers in, 661

H
Handpiece(s) for oral surgery in small animals, 592
Hemostatic agents topical for oral surgery in small animals, 606
Hemostatic forceps for oral surgery in small animals, 596
Home oral care after oral surgery in small animals, 607
I

Idiopathic inflammatory conditions
  oral inflammation in small animals due to, 558–562
    contact mucositis, 561–562
    feline chronic gingivostomatitis, 558–561
    plaque-reactive stomatitis, 561–562

Imaging equipment and techniques
  for small animals, 489–506
    advanced 3-D imaging, 495
    dental x-ray generators, 490–492
    diagnostic imaging techniques, 495–504, 507–554. See also Dental radiography
    intraoral receptors, 493–495
    introduction, 489–490

Impacted teeth
  canine, 531

Infectious conditions
  oral inflammation in small animals due to, 557–558

Inflammation
  oral
    in small animals, 555–571. See also Oral inflammation, in small animals

Intraoral receptors, 493–495

J

Jaw fracture(s)
  in dogs and cats
    described, 609–611
    management of, 609–617
      noninvasive to minimally invasive, 611–612
      open/surgical, 612–615
      salvage problems in, 616–617

L

Laser(s)
  in veterinary dentistry, 604, 651–668
    carbon dioxide laser, 652–653
    diode laser, 653
    introduction, 651–652
    low-level laser therapy, 654
    postoperative therapy with, 655
    procedures, 657–666
      feline oropharyngeal inflammation therapy, 661–662
      flap surgery, 660
      frenectomy, 666
      gingival hyperplasia, 659–660
      gingivectomy, 659
      gingivoplasty, 658
      gum chewers lesions management, 661
      operculectomy, 660
      oral biopsy, 662–663
      oral mass surgery, 663–664

Index
Laser(s) (continued)
  periodontal pocket surgery, 657–658
  tongue lesion surgery, 660–661
  troughing for crown impressions, 664–666
  safety of, 655–656
Lesion(s). See specific types, e.g., Odontogenic cyst
Lip(s)
  neoplasia of
    in dogs and cats
      management of, 641–645
Lip avulsions
  in dogs and cats
    management of, 641–645
Lip fold pyoderma
  in dogs and cats
    management of, 641–645
Long-acting fentanyl transdermal solution
  for oral surgery in small animals, 675
M
Mallet(s)
  for oral surgery in small animals, 600
Mandibular teeth
canine
  normal anatomy, 515–516
Mass(es)
  oral
    in dogs and cats
      management of, 631–636
Maxillary canine(s)
  normal anatomy, 512–514
  surgical release for, 582–583
Maxillary fourth premolar extraction, 582–583
Maxillofacial surgery
  in dogs and cats, 609–649. See also specific indications, e.g., Jaw fracture(s)
Mayo bowl and bulb syringe
  for oral surgery in small animals, 600
Microsurgery
  oral
    in small animals, 606
Mucosal diseases
  oral inflammation in small animals due to, 562–564
Mucositis
  contact
    in small animals, 561–562
Mucous membrane pemphigoid
  oral inflammation in small animals due to, 564
N
Needle holders
  for oral surgery in small animals, 596
Neoplasia
   of canine oral cavity, 524–526
   of feline oral cavity, 548–550
   of lip
      in dogs and cats
         management of, 641–645
Neoplastic lesions
   oral inflammation in small animals due to, 566
NMDA receptor antagonists
   in oral surgery pain management in small animals, 678
Noncrushing tissue forceps
   for oral surgery in small animals, 596
Nonsteroidal anti-inflammatory drugs (NSAIDs)
   in oral surgery pain management in small animals, 678
North American small animal dental service
   standard of care in, 447–469
NSAIDs. See Nonsteroidal anti-inflammatory drugs (NSAIDs)
Nutrition
   AAHA Dental Care Guidelines for Dogs and Cats on, 463

O

Odontogenic cyst
   in dogs and cats
      management of, 636
Operculectomy
   lasers in, 660
Opioid(s)
   in oral surgery pain management in small animals, 677–678
Oral and dental imaging equipment and techniques
   for small animals, 489–506. See also specific types and Imaging equipment and techniques, for small animals
Oral biopsy
   equipment for, 591, 662–663
   lasers, 662–663
Oral inflammation
   in small animals, 555–571
      described, 556–557
      idiopathic inflammatory conditions and, 558–562. See also Idiopathic inflammatory conditions, oral inflammation in small animals due to
      infectious conditions and, 557–558
      introduction, 555–556
      mucosal and cutaneous diseases and, 562–564
      neoplastic lesions and, 566
      reactive lesions and, 565
Oral lesions
   in dogs and cats
      management of, 636–645
      lip avulsions, 641–645
      lip fold pyoderma, 641–645
      lip neoplasia, 641–645
Oral (continued)

odontogenic cysts, 636
osteonecrosis, 637–640
tongue lesions, 640–641

Oral masses
in dogs and cats
management of, 631–636
surgery for
lasers in
in veterinary dentistry, 663–664

Oral surgery
in dogs and cats, 609–649. See also specific indications, e.g., Jaw fracture(s)
in small animals
equipment for, 587–608

anesthesia (local and regional), 591
angled forceps, 596
barrier membranes, 605–606
biopsy-related, 591
bone plates and screws, 601–602
bone replacement materials, 605
chisel, 600
cotton-tipped applicators, 599
dental luxators, 591
diagnostic imaging–related, 589–590
diathermy, 603
drains, 604
drapes, 592
electrosurgical, 603–604
elevators, 591
extraction forceps, 591
feeding tubes, 607
gingivectomy knives, 599
handpieces, attachments, and burs, 592
hemostatic forceps, 596
introduction, 587
lasers, 604
mallet, 600
Mayo bowl and bulb syringe, 600
microsurgical, 606
needle holders, 596
noncrushing tissue forceps, 596
oral examination–related, 588–589
orthopedic pins, 601
orthopedic wire, 600–601
osteotome, 600
periosteal elevators, 598
pocket-marking forceps, 599
power saws, 600
powered systems, 592
professional dental cleaning–related, 592
radiosurgical, 603–604
resin materials, 602
retractors, 597–598
rinsing solutions and culture medium, 604
rongeurs, 598–599
scalpel handle and blades, 594
scissors, 594
suction, 604
surgical courettes, 599
surgical loupe and headlamp, 587
surgical marker pen and plastic ruler, 602
surgical pack, 592–594
suture material, 600
swabs, 599
tape, 602–603
thumb forceps, 594, 596
tissue forceps, 596
topical hemostatic agents, 606
towel clamps, 596
wire twister and cutter, 601
wooden dowel, 602
home care after, 607
sanitation, disinfection, and sterilization related to, 607
Oropharyngeal inflammation
    feline
        lasers in, 661–662
Orthopedic injury
    of feline oral cavity, 550–553
Orthopedic pins
    for oral surgery in small animals, 601
Orthopedic wire
    for oral surgery in small animals, 600–601
Osteoma
    of feline oral cavity, 549–550
Osteonecrosis
    in dogs and cats
        management of, 637–640
Osteotome
    for oral surgery in small animals, 600

P
Pain
    oral surgery in small animals and
        management of, 669–688. See also Analgesia/analgesics, for oral surgery in small animals; Anesthesia/anesthetics, for oral surgery in small animals
Palatal/oronasal defects
    in dogs and cats
        described, 617–620
        management of, 617–631
            acquired defects, 624–631
            congenital defects of palate, 620–623
Palate
  congenital defects of
    in dogs and cats
      management of, 620–623
Parallel technique
  in canine dental radiography, 509
Pemphigus foliaceous
  oral inflammation in small animals due to, 564
Pemphigus vulgaris
  oral inflammation in small animals due to, 564
Periodontal disease
  canine, 517–519
  feline, 542–545
Periodontal-endodontic disease
  canine, 520–522
Periodontal pocket surgery
  lasers in
    in veterinary dentistry, 657–658
Periosteal elevators
  for oral surgery in small animals, 598
Peritome
  for extraction of deciduous canines, 583
Persistent deciduous tooth
  canine, 528
Physical examination
  in therapeutic decision making and planning in veterinary dentistry and oral surgery,
    473–479
Plaque-reactive stomatitis
  in small animals, 561–562
Pocket-marking forceps
  for oral surgery in small animals, 599
Power saw(s)
  for oral surgery in small animals, 600
Powered systems
  for oral surgery in small animals, 592

R
Radicular groove
  canine, 527
Radiography
  dental. See Dental radiography
Radiosurgery
  in veterinary dentistry, 603–604, 651–668
    described, 656–657
    introduction, 651–652
    techniques, 657
Reactive lesions
  oral inflammation in small animals due to, 565
Regional nerve blocks
  for oral surgery in dogs and cats, 679–685
agents in, 680–681
caudal mandibular, 684–685
ciaudal maxillary, 682
instrumentation in, 680
introduction, 679–680
rostral mandibular, 683–684
rostral maxillary, 681
Resin materials
   for oral surgery in small animals, 602
Retractor(s)
   for oral surgery in small animals, 597–598
Reuptake inhibitors
   in oral surgery pain management
      in small animals, 679
Rinsing solutions and culture medium
   for oral surgery in small animals, 604
Rongeur(s)
   for oral surgery in small animals, 598–599
Root(s)
   convergent
      canine, 529–531
dilacerated
      canine, 528

S
Sanitation
   in oral surgery in small animals, 607
Scalpel handle and blades
   for oral surgery in small animals, 594
Scissors
   for oral surgery in small animals, 594
Specialty Practice Dental Standard of Care, 2013, 450–451
Squamous cell carcinoma
   of feline oral cavity, 548–549
Sterilization
   in oral surgery in small animals, 607
Stomatitis
   plaque-reactive
      in small animals, 561–562
Suction
   for oral surgery in small animals, 604
Supernumerary root
   canine, 527
Supernumerary tooth
   canine, 526–527
Surgical curettes
   for oral surgery in small animals, 599
Surgical loupe and headlamp
   for oral surgery in small animals, 587
Surgical marker pen and plastic ruler
   for oral surgery in small animals, 602
Surgical pack
  for oral surgery in small animals, 592–594
Suture material
  for oral surgery in small animals, 600
Swab(s)
  for oral surgery in small animals, 599
Systemic lupus erythematosus
  oral inflammation in small animals due to, 564

T
Tape
  for oral surgery in small animals, 602–603
Teeth. See also specific types, e.g., Mandibular teeth
  impacted
  canine, 531
Therapeutic decision making and planning
  in veterinary dentistry and oral surgery, 471–487
    anamnesis in, 472–473
    case examples, 479–485
    introduction, 471–472
    physical examination in, 473–479
    planning in, 485–487
    recording data in, 479
3-dimensional imaging
  advanced, 495
Thumb forceps
  for oral surgery in small animals, 594, 596
Tissue forceps
  for oral surgery in small animals, 596
Tongue lesions
  in dogs and cats
    management of, 640–641
    lasers in, 660–661
Tooth resorption
  canine, 522–523
  feline, 538–541
Topical hemostatic agents
  for oral surgery in small animals, 606
Towel clamps
  for oral surgery in small animals, 596

V
Veterinary dental advancement
  history of, 448–452
    general considerations in, 448–450
    General Practice Standard of Care in Dentistry, 2013, 451–452
    Specialty Practice Dental Standard of Care, 2013, 450–451
Veterinary dentistry and oral surgery
  therapeutic decision making and planning in, 471–487. See also Therapeutic decision
  making and planning, in veterinary dentistry and oral surgery
W

Wire twister and cutter
  for oral surgery in small animals, 601
Wooden dowel
  for oral surgery in small animals, 602

X

X-ray generators, 490–492