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A Message from the Publisher

Stedman’s, first produced as Dunglison’s New Dictionary of Medical Science and Literature in 1833, has a long-standing tradition of excellence. With this new edition of *Stedman’s Medical Dictionary for the Dental Professions*, we strove to continue this reputation of excellence, providing our readers with our most comprehensive dictionary devoted to the dental professions, delivered in print and now online as well.

Featuring more than 16,000 entries and 600 illustrations, *Stedman’s Medical Dictionary for the Dental Professions, 2nd Edition*, provides students, educators, and practitioners access to the core language for the dental professions, including dentists, dental hygienists, dental assistants, dental lab technicians, and dental office employees.

Features of Stedman’s Dental Dictionary

Accuracy, timeliness and comprehensive content are the hallmarks of any Stedman’s Dictionary and every dictionary produced undergoes a rigorous content review. With this new edition, every term and definition was reviewed by leading experts in the dental professions. Each entry was reviewed for accuracy, currency, and application to the dental professions.

- **Art Program** Each of the more than 600 images in this edition were reviewed by our content experts to ensure the images were of the highest quality to increase the reader’s understanding of illustrated terms. You also will notice a color insert that includes images covering common oral diseases.

- **Pronunciations** A written pronunciation has been provided for nearly every entry in the dictionary to aid in the reader’s understanding of the terminology. A pronunciation key is provided on the “How to Use This Dictionary” page on the inside cover of the dictionary.

- **Cross-References in Blue** Some entries do not have definitions; they are synonyms that point the reader to the preferred main term where the definition appears. All such synonyms are printed in blue, signaling readers to look up the preferred term to find the definition.

- **Building Blocks** Greek and Latin word parts account for about 90 percent of medical language, so identifying and learning these word parts is an integral part of understanding medical language. A recycle symbol icon (♻️) is used to identify these prefixes, suffixes, and combining forms in the margins of the A-Z section.

- **Terminologia Anatomica** All the Gross Anatomy terms in this edition reflect the most recent anatomical nomenclature (*Terminologia Anatomica*) approved by the Federative Committee on Anatomical Terminology. All the Latin anatomical terms and their English translations are identified with a [TA] within the text of the dictionary.

- **Etymologies** The origins of word parts are included in angle brackets for select terms to aid in the reader’s learning and understanding of dental terminology.

- **Appendices** Twenty-four quick-reference appendices have been added as a resource for readers, including Common Medical/Dental Abbreviations and Acronyms, Classifications of Periodontal Diseases and Conditions, Dental and Periodontal Charting, Guidelines for Infection Control in Dental Health Care Settings, and Dental Imaging Errors.
• **Free bonus online subscription!** Included with your dictionary, you will find an access code that provides a free subscription to the Dental Dictionary content on stedmansonline.com. This subscription includes all the content from the dictionary in an easy-to-navigate online interface. In addition, you will find audio pronunciation, so that readers can not only read the written pronunciation, they can hear words pronounced. Terms also are supported by illustrations, animations, and videos. Users also can customize online content by creating notes about specific terms, adding terms, and saving search results and images in MyStedman’s.

**Acknowledgments**
We at Lippincott Williams & Wilkins are grateful to our consultants from the dental professions for their help in reviewing, writing, and revising the thousands of entries in this dictionary. Without them, none of the terminology presented here would be relevant or useful. We are also indebted to the many reviewers who assisted us in making critical decisions about the presentation of the dictionary, the dictionary entries themselves, and the content presented in this new edition.

As with other Stedman’s dictionaries, the development of this new edition, *Stedman’s Medical Dictionary for the Dental Professions*, has greatly benefited from the experience and expertise of Ray Lukens, Chief Copyeditor, whose patience, dedication, and hard work have given this edition an unparallel level of quality. We continue to thank him for supporting our efforts to produce the most accurate, comprehensive, and timely resource for you.

**Your Medical Word Resource Publisher**
We strive to provide our readers, including students, educators, and practitioners, with the most up-to-date and accurate medical language references. We, as always, welcome any suggestions you may have for improvements, changes, corrections, and additions—whatever makes it possible for this Stedman’s product to serve you better.

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Eric Branger  
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*Stedman’s Dental Dictionary, Illustrated, 2nd Edition*  
Lippincott Williams & Wilkins  
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Illustrations Index

The Illustrations Index provides a quick way to find any image in Stedman’s Dental Dictionary. The page number accompanying each term listed below tells you where an illustration of that term is found. A page number preceded by the letter A indicates the image can be found in the color insert, a 16-page section dedicated to oral conditions and disorders. When you look up a word in the A to Z section, you can tell if it is illustrated—either at the word itself or in the insert or appendices—if it is accompanied by this symbol:  

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Courtesy of Cavallucci D, CDA, EFDA, RDH. Harcum College, Bryn Mawr, PA (dental film techniques: occlusal, bitewing, periapical).


From Gladwin M, Bagby M. *Clinical Aspects of Dental Materials: Theory, Practice, and Cases*. 2nd ed. Baltimore, MD: Lippincott Williams & Wilkins; 2004 (acid etching process, acrylic teeth, amalgam overhang, anterior vertical bitewing radiograph showing brackets, wires, and stainless-steel ligatures,
articulator, beading or periphery wax, bonded abrasion instruments, buccal tube, caries: restoration, cement: mixing process for zinc-phosphate type, condensing and carving procedures, defects due to poor carving, dental casting equipment, dental cement in pulpal protection, dental dam clamps, dental instruments for manual cutting procedures, dental waxes, fabrication of dental cast by pouring dental stone into impression, face masks, figure 8 mixing technique, forms of amalgam alloy, gel etchant, Gillmore needles, glass ionomer cement, gloves, impression taken using triple tray, impression trays, inlays and amalgams, layers in construction of ceramomental crown, light-cure dental resin kit, loading maxillary tray with alginate impression materials, microleakage and effects of alteration of temperature, mixture and placement of periodontal dressings, mouth guard, office-applied vital tooth whitening, orthodontic appliance, orthodontic fixed lingual retainer, protective eyewear, root canal therapy: radiographs, wheel brush used in polishing).


oedema, angioedema: latex allergy, ankyloglossia, ankylosis, aphthae, aphthous ulcer, apical periodontitis, attached gingiva, attrition along incisal surfaces, bifid uvula, buccal bifurcation cyst, buccal mucosa and calculus angularis, buccal space infection, bulla, calculus, calculus bridge, canalicular adenoma, cleft lip and cleft palate, cleidocranial dysostosis, concrescence, cystic hygroma, dehiscences and fenestrations, dens invaginatus, dental lamina cysts and Epstein pearl, dentigerous cyst, dentin dysplasia, dermoid cyst, dilaceration of third molar, discoid lupus erythematosus, distal drift of mandibular premolars and canine, ecchymosis, ectopic eruption, enamel formation in teeth, enamel hypoplasia, enameлома, epidermal cyst, erosion: due to chronic induced vomiting, erosion: due to lemon sucking, erosion: lichen planus, erythroplakia, Ewing tumor, extrinsic staining, filiform and fungiform papillae of tongue, fimbriated fold, fissured tongue, fluctuant and pointing periodontal abscess, focal argyrosis, focal epithelial hyperplasia, focal eruption gingivitis, foliate papilla, Fordyce spots, frictional keratosis, gernination, twinning, fusion, and concrescence, generalized bone loss, geographic tongue, gingival abscess, gingival edema due to hypothyroidism, gingival fibromatosis, gingival recession due to frenal pull, gold crown, hard palate, healthy periodontium, hemangioma, hematomat, hereditary hemorrhagic telangiectasia, hormonal gingivitis, hypercementosis, hyperdontia, hyperplastic pulpitis, hypodontia, inflammatory fibrous hyperplasia, intrinsic staining: fluorosis, intrinsic staining: nonvital right central incisor, irritation fibroma, labial lymphangioma, labial mucosa, lateral periodontal cyst, lead line, leukoedema: buccal mucosa, leukoplakia, linea alba buccalis, lingual tonsil, lipoma, Ludwig angina, macrodontia, mandibular first, second, and third molars (radiograph), mandibular molar area (radiograph), mandibular molars and premolars (periapical radiograph), mandibular osteoma, mandibular tori, marginal gingiva and gingival groove, marginal gingivitis, masseteric space infection, maxilla: lateral incisor (radiograph), maxillary and mandibular exostoses, melanoplakia with attached gingiva, microdontia, migration of second premolar and partial eruption buccal to first molar, moderate periodontitis, morsicatio buccarum, mouth breathing, mucocele, mucogingival junction, nasoalveolar cyst, neurofibromatosis, nicotine stomatopathy, nodule, odontogenic keratocyst, open contact, oral melanotic macula, oral lymphoepithelial cyst, papilloma, papule, parotid papilla, parulis, periapical abscess, pericoronitis, periodontal abscess, petechiae, plaque, pleomorphic adenoma, primary lymphoma of palate: telangiectasia, pseudoaphthae, pustule, rampant caries associated with xerostomia, ranula, recurrent caries, regional adontodysplasia, retocuspip papilla, root caries, salivary duct cyst, scar, shovel-shaped incisors, sialolithiathsis, sinus tracts, snuff dipper’s patch, soft palate, squamous cell carcinoma, Sturge-Weber angiomatosis, supereruption, supernumerary root, talon cusps, taurodontism, toothbrush abrasion and abfraction, trauma: swollen ulcerated upper lip, traumatic bone cyst, traumatic ulcer, variants of gernination, verruca vulgaris, vertical one-wall defect, vesicle, white sponge nevus, abrasion: worn by friction against porcelain, abscess, actinic cheilitis: everted, actinic cheilitis: vermillion border lost, actinomycotic gingivitis, acute atrophic candidiasis, Addison disease: hypermelanosis, Addison disease: pigmentation of lips, adenomatoid odontogenic tumor, ameloblastic fibro-odontoma, ameloblastoma: soap-bubble locules, amelogenesis imperfecta type II-C, angular cheilitis, aphthous stomatitis, botryoid lateral periodontal cyst, brown hairy tongue, candidal cheilitis, carcinoma appearing as erythroplakia, caries and chronic periapical inflammation, caries: class III lateral incisor, caries: class IV involving lateral incisor and class III involving central incisor, cell-mediated hypersensitivity:


Illustrations Sources

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From Moore KL PhD FRSM FIAC, Dalley AF II PhD. Clinical Oriented Anatomy. 4th ed. Baltimore, MD: Lippincott Williams & Wilkins; 1999 (dens, dislocation of temporomandibular joint, distribution of facial nerve, floor of mouth and vestibule of oral cavity, innervation of teeth, longitudinal sections of teeth, maxillary artery and branches, maxillary teeth and palate, salivary glands: parotid, submandibular, and sublingual, temporomandibular joint, tongue: B).


From Nield-Gerhig JS. Fundamentals of Periodontal Instrumentation & Advanced Root Instrumentation. 6th ed. Baltimore, MD: Lippincott Williams & Wilkins; 2008 (abutment, concavity on mesial surface of maxillary premolar tooth, curette, dental handpiece and prophylaxis angle, dental tubules: drawing, detection of supragingival calculus deposits, diastema, facial and lingual aspects, Gracey curette series, implant superstructure, indirect vision, line angle, mesial furcation of maxillary first molar, modified pen grasp, mouth mirror, odontoblastic processes, parts of the periodontal instrument, periodontal attachment system, periodontal files, periodontal probes, probing depth, recession, retraction, rubber cup and polishing agent, unpaired and paired working-ends).


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From Reece RM, Ludwig S. Child Abuse: Medical Diagnosis and Management. 2nd ed. Philadelphia, PA: Lippincott Williams & Wilkins; 2001 (oral trauma).


From Sadler T PhD. Langman’s Medical Embryology Image Bank. 9th ed. Baltimore, MD: Lippincott Williams & Wilkins; 2003 (development of permanent teeth, secondary palate development, tooth: antenatal and after eruption, tooth formation).


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From Wilkins EM. *Clinical Practice of the Dental Hygienist*. 9th ed. Baltimore, MD: Lippincott Williams & Wilkins; 2005 (abfraction, anesthesia: dental injections, debanding and debonding armamentarium, dentin tubules and pulpal nerve endings, fiber groups of the periodontium, fixed appliance system, gemination, gingiva, Hawley retainer, systemic fluoride).

From Wilkins EM. *Clinical Practice of the Dental Hygienist*. 10th ed. Baltimore, MD: Lippincott Williams & Wilkins; 2009 (direct digital imaging system, magnetostrictive ultrasonic device, parts of endosseous implant with crown, subgingival scaling and root planing, types of sutures).

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**Susan R. Caldwell**, Riva, MD: nomenclature of viral hepatitis antigens and antibodies.

**Neil O. Hardy**, Westport, CT: caries, dentition, Le Fort fractures, paranasal sinuses.