DANYLO HALYTSKY LVIV NATIONAL MEDICAL UNIVERSITY DEPARTMENT OF LATIN AND FOREIGN LANGUAGES





TERMS IN DENTAL PRACTICE

UDC 811.111: 616.31] (07)

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B. I. Shunevych – DSc in Pedagogy, Professor, Department of Foreign

languages, Lviv National Agrarian University

M. P. Dilai – PhD in Philology, Associate Professor, Department of

Applied Linguistics, Lviv Polytechnic National University

Terms in Dental Practice: Student's Guide / P. A. Sodomora, L. V. Gutor, O. V. Vasylenko, T. P. Nazarenko-Crane. – Danylo Halytsky LNMU, 2020. – 32 p.

Discussed and approved by the Department of Latin and Foreign Languages, Danylo Halytsky Lviv National Medical University (Minutes No 6, dated 5 February 2020).

Approved by the Methodical Board of the Faculty of Foreign Students, Danylo Halytsky Lviv National Medical University (Minutes No 2, dated 31 March 2020).

Terms in Dental Practice is designed for the students, postgraduate students, and health care professionals with the aim of meeting the requirement for improving the knowledge of English dental terms. The Guide primarily intends to fulfill the learning purposes of the students at Danylo Halytsky LNMU and can be incorporated within curriculum subjects in particular "English for professional purposes (Terms in Dental Practice)", "Therapeutic dentistry" and other relevant disciplines.

Terms in Dental Practice covers all basic vocabulary of dental practice and includes explanatory notes and tasks to facilitate learning and encourage memorizing professional terminology.

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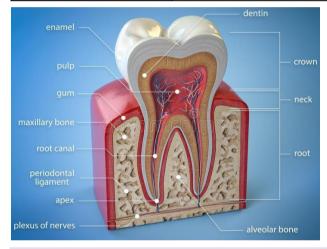
Terms in Dental Practice (1)

1.1. Dental practice

Dental practice (*dentistry* or *odontology*) is the profession that studies, diagnoses, and treats the teeth and gums and any other parts of the oral cavity and facial structure that interact with teeth and gums. Dental practice includes prevention, diagnosis, and treatment, including both reconstructive and cosmetic surgery.

Dentists are trained practitioners generally assisted by *dental hygienists*, *dental assistants*, and *dental laboratory technicians*.

Dental hygienists	licensed health care professionals who have completed extensive		
	educational and clinical preparation in preventive oral health care		
Dental assistants	take x-rays, assist the dentist in providing treatment, and perform		
	general office tasks		
Dental laboratory	laboratory work in the dental lab creating fixed or removable prosthetic		
technicians	devices such as crowns or bridges		



The **oral cavity** is part of the digestive system. Teeth and gums help masticate or chew food at the beginning of the digestive process. They are also important to speech and general appearance. The **gums** or **gingivae** surround the bony **sockets** that hold the teeth in place. The gingivae are dense fibrous tissue that attach to and surround the necks of the teeth and adjacent alveolar bone of the jaw (upper jaw = **maxilla**, lower jaw = **mandible**) inside the oral cavity.

1.2. Dental anatomy

Each tooth has a **crown**, the part projecting above the jawline, and a **root**, the part below the jawline. The crown consists of an outer layer of glossy, hard, white **enamel**, and an inner layer of a hard bony substance called **dentin** surrounding the central portion of the tooth, the **pulp cavity**. The pulp cavity contains connective tissue, blood vessels, and nerves called the **pulp**, the life source of the tooth. The pulp extends down into the root of the tooth. **Root canals** are tubular structures that carry the blood vessels and nerves from the bottom of the jaw up into the pulp cavity. The root of the tooth is held in place by **cementum**, a bony material surrounding the root, and a *periodontal ligament*, fibrous material that connects the cementum to the jawbone.

In dental care, the **outer surfaces of teeth** are referred to in special terms:

labial surface	part of the tooth nearest the inner lip which meets with the		
	when the mouth is closed		
buccal surface	part of the tooth on the side of teeth nearest the cheek		
lingual surface the inside surface of tooth nearest the tongue			
mesial surface	the short side of the tooth nearest the midline of the jawline		
distal surface	the short side of the tooth farthest from the midline of the jawline		

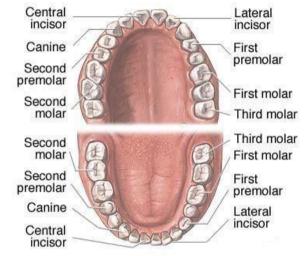
1.3. Types of teeth

Infants are born with no visible teeth but they usually have 20 primary teeth that have formed inside the gums. **Primary teeth** or **deciduous teeth** begin to erupt through the gum tissue at regular intervals at about six months. The twenty primary teeth, ten in the upper jaw and ten in the lower jaw, are usually all in place by age three.

Pedodontists are dentists who specialize in treating children. Early good dental hygiene can also affect the development of the hard palate and facial structure. Then, at about age six, the **secondary** or **permanent teeth** begin to develop and push the primary teeth out of their sockets at regular intervals. Ultimately, by as late as the mid-twenties, most people have gone through the teething process, and all thirty-two permanent teeth have developed. The body does not replace permanent teeth if they are lost.

The average human has three types of primary and four types of secondary teeth.

Primary teeth include incisors, cuspids, and molars. Incisors are the cutting teeth on either side of the centerline of the jaw. The **central incisors** are the teeth on either side of the centerline – two on top and two on the bottom. Next, are the lateral incisors or second incisors. The cuspid (=canine or eyetooth), a tooth with a sharp-pointed projection called a **cusp** sits next to the lateral There are three incisor. molars (=premolars). The first molar sits next to the cuspid, and the second molar sits at the back of a child's jaw.



The types of secondary teeth include incisors, cuspids, and molars, as well as **bicuspids.** The secondary teeth also have central and lateral incisors, followed by one cuspid tooth. Next to each cuspid tooth is a **first bicuspid**, followed by a **second bicuspid**. Bicuspids are so named because they each have two cusps. Permanent teeth include a first, second, and **third molar** on each side of the jaw, both top and bottom. The third molar is popularly known as a *wisdom tooth* because it usually appears after a person is fully grown.

1.4. Common combining forms and abbreviations

COMBINING FORM	MEANING	EXAMPLE	
dent(o), denti	tooth	dentilabial, relating to both teeth and lips	
gingiv(o)	gum	gingivitis, inflammation of the gums	
odont(o)	tooth	odontorrhagia, profuse bleeding after an extraction	

ABBREVIATION	MEANING	ABBREVIATION	MEANING
CDA	certified dental	DMF	decayed, missing, or filled
	assistant		(primary teeth)
DDS	doctor of dental	DMF	decayed, missing, or filled
	surgery		(permanent teeth)
DEF	decayed,	DEF	decayed, extracted, or filled
	extracted, or filled		(permanent teeth)
	(primary teeth)		
RDH	registered dental	TMJ	temporomandibular joint
	hygienist		

1.5. Prevention of dental problems

An ounce of prevention is worth a pound of cure

Most dental work begins with the prevention of tooth decay, cavities, or caries, gradual decay and disintegration of teeth, and gingivitis or gum disease. Preventive measures include:

Brushing teeth and gums twice daily to remove **plaque**, the sticky, colorless layer of bacteria that forms on the crowns and root surfaces of teeth causing tooth decay and periodontal (gum) disease

Flossing, using a thin dental tape or string to clean between the teeth and under the gum line helps to remove plaque and food particles.

Antimicrobial mouth rinses and toothpaste reduce the bacterial count and inhibit bacterial activity in dental plaque.

Fluoride mouth rinse and fluoride toothpaste provide extra protection against tooth decay.

Applying sealants*

*a plastic resin is applied to the depressions and grooves (pits and fissures) on chewing surfaces of molars and bicuspids. The sealant acts as a barrier, protecting enamel from plaque and acids.

1.6. Diagnostic procedures

Tooth decay in infants or toddlers can be caused by going to sleep with bottles in their mouths. As soon as a baby's first teeth appear – usually by age six months or so – the child is susceptible to decay. This condition is often referred to as **baby bottle tooth decay** or **early childhood caries**. In some unfortunate cases, infants and toddlers may experience severe tooth decay that requires **dental restorations** or **extractions**.

Once tooth decay (caries) has begun, the earlier it is caught the better the outcome. **Dental x-rays** reveal the beginnings of decay at and below the surface of the teeth. They can also reveal any problems with the normal growth of permanent teeth, such as an *impacted wisdom tooth* (=third molar) so tightly wedged into the jawbone that it is unable to erupt or break through the surface of the gums thoroughly.

Dental cone beam computed tomography (CT) is a special type of x-ray machine used in situations where regular dental or facial x-rays are not sufficient. This type of CT scanner generates 3-D images of **dental structures**, **soft tissues**, **nerve paths**, and **bone** in the **craniofacial region** in a single scan. It is commonly used for treatment planning of orthodontic issues.

Dental cone beam CT is also useful for more complex cases that involve:

- surgical planning for impacted teeth;
- diagnosing TMJ disorder;
- accurate placement of dental implants;
- evaluation of the jaw, sinuses, nerve canals and nasal cavity;
- detecting, measuring and treating jaw tumors;
- determining bone structure and tooth orientation;
- locating the origin of pain or pathology;
- cephalometric analysis;
- reconstructive surgery.



EXERCISES

Dental practice

Task 1. Choose proper terms to the definitions:

- 1. The profession that studies, diagnoses, and treats the teeth and gums and any other parts of the oral cavity as well as facial structures that interact with teeth and gums.
 - pedodontics
 - endodontics
 - dentistry
 - oral surgery
 - cosmetic dentistry
- 2. A profession that includes prevention, diagnosis, and treatment of oral conditions, including both reconstructive and cosmetic surgery.
 - surgery
 - dental practice
 - medicine
 - pediatrics
 - pharmacy
- 3. A trained practitioner generally assisted by dental hygienists, dental assistants, and dental laboratory technicians.
 - oculist
 - pharmacist
 - dental technician
 - dentist
 - cosmetic dentist
- 4. Licensed health care professionals who have completed extensive educational and clinical preparation in preventive oral health care
 - dentists
 - dental hygienists
 - oral surgeon
 - endodontists
 - periodontists
- 5. They take x-rays, assist the dentist in providing treatment, and perform general office tasks
 - dentists
 - dental assistants
 - radiologists
 - dental hygienists
 - oral surgeons
- 6. They work in the dental lab creating fixed or removable prosthetic devices such as crowns or bridges
 - dental laboratory technicians
 - dental assistants
 - radiologists
 - dentists
 - dental hygienists

- 7. A part of the digestive system, the space from the lips to the end of the hard palate
 pharynx
 oral cavity
 palate
 mandible
 maxilla
- 8. Dense fibrous tissue that attaches to and surrounds the necks of the teeth and adjacent alveolar bone of the jaw inside the oral cavity.
 - palate
 - mandible
 - gingivae
 - maxilla
 - pharynx
- 9. Any of the hard white structures in the mouth used for biting food
 - palate
 - mandible
 - maxilla
 - tooth
 - pharynx
- 10. It holds the tooth in place
 - gingivae
 - palate
 - mandible
 - socket
 - maxilla
- 11. Either of the areas of flesh in the mouth to which the teeth are attached
 - socket
 - palate
 - gum
 - mandible
 - maxilla
- 12. Either of the two bones at the bottom of the face that contain the teeth and move when you talk or eat
 - socket
 - palate
 - jaw
 - parietal
 - temporal
- 13. Upper jaw
 - mandible
 - palate
 - maxilla
 - jaw
 - TMJ

Task 2. Fill in the blank spaces with proper words:

any other parts of the oral cavity and _____ structures.

1. Odontology is the profession that studies, diagnoses, and treats the teeth and gums and

 buccal artificial facial glossal labial
 2. Dental practice includes prevention, diagnosis, and treatment, including both
 3. Dentists are trained practitioners generally assisted by, dental assistants, and dental laboratory technicians. radiologists dental hygienists oral surgeons periodontists security guys
 4. Dental hygienists are licensed health care professionals who have completed extensive educational and clinical preparation in oral health care reconstructive cosmetic plastic preventive cardiovascular
 5. Dental assistants take, assist the dentist in providing treatment. pictures X-rays images care breaks
 6. Dental laboratory technicians work in the dental lab creating fixed or removable prosthetic devices such as crowns and implants crowns or bridges crowns and fillings fillings and veneers implants and veneers

- 7. _____ help masticate or chew food at the beginning of the digestive process.
 - hard and soft palate
 - · teeth and gums
 - lips and tongue
 - head and neck
 - hands and feet
- 8. The gingivae are _____ tissue that attach to and surround the necks of the teeth and adjacent alveolar bone of the jaw inside the oral cavity.
 - epithelial
 - muscle
 - · dense fibrous
 - cardiac
 - loose fibrous

Common combining forms and abbreviations

Task 3:

a) Provide the term for the definition:

- 1. Relating to teeth and lips
 - dental
 - dentilabial
 - labial
 - gingivolabial
 - glossal
- 2. Inflammation of the gums
 - stomatitis
 - periodontitis
 - halitosis
 - gingivitis
 - glossitis
- 3. Profuse bleeding after an extraction
 - diarrhea
 - salivation
 - hemorrhage
 - odontorrhagia
 - bleeding
 - logorrhea

4. Gingivectomy

- incision in gingivae
- removal of a tongue
- removal of gums
- plastic repair of the gingiva
- removal of a tooth

b) Define the following abbreviations:

5. DEF

- decayed, extracted, or filled (permanent teeth)
- decayed, extracted, or filled (primary teeth)
- decayed, extracted, or filled (molar)
- decayed, extracted, or filled (premolar)
- decayed, extracted, or filled (incisor)

6. TMJ

- temporal mandibular joint
- temporomandibular joint
- trained medical journalist
- temporomandibular jaw
- tomato and mandarin jam

7. DMF

- decayed, missing, or filled (primary teeth)
- decayed, extracted, or filled (molar)
- decayed, extracted, or filled (premolar)
- decayed, missing, or filled (permanent teeth)
- decayed, extracted, or filled (incisor)

Dental	anatomy
Tas	k 4. Fill in the blank spaces with proper words:
• 6 • 6 • 6	tooth has a, the part projecting above the jawline. enamel dentin crown oulp cavity cementum
• e • c • r • r	tooth has a, the part below the jawline. enamel dentin root oulp cavity cementum
• r • c • p	crown consists of an outer layer of glossy, hard, white coot dentin oulp cavity enamel cementum
surroun r e e	crown consists of an inner layer of a hard bony substance called ding the pulp cavity. root enamel pulp cavity dentin cementum
• r • r • e	contains connective tissue, blood vessels, and nerves called the pulp. coot coulp cavity enamel dentin cementum
• e • r • c • p	pulp extends down into the of the tooth. enamel root dentin oulp cavity cementum
of the ja	canals are tubular structures that carry the blood vessels and nerves from the bottom aw up into the root enamel

dentincementum

pulp cavity

 8. The root of the tooth is held in place by root enamel dentin cementum pulp cavity 	
 9. Cementum is a material surrounding the root, and a periodontal ligament. fibrous muscular connective bony loose 	
Task 5. Choose a proper term to the definition:	
 1. The hard white outer layer of a tooth pulp root dentin enamel cementum 	
 2. A part of the tooth nearest the inner lip that meets with the lip when the mouth is closed buccal surface lingual surface labial surface mesial surface distal surface 	
 3. A part of the tooth on the side of teeth nearest the cheek lingual surface buccal surface labial surface mesial surface distal surface 	
 4. The inside surface of the tooth nearest the tongue distal surface lingual surface labial surface buccal surface mesial surface 	
5. The short side of the tooth nearest the midline of the jawlinedistal surfacelabial surface	

• buccal surface

mesial surfacelingual surface

- 6. The short side of the tooth farthest from the midline of the jawline
 - mesial surface
 - distal surface
 - labial surface
 - buccal surface
 - lingual surface

Task 6. Match the definitions with correct terms:

- 1. Tooth disease
 - odontology
 - odontalgia
 - gingivitis
 - odontopathy
 - periodontitis
- 2. Tooth-shaped
 - vermiform
 - dentiform
 - cone-shaped
 - teething
 - pear-shaped
- 3. Dentistry
 - periodontology
 - pedodontics
 - endodontics
 - odontology
 - dentalgia
 - dentist
- 4. Toothache
 - pathology
 - myalgia
 - odontopathy
 - adenopathy
- 5. Surgical resection of the gums
 - gingivotomy
 - gingivitis
 - gingival
 - gingivectomy
 - dentalgia
- 6. Inflammation of gums and deeper periodontal structures
 - glossitis
 - gingivitis
 - dentalgia
 - periodontitis
 - stomatitis

Types of teeth

Task 7. Choose a proper synonym to the word:

1	dentistry	a	permanent tooth
2	mouth	b	cuspid
3	gums	c	dental practitioner
4	primary tooth	d	mandible
5	secondary tooth	e	oral cavity
6	pedodontist	f	maxilla
7	canine	g	deciduous tooth
8	dentist	h	odontology
9	upper jaw	i	pediatric dentist
10	lower jaw	j	gingivae

Task 8. Circle T for true or F for false:

1. Wisdom teeth are only secondary teeth.	Τ	F
2. The pulp of a tooth is the gum.	T	F
3. Primary teeth erupt through the gums all at once.	T	F
4. The outer layer of a tooth is the enamel.	T	F
5. The buccal surface is the side nearest the lip.	T	F

Task 9. Fill in the blank spaces with proper words:

- 1. Primary teeth or _____ begin to erupt through the gum tissue at about six months.
 - permanent teeth
 - cuspids
 - · deciduous teeth
 - · deciding teeth
- 2. _____ are dentists who specialize in treating children.
 - dentists
 - endodontists
 - pedodontists
 - oral surgeons
- 3. At about age six, the secondary or ______ begin to develop.
 - lifelong teeth
 - cuspids
 - permanent teeth
 - constant teeth
- 4. _____ are the cutting teeth on either side of the centerline of the jaw.
 - cuspids
 - incisors
 - molars
 - premolars
- 5. The______, a tooth with a sharp-pointed projection sits next to the lateral incisor.
 - cuspid
 - molar
 - premolar
 - incisor

Prevention and diagnosis of dental problems

Task 10. Match the definitions with correct terms:

- 1. The act of stopping something bad from happening
 - treatment
 - diagnosing
 - prevention
 - grading
 - evaluation
- 2. Act of removing or trying to remove something from a place or surface with a brush
 - cleaning
 - brushing
 - flossing
 - drilling
 - irrigating
- 3. A soft substance that forms on teeth and encourages the growth of harmful bacteria
 - calculus
 - decay
 - plaque
 - caries
 - dust
- 4. Cleaning between your teeth with dental floss
 - brushing
 - cleaning
 - flossing
 - drilling
 - irrigating
- 5. A plastic resin applied to the depressions and grooves on chewing surfaces of molars.
 - filling
 - veneer
 - sealant
 - bridge
 - crown
- 6. A special type of x-ray machine generating 3-D images used in situations where regular dental or facial x-rays are not sufficient
 - MRI
 - dental cone beam computed tomography
 - X-ray generator
 - X-ray detector
 - radiograph
- 7. A disorder where the third molars are prevented from erupting into the mouth
 - unerupted wisdom teeth
 - impacted wisdom teeth
 - erupted wisdom teeth
 - exposed wisdom teeth
 - filled wisdom teeth

	Task 11. Write the letter of the ans	wer in the space provided:
 3. 4. 5. 	number of primary teeth number of secondary teeth buccal near the tongue labial nearest the midline of the jawline	 a. lingual b. near the cheek c. near the lip d. mesial e. 32 f. 20
	Task 12. Fill in the blank spaces wi	th proper words:
1.	It is recommended to brush teeth and gun	ns twice daily to remove
2	 between the teeth and under the gun rinsing flossing brushing filling drilling 	n line helps to remove plaque and food particles.
3.	Using reduces the bacterial cour • dental floss • antimicrobial mouth rinse • fluoride mouth rinse • fluoride toothpaste • interdental brushes	nt and inhibits bacterial activity in dental plaque.
4.	Using fluoride toothpaste provides extra p • plaque • calculus • decay • caries • fillings	protection against tooth
	preventedrecommendedstoppedcausedtreated	going to sleep with bottles in their mouth.
6.]	 Dental reveal the beginnings of d CT scan MRI hygienists x-rays assistants 	ecay at and below the surface of the teeth.

Terms in Dental Practice (2)

2.1. Dental restorations

Tooth decay can cause **toothaches** (=odontalgia). Early tooth decay that has not invaded the central portion of the tooth usually receives a **filling**, which includes: drilling, cutting away some of the tooth structure, removing the decayed area, and placing medication and restoration material into space.

If only this toothache would go away, I could write another chapter on the problem of pain.

There are several **dental filling** options:

Dental **amalgam** is a mixture of metal alloys. It is durable, easy to use, highly resistant to wear, and relatively inexpensive in comparison to other materials.

Composite fillings are a mixture of glass or quartz filler in a resin medium that produces a tooth-colored filling.

Glass ionomers are translucent, tooth-colored materials made of a mixture of acrylic acids and fine glass powders that are used to fill cavities, particularly on the root surfaces of teeth.

All-porcelain (ceramic) dental materials include *porcelain*, *ceramic* or *glasslike fillings*, *crowns*, or *veneers*.

Porcelain-fused-to-metal provides strength to a crown or bridge. These restorations are very strong and durable.

Gold alloys contain gold, copper, and other metals that result in a strong, effective filling, crown, or bridge.

If decay is deeper within the tooth, affecting the nerve tissue, an **abscess**, infection and swelling of the soft tissue of the jaw, may result. In some cases, the tooth must be removed partially or totally. If nerve tissue must be removed, **root canal work** is performed. *Root canal work* is the removal of pulp tissue and affected nerves in the root canals. Medication is applied and the affected canals are **sealed off**. **Endodontists** are dentists who specialize in root canal work.

When teeth are damaged by severe trauma or decayed to the extent that they cannot be restored, **replacement or artificial teeth** are used. **Prosthodontics** deals with the construction of artificial devices for replacing missing teeth or other structures in the mouth and jaw. The **prosthodontist** specializes in the practice of prosthodontics.

Dentures are dental prostheses that can be permanently held in place or can be removable. They are either *partial*, replacing one or more but not all teeth, or *full*, replacing a whole set of teeth.

A **bridge** is a restoration that replaces or spans the space where one or more teeth have been lost. There are two types of bridges, *fixed* bridges (bonded into place and can only be removed by the dentist), and *removable* bridges (can be taken out for cleaning).

Missing teeth may also be replaced with dental **implants**, artificial teeth that have extensions set into bone. Implants are expensive and, while some people will have an entire mouth filled with implants, they are more commonly used for just a few teeth.

Dentists use a process of **impressions**, **molding**, **shaping**, and **color-matching substances** that are then made into dentures or bridges in a dental laboratory before being placed into the patient's mouth.

2.2. Periodontal treatment

Gum disease (**periodontal disease**) is classified according to the severity of the disease. The two major stages are *gingivitis* and *periodontitis*. **Gingivitis** is a milder and reversible form of periodontal disease that only affects the gums. Gingivitis may lead to more serious, destructive forms of periodontal disease called **periodontitis**. Gingivitis and periodontitis can result from too much **plaque**, other medical conditions, or general **poor dental hygiene** and health. **Periodontists** are specialists who treat gum disease, often by surgically removing diseased tissue and calcified plaque in a process called scaling.

Common **signs and symptoms of periodontal disease** include:

- Gums that bleed easily
- Red, swollen, tender gums
- Gums that have pulled away from the teeth
- Persistent bad breath or bad taste
- Loose or separating permanent teeth
- Any change in the way your teeth fit together when you bite or in the fit of partial dentures



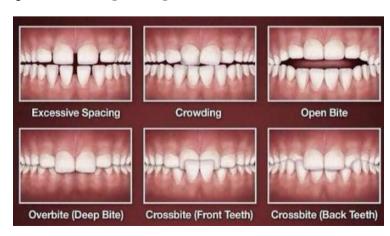
It is possible to have periodontal disease and have no **warning signs**. That is one reason why regular **dental checkups** and **periodontal examinations** are very important. **Good oral hygiene** is essential to help keep periodontal disease from becoming more serious or **recurring**.

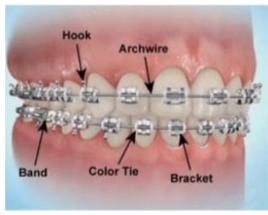
2.3. Orthodontics

Orthodontists are dentists who specialize in **orthodontics**, the correction, and prevention of irregularities in the alignment and appearance of teeth. They can correct **malocclusions**, abnormal closure of the top teeth in relation to the bottom teeth, such as an overbite.

Malocclusions may be corrected with surgical removal of any teeth that are crowding other teeth or with **braces**, appliances that put pressure on the teeth to move them slowly into place.

Some dentists also treat **temporomandibular joint** (**TMJ**) **dysfunction**, pain in the jawline due to dislocation or joint problems that prevent this complex system of muscles, ligaments, discs, and bones from working together properly. Treatments for this pain may include **stress-reducing exercises**, **muscle relaxants**, or wearing a **mouth protector** to prevent *teeth grinding* (**bruxism**).





2.4. Cosmetic dentistry

Some dentists perform cosmetic dentistry by replacing and manipulating *broken*, *discolored*, or *disfigured teeth*. Others treat discolored teeth with bleaching products to whiten them. Most dental stains are caused by age, tobacco, coffee, or tea, antibiotics, such as tetracycline, or **excess fluoride**.

Cosmetic treatment may include:

Bleaching	Chairside bleaching involves several sessions. A bleaching agent			
Dicucining	is applied to the teeth, and a special light may be used to enhance the action of the agent. At-home bleaching may involve the use			
	of mouth trays and a peroxide-containing gel.			
Bonding	Composite resin is molded onto the teeth to change their color			
	and to reshape them.			
Porcelain veneers	Shell-like facings can be bonded onto stained teeth			
Whitening	Some whitening kinds of toothpaste effectively keep the teeth			
toothpaste	cleaner and, therefore, looking whiter, but some are rather			
	abrasive.			

2.5. Common dental problems

The most common dental problems include*:

- 1. Bad breath (=halitosis)
- 2. Tooth decay (=dental caries, dental cavities)
- 3. Gum (periodontal) disease
- 4. Oral cancer
- 5. Mouth sores
 - Canker sores or aphthous ulcers
 - Fever blisters or cold sores
 - Thrush or candidiasis
- 6. Tooth erosion
- 7. Tooth sensitivity
- 8. Toothaches and dental emergencies
- 9. Unattractive smile



^{*}Adapted from: The most common dental problems include. Available at: https://www.verywellhealth.com/top-common-dental-problems-1059461

2.6. Pharmacological terms

Dentists provide local anesthetics during certain treatments, such as drilling. The most commonly used are:

Novocain	which is injected near the site being treated	
Nitrous oxide	a gas inhaled by the patient, also known as <i>laughing gas</i> because	
	it produces laughing in some patients.	
Antibiotics or	after a dental procedure if there is a need. However, there are	
Painkillers/analgesics	limitations to the number and strengths they can prescribe.	

EXERCISES

Dental restorations

Task 1. Choose proper terms to the definitions:

- 1. A process that includes: drilling, cutting away some of the tooth structure, removing the decayed area, and placing medication and restoration material into space.
 - implanting
 - restoration
 - filling
 - repair
 - bleaching
- 2. A dentist who specializes in root canal work
 - periodontist
 - orthodontist
 - pedodontist
 - endodontist
 - oral surgeon
- 3. Specialty dealing with the construction of artificial devices for replacing missing teeth.
 - endodontics
 - periodontology
 - prosthodontics
 - pedodontics
 - oral surgery
- 4. Dental prostheses that can be permanently held in place or can be removable.
 - filling
 - implant
 - denture
 - sealant
 - veneer
- 5. A restoration that replaces or spans the space where one or more teeth have been lost.
 - denture
 - filling
 - bridge
 - implant
 - sealant
- 6. Artificial teeth that have extensions set into bone.
 - implant
 - denture
 - bridge
 - filling
 - sealant
- 7. A mark that is left when an object is pressed hard into a surface of a tooth
 - mark
 - impression
 - molding
 - bleaching
 - filling

Task 2. Match the beginnings and the endings of the sentences:

Dental amalgam	include porcelain, ceramic or glasslike fillings, crowns, or veneers.
Composite	provides strength to a crown or bridge. These restorations are very
fillings	strong and durable.
Glass ionomers	contain gold, copper, and other metals that result in a strong, effective
	filling, crown, or bridge.
All-porcelain	are a mixture of glass or quartz filler in a resin medium that produces a
dental materials	tooth-colored filling.
Porcelain-fused-	is a mixture of metal alloys. It is durable, easy to use, highly resistant to
to-metal	wear, and relatively inexpensive in comparison to other materials.
Gold alloys	are translucent, tooth-colored materials made of a mixture of acrylic
	acids and fine glass powders.

Porcelain-fused-	is a mixture of metal allo	bys. It is durable, easy to use, highly resistant to
to-metal	wear, and relatively inexp	pensive in comparison to other materials.
Gold alloys	are translucent, tooth-co	lored materials made of a mixture of acrylic
	acids and fine glass powd	lers.
Task 3. Fill i	n the blanks with proper	r words:
_	ny affecting the nerve in an infection or	 bridges are bonded into place and can only be removed by the dentist. partial fixed full removable movable
2 teeth cannot be restored.porcelainartificialnaturalhealthynew	are used when teeth	 6 bridges can be taken out for cleaning. fixed removable partial full attached
 3 denture but not all teeth. full fixed partial removable movable 	s replace one or more	 7 deals with the construction of artificial devices for replacing missing structures in the mouth and jaw. endodontics periodontology pedodontics prosthodontics oral surgery
dentures teeth. partial fixed full removable movable	replace a whole set of	 8. The specializes in the practice of construction of artificial dental devices. orthodontist prosthodontist endodontist periodontist pedodontist

Periodontal treatment

Task 4. Fill in the blanks with proper words:

1. Gingivitis is a milder form of disease that only affects the gums.	7. The goal of periodontal treatment is to
• gingival	clean thoroughly the around teeth. • pockets
• tooth	•,
 periodontal 	pitscavities
 dental 	sockets
oral	• fissures
2. Gingivitis and periodontitis can result	
from too much	8 removes tartar and bacteria from
• calculus	the tooth surfaces and beneath your gums.
• crown	• bleaching
teeth	• filling
• plaque	• removing
hygiene	• scaling
3. Gingivitis and periodontitis can result	• drilling
from dental hygiene.	9. Dental refers to the practice of
• rich	keeping the mouth, teeth, and gums clean
• proper	and healthy to prevent disease.
sufficient	health
• poor	 treatment
• terrific	hygiene
	• care
4. A periodontal exam involves taking six	 restorations
measurements around each to	10 is an infection caused by
measure the depth of the space between	bacteria that destroy the gums and bone.
the tooth and gums.	• gingivitis
gumroot	 periodontal disease
4 41.	• stomatitis
	 glossitis
• crown	• caries
• denture	11. Proper tooth brushing is critically
5 oral hygiene is essential to	important to good dental
help keep periodontal disease from	• health
becoming more serious.	treatment
• bad	• care
• improper	hygiene
• balanced	restorations
• good	
poor	12. Brushing after meals helps to keep the
6. Proper oral hygiene is essential to help	bacteria from reproducing in
keep periodontal disease from	your mouth.
returning	 non-pathogenic
 coming back 	 disease-causing
• recurring	• lacto-
 coming again 	 bifida-
 coming soon 	 microscopic

Task 5. Choose proper terms to the definitions:

- 1. A mild form of gum disease that causes irritation, redness, and swelling of gums.
 - periodontitis
 - gingivitis
 - caries
 - bruxism
 - halitosis
- 2. Inflammation of the periodontium.
 - gingivitis
 - caries
 - periodontitis
 - bruxism
 - halitosis
- 3. A biofilm or mass of bacteria that grows on surfaces within the mouth.
 - calculus
 - tartar
 - caries
 - plaque
 - stone
- 4. A form of hardened dental plaque.
 - plaque
 - caries
 - stone
 - calculus
 - cavity
- 5. Bad breath.
 - periodontitis
 - halitosis
 - gingivitis
 - caries
 - bruxism
- 6. This word has the same meaning as "calculus".
 - plaque
 - caries
 - stone
 - tartar
 - cavity
- 7. A dentist who specializes in the prevention, diagnosis, and treatment of periodontal disease.
 - stomatologist
 - pedodontist
 - periodontist
 - endodontist
 - surgeon

Orthodontics

Task 6. Fill in the blanks with proper words:

	thodontists are dentists who specialize in the correction and prevention of irregularities and appearance of teeth.
	overbite
•	crowding
•	bruxism
•	alignment
•	malocclusion
2. O	thodontists can correct abnormal closure of the top teeth in relation to the bottom teeth,
	as an
•	alignment
•	crowding
•	overbite
•	bruxism
•	malocclusion
3. M	alocclusions may be corrected with the removal of any teeth that are other teeth.
•	alignment
•	overbite
•	bruxism
•	crowding
•	malocclusion
4	are appliances that put pressure on the teeth to move them slowly into place.
•	bridges
•	fillings
•	braces
•	dentures
•	veneers
5. TI	MJ is a pain in the jawline.
•	malocclusion
•	dysfunction
•	overbite
•	crowding
•	bruxism
6. Tı	eatments for TMJ dysfunction may include wearing a mouth protector to prevent
•	alignment
•	occlusion
•	crowding
•	denture
•	bruxism
7.	can be caused by a genetic imbalance between jaw and tooth size.
′• <u> </u>	alignment
•	occlusion
•	filling
•	denture
•	crowding

•	Excessive spacing betwee crowding diastema alignment overbite malocclusion	n teet	h is called
•	 Abnormal closure of the to crowding alignment malocclusion occlusion filling 	op tee	eth in relation to the bottom teeth is called
•	The dental specialist con endodontistpedodontistperiodontistorthodontistoral surgeon	cerne	d with correcting the alignment of teeth is
•	You would visit a(n) endodontist pedodontist periodontist orthodontist oral surgeon		for braces.
Task 7. Match the beginnings and the endings of the sentences:			
1	crowding	a	this is a type of orthodontic malocclusion which has vertical overlap or contact between the anterior incisor
2	diastema	b	the condition in which the buccal cusps of canin

1	crowding	a	this is a type of orthodontic malocclusion which has no vertical overlap or contact between the anterior incisors.
2	diastema	b	the condition in which the buccal cusps of canine, premolar, and molar of upper teeth occlude lingually to the buccal cusps of canine, premolar and molar of lower teeth.
3	open bite	С	this condition occurs when there is disharmony in the tooth-to-jaw size relationship or when the teeth are larger than the available space
4	anterior crossbite	d	this condition refers to a gap or space between the teeth. these spaces can form anywhere in the mouth but are sometimes noticeable between the two upper front teeth.
5	overbite	е	this condition refers to the extent of vertical (superior- inferior) overlap of the maxillary central incisors over the mandibular central incisors, measured relative to the incisal ridges.
6	posterior crossbite	f	this condition involves displacement of either maxillary central or lateral incisors lingual to their original erupting positions.

Cosmetic dentistry

Task 8. Fill in the blanks with proper words related to cosmetic dentistry:

 refers to any dental work that improves the appearance of teeth, gums, and/or bite. cosmetic dentistry oral surgery orthodontics endodontics pedodontics
 2. Cosmetic dentistry primarily focuses on improvement in overall appearance. face smile facial head lips
 3. The most common types of cosmetic dentistry include composite bonding, dental implants, whitening, inlays, and and veneers. inlays lays onlays withinlays crowns
 4. One of the types of cosmetic dentistry is bonding. porcelain composite amalgam ceramic resin
 5. Bonding is one of the most cosmetic procedures. ineffective time-effective demanded cost-effective common
 6. Bonding is used to minor issues ranging from tooth decay to chipped teeth. recover improve fill whiten repair

 7. Cosmetic dentistry is primarily on improving a person's smile. focusing having focused being focused focus focused
 8. Cosmetic procedures may also offer some type as well. restorative drawback restorative disadvantage restorative benefit filling benefit restorative pleasure
 9. Some of the common procedures can be performed by most dentists. cosmetological mouth pediatric cosmetic dentist
 10. Dental implants are typically used to replace teeth. missed disappeared erupted impacted missing
 11. For the implant procedure, your dentist will surgically insert a small screw into the
 12. Dental implants are said to be from person's other teeth. natural indistinguishable distinguishable different alike
 13. Having the teeth is one of the most common of all cosmetic procedures. whitening white white whitened whited

14	can be used to achieve shades that are even lighter than the natural tooth color
•	brushing
•	whitening
	procedure
	filling
	veneering
	and onlays are also known as an indirect filling.
	overlays
•	withinlays
•	outlays
•	inlays
•	bylays
•	ays and onlays are in a lab and are shaped to match the teeth perfectly. mold have molded molding molded having molded
	direct are typically used when there is not enough tooth to support a crowns
•	
•	fillings
	bridges
	dentures
•	lays
18. De	ental veneers are designed to closely a person's natural teeth.
•	restore
•	resemble
•	like
•	repair
•	whiten
•	eneers are usually made from a super-strong medical-grade filling resin amalgam ceramic ionomer
20. Ve	eneers can be used to fill in a minor between teeth.
•	overbite
•	gap
•	crowding
•	overlap
•	fissure

Common dental problems. Pharmacological terms

1. Halitosis is commonly known as _____.

Task 8. Fill in the blanks with proper words related to common dental problems and pharmacological terms:

• bad smell	
 bad touch 	
 poor breath 	
• bad breath	
 poor smell 	
2. Other term for tooth decay is	
 abscess 	
• caries	
 halitosis 	
 mouth 	
• pain	
3. Periodontal disease is commonly known as	
 halitosis 	
• gum disease	
 tongue disease 	
• caries	
 abscess 	
4 cancer refers to cancer that develops in any of the parts that make up the mouth	•
 palate 	
 oral 	
 stomach 	
• lip	
• tongue	
5. Canker sores or aphthous ulcers, fever blisters, or cold sores are referred to as	
 halitosis 	
 mouth sores 	
• gum disease	
 tongue disease 	
• caries	
6. Candidiasis is commonly known as	
• halitosis	
• thrush	
 mouth sores 	
• gum disease	
 tongue disease 	

7	is injected near the site being treated.
• 8	antibiotic
• t	ranquilizer
	sedative
	novocain
	nitrous oxide
• 1	ntious oxide
8	is also known as laughing gas because it produces laughing in some patients.
• (earbon dioxide
. (CO_2
• (oxygen
	nitrous oxide
	nitrous dioxide
_	
9	can be prescribed after a dental procedure if there is a need.
	sedatives and analgesics
	sedatives and tranquilizers
	antibiotics and sedatives
	antibiotics or analgesics
	antibiotics and anesthetics
• 6	and anesthetics
10. Two	o types of dental prostheses are and
	lentures, fillings
	dentures, crowns
	veneers, implants
	-
	dentures, implants
• (erowns, implants
11. Am	algam is a material used to teeth.
	remove
	extract
	whiten
• t	bleach
12 Mic	croorganisms that cause decay form around the teeth and gums.
	calculus
	artar
	amalgam
_	plaque
• t	hrush
13 A fi	ixed dental appliance that replaces one or more teeth is a(n)
	crown
	oridge
	denture
	mplant
• (praces

 diseased, extrac decayed, exami decayed, extrac damaged, extrac decayed, extrac 	ned, or filled ted, or filled cted, or filled		
 15. A specialist in the orthodontist pedodontists periodontist prosthodontist hygienist 	treatment of gum dis	ease is a	·
 16. A(n) pedodontists periodontist orthodontist prosthodontist hygienist 	_ treats gum disease.		
Task 9. Fill in	the sentences with t	he words from the box	:
endodontist	hygienist	periodontist	prosthodontist
endodontist	hygienist orthodontist	periodontist pedodontis	_
 You would visit a(n Root canals are perf spec Gingivitis would be A dental specialist i 	orthodontist) for for formed by for lialize in dental treatment of the replacement of is a license	braces ment for children missing teeth is a(n) d member of the dent	sts
1. You would visit a(n 2. Root canals are perf 3 spec 4. Gingivitis would be 5. A dental specialist i 6. The dental perform extensive prev Task 10. Write	orthodontist) for formed by rialize in dental treatr treated by a(n) n the replacement of is a license ventive treatment for e the correct spelling	braces ment for children missing teeth is a(n) d member of the dent patients.	al health team who may

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