

1.1 Introduction to medical terminology

communication	تواصل
Fluid	سائل
Humerus	عظم العضد
identify / recognize	تمييز
Medical terms structured	(بنية المصطلحات الطبية) وهي مبنية على أجزاء
patient	مريض
Swallowing	بلع

Medical terminology : language used by medical professionals that used to communication easily with each other & understanding what is done or being done to help a patient

Importance of medical terminology

allows health professionals to communicate

understood by all healthcare professionals

save time in medical emergency

identify a treatment that patient needs & describes his condition

know medical terminology is useful for :

help understand doctor when using medical terms your illness & condition, or the treatment is recommending

help explain the medical emergency

if you decide to study healthcare-related course at university

الدرس الثاني يبدأ من هنا

medical words include : **prefix** , **root word** , **suffix** , **combining vowels**

recognize parts of medical word helps you understand how medical terms structured

prefix : beginning of a word. **suffix** : end of a word

putting word parts together change : meaning of the word & spelling & how to say each part

dysphagia : difficulty swallowing

dysphasia : loss power to speak or understand speech

Humeral : relates to humerus bone in arm

Humoral : refers to body fluid such hormone

1.2 medical root words, prefixes, suffixes, and combining vowels

root word the base of word & other words grow from it

in a medical word there's at least 1 root word

arthr	joint مفاصل	gastr	stomach. معدة	phieb	vein وريد
carcin	cancer سرطان	glyc	sugar	psych	mind
cardi	heart. قلب	heam	blood	pulmon	lungs رئتين
chem	chemical كيميائي	lipid	fat دهون	thromb	clot. خثرة
derm	skin جلد	osteo	bones عظام	tox	poison. سم

prefixes : (in, un, dis, mis) in English language

prefix	mean	example	meaning of example
a, an	without, lack of	anaesthetic	without pain, sensation
ab	away from, off	abnormal	away from normal or not normal
anti	against	antibacterial	to fight against bacteria
ante	ante	antenatal	before the birth of a baby
brady	slow	bradycardia	slow heartbeat
tachy	fast	tachycardia	fast heart rate
hyper	too high	hyperglycaemia	too high sugar in blood
hypo	too low	hypoglycaemia hypotension	too little sugar in blood low blood pressure
epi	above	epidermis	upper layer of the skin
inter	between	intercellular	between the cells
intra	within	intravenous	within the veins
myo	muscle		

suffixes

gives info about a word it used to : (condition - procedure - إجراء disease)

it helps identify what wrong with a patient & how it can be fixed

some suffixes can sound similar but with different meanings so pronunciation very important

suffix	mean	example	meaning of example
aemia	blood condition	leukaemia	blood cancer
genic	forming	carcinogenic	cancer forming
ism	condition or disease	hyperthyroidism	overactive thyroid condition
itis	inflammation	arthritis	inflammation of the joints
logy	study of	biology	study of the body
sis	state of condition	osteoporosis acidosis	bones condition produce too much acid condition
pathy	disease or disease process	neuropathy	nervous system disease

first identify suffix means then prefix

الroot شي اساسي بأي مصطلح طبي

suffix , prefix إضافة وحده منهم او إزالتها من مصطلح طبي يغير معنى الكلمة الطبية

مبتغير معنى الكلمة بس أداة ربط combining vowels

combining vowels used to make the word easily to say. (u, a, e, i, o)

O most used , i , u also

used to connect two root & used to connect root to suffix

combining vowels rules :

doesn't change meaning of the word

to connect 2 root

not always used when suffix connect to root

If suffix begin with vowel, the combining vowels not needed للربط بالقول بالنص

مش حفظ بس بيكفي تميز

medical terms use "o" :

acidosis carcinogenic gastroenteritis haemoglobin immunotherapy radiotherapy electrocardiogram

1.3 Medical record reports

allergies	حساسية
Confidential	سرية
Ethnicity	العرق
extremities (arms & legs)	الاطراف
Medications	أدوية
track	تتبع

report details include :

1. personal information
2. medical history
3. medical complaint
4. physical examination results
5. test results & diagnosis
6. treatment plan & progress report

used by healthcare professionals it keeps track of patient's treatment & progress during patients care time

importance of medical report : collect & record information correctly

- * helps healthcare provider to provide the best & safest care of the patient
- * medical terminology in report : patient's condition & treatment be easily to understood by healthcare professionals
- * must be confidential between patient and healthcare provider

personal information :(name - birth date - gender)

ethnicity (from, religion, language)

contact information (address, phone number, email)

medical history :(medical conditions - medications -allergies)

medical complaint (signs, symptoms) of illness

physical examination :(health professional show if patient has any abnormal signs or injury)

physical examination checks: فحص غرفة التقييم والدكتور لك

height & weight

vital statistic (blood pressure - حرارة نبض - pulse rate - ضغط)

examination of the body & body system :(head & neck - chest, heart, lungs, skin & extremities, stomach, body's movement)

Test results & diagnosis

patient might have tests to confirm the presence of illness or disease **blood test, x-ray** other diagnostic assessment

describe medical tests & results with medical terminology = anybody treating patient knows what's wrong with patient

Treatment plan & progress

plan (**medication must take - surgery need to have - recommended lifestyle changes**)

progress (**appointments follow up *treatment progress***)

Unified medical records in UAE السجلات الطبية الموحدة في دولة الإمارات العربية المتحدة

Ministry of health & prevention in UAE

creating a database will digitally store patients' medical records individually in 1 place by 2022

all doctors will have access to all patients' health information (from hospital visits to diagnostic tests) from any healthcare centre

it helps doctors diagnose faster & help them make better decisions about treatment to offer **because of seeing medical history & past treatments that patient's had**

database : قاعدة بيانات

diagnostic test : اختبار تشخيصي

digitally : رقمياً

prevention : وقاية

1.4 Responding to medical instructions

complaint	شكوى
Instructions daily	تعليمات يومية
Recommends	توصية
respond	استجابة

medical instructions

healthcare professionals need to respond to medical instructions daily

if you are talking with a doctor or during first-aid situation you may be given directions from a medical professional over the phone & respond to medical instructions

Common medical terms

Acute مرض حاد	illness lasts for short time <u>less than 3 months</u>
chronic مزمن	disease of illness <u>lasts at least 3 months</u>
Cure دواء	drug or <u>medical treatment stops disease & makes someone healthy again</u>
Diagnosis تشخيص	medical professional identifies disease or illness patient has
Infectious معد	disease can spread to peoples by germs
Prognosis التنبؤ بمسار المرض أو الإصابة	doctor's opinion about how someone will recover from illness or injury
Remission تحسن أعراض مرض مؤقتاً	Symptoms of patient's disease get better (not cured)
Sign اعراض يلاحظوها الناس	evidence of an illness that can be <u>see by others</u>
Symptoms أعراض يلاحظها المريض عن نفسه	feeling or physical change <u>experienced by patient</u>
Terminal مرض لا يعالج	having illness cannot be cured
Treatment علاج	something deals with disease or injury to feel better or become healthy again

Visiting the doctor

before appointment

reason for visit & make a list for a question that you want to ask the doctor about

During appointment

describe signs & symptoms of condition

tell the doctor about your medical history

in physical examination tell the doctor what parts of your body are affected by medical complaint

ask the doctor about what you didn't understand it about your condition

make notes of any lifestyle changes your doctor recommends

After the appointment

review your visit by asking yourself :

questions are answered?

did you tell the doctor all signs & symptoms?

did you know what you should do? (medications should take - medical tests needed)

if you have any new questions speak to the doctor again

Medical emergencies

medical professional might give you instructions about how to help who is sick or injured

***** remember : *****

stay calm

explain what's happening clearly (signs & symptoms)

ask medical professional to explain instructions clearly & listen carefully

1.5 Spell & pronounce medical terminology

fibrous tissues	أنسجة ليفية
spinal cord	عمود فقري

mistake when writing or saying medical terminology = mistakes in treating patient

similar way to say but with different meaning

cord	spinal cord part of nervous system	chord	set of music notes
fascial	relating to fibrous tissues in body	facial	relating to face
humerus	long bone of upper arm that goes from shoulder to elbow	humorous	something causes laughter & amusement

Syllables : break a word to different parts

1 pain , 2 pain-ful , 3 pain-kill-er

1 high , 2 hy-per , 3 ab-nor-mal

1 sick , 2 dis-ease , 3 in-fec-tion

World stress : word has more than one syllable & have syllable is strongly and clearly than the first

Ap-ple

present : 2 syllables , stressed word first syllable

word changes when stress on end syllable

pre-sent : to be a present as like when your teacher called your name, and you say yes

pre-sent : to present something to someone (give)

leu-kae-mi-a in-ter-cel-lu-lar hy-per-thy-roid-ism

ar-thri-tis bi-ol-o-gy an-aes-thet-ic

ab-nor-mal an-ti-bac-te-ri-al os-te-o-po-ro-sis