

1.1 Introduction to medical terminology

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

Medical terminology : language used by medical professionals that used to communicate 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 ورید |
| 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 | before | 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 - 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 شيء اساسي بأي مصطلح طبي

إضافة وحدة منهم او إزالتها من مصطلح طبي بغير معنى الكلمة الطبية

مابتغير 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

اذا سافكس بدأ بـاول فما يستخدم الفاول بالنص للربط

مش حفظ بس يكفي تمييز

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 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)

فحص غرفة التقىيم والدكتور لك

height & weight

vital statistic (blood pressure - pulse rate - respiration - temperature)

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***)

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

In 2023, UAE health authorities announced that they've successfully completed creation of Riayati platform and its digital database that contains all medical records of patients in UAE considered a national achievement& big digital transformation of UAE's health sector.

Now all patients' medical records from 3000 private & public medical facilities across 7 emirates linked

It will improve quality of care by giving all healthcare quick & easy access to patients' health information

database : قاعدة بيانات

authorities announced : السلطات أعلنا

digital : رقمي

medical facilities : مرافق طبية

1.4 Responding to medical instructions

| | |
|--------------------|----------------|
| complaint | شكوى |
| Instructions daily | تعليمات يومياً |
| 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> |
| Biopsy عينة من الانسجة مأخوذة من المختبر | small sample of tissue that's taken for testing |
| 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 معدٍ | 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 بيلاحظها الناس | evidence of an illness that can be <u>see by others</u> |
| Symptoms اعراض بيلاحظها المريض عنفسه | 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

| | | | |
|---------|---|-------|---------------------------------------|
| humerus | long bone of upper arm that goes from shoulder to elbow | humor | 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

Doc-tor

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-the-tic

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

1 pain sad sick

2 pain-ful feel-ing Dis-ease

3 pain-kill-er E-mot-ion in-fect-ion

شرح كيف تعدوا الـ syllables

[Speaking English - How to count syllables](#)