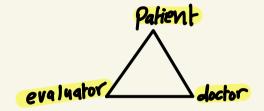
General physical examination Dr. Waleed

* In practice:



* Three types of question:

- 1- open Q
- 2- close Q
- أكيد انت ما وقفت الدوا ؟ 🔁 (يوحي للمريض بالإجابة) 3- leading Q .

* General appearance: 1- general look (ill, well, very ill ...)

- Look at the patient's general appearance. Do they look unwell, frightened or distressed? Are there any signs of breathlessness or cyanosis? Is the patient overweight or cachectic? Are there any features of conditions associated with cardiovascular disease such as Marfan's (p. 30), Down's (p. 36) or Turner's syndrome (p. 36), or ankylosing spondylitis (p. 262)?
- Conclude by examining the entire skin surface for petechiae, checking the temperature (p. 345) and performing urinalysis (p. 246). Fever is a feature of infective endocarditis and pericarditis, and may occur after myocardial infarction. Urinalysis is necessary to check for haematuria (endocarditis, vasculitis), glucosuria (diabetes) and proteinuria (hypertension and renal disease).





Looks very well



Patient (looks very sick)

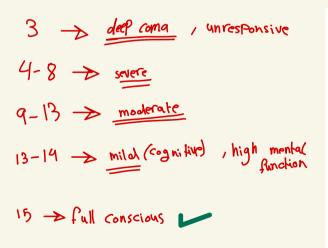
اللهم إن نعمك كثيرة علينا لا نحصيها ولا نحصي ثناء عليك ولا نقدر وأنت سبحانك كما أثنيت على نفسك وأنت سبحانك غني عن العالمين 💝

2- GLS Glasgow Coma Scale (GCS) score.

The Glasgow Coma Scale GCS is more sensitive to changes in a patient's conscious level but is more complex. It measures eye opening, vocal and motor responses (Box 18.5). The GCS was initially validated as a measure of conscious level in patients with traumatic brain injury. Its use has been extrapolated to many situations of altered consciousness and it may not always perform as intended.

The GCS should always be reported in its component parts – for example, E4 V5 M6 – and it can be useful to describe each mental.

* assessing 3 things
1-eye opening
45:4
2-motor function
45:5
3-verbal commands
45:6



	1
	للنزميم فقله
18.5 Glasgow Co	ma Scale (GCS)
Eye opening (E)	
4	Spontaneously
3	To speech
2	To pain
1	No response
Best verbal respor	ise (V)
5	Orientated
1	Confused
3	Inappropriate words
2	Incomprehensible sounds
1	No verbal response
Best motor respon	ise (M)
ô	Obeys commands
5	Localises painful stimulus
1	Normal flexion
3	Abnormal flexion
2	Extends to painful stimulus
1	No response

* orthopned > Common in fericarditis usoli, shis older

3 - body built (under weight, normal, obese) BMI

BMI = (weight / height2)

Nutritional status	BMI non-Asian	BMI Asia
Underweight	<18.5	√ 18.5
Normal	18.5–24.9	18/5-2/2
Overweight	25–29.9	23–24.9
Obese	30-39.9 or 30-35	25-28.9



obese Han



very thin

4- Connections > more sick we you will be do connections ye will be do

D Respiratory tube



GD Pulse Oximeter

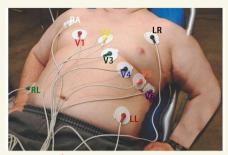




QD IV infusion



hasal cannula



leads ECG



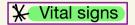
lier lessini pr Tracheal Iliu

Tracheostomy

procedure to help air and oxygen reach the lungs by creating an opening into the trachea from outside the neck



urine bag



Vital signs

Physiological observations are monitored routinely in patients who are admitted to hospital. The vital signs that are measured include heart rate, blood pressure, respiratory rate, oxygen saturations, temperature and level of consciousness. Additional monitoring may include urine output, pain assessment and blood glucose testing.

1- Palse:

< 60 bpm	Bradycardia	
60-100 bpm	Normal pulse rate	
> 100 bpm	Tachycardia	

2- temperature: oral

	< 36°C	Hypothermia	
	36°C-37.2°C	Normal	
Low grad &	- > 37.2°C	Hyperthermia	
fover	> 38°C	High grade fever	

Axillary >
Lower than oral by 0.5°

Sectal >
higher than oral by 0.5°

(Most accurate)

3-Respiratory Rate :

< 12	Bradypnoea
12 - (20 - 4)	Normal
> 20	Tachypnoea

4- blood Pressure:

	Normal	Prehypertention	Hypertension
Systolic	90 - 129	130 - 139	7140
Diastolic	60 - 79	>80	>90

$$\langle \frac{90}{60} \rangle$$
 hy Potension

after vital signs, we start examination: from upper to lower (finger
$$\rightarrow$$
 hands \rightarrow arms \rightarrow head & neck \rightarrow lower parts)



SLE / malar rash > cheeks & bridge of the nose not Photosensitive Rash > whole Gaco



Alopecia





frontal bone baldness

hypothyroldism closs of hair) & loss of lateral egebrow





tightening 4 skin م بكون الوجه مشاءد كثير

no wrinkles no subatives



Cushing , moon face obese



* exophthalmus (proptosis)

normally >> eyelid cover just

one third of eye

Eyes

Examination sequence

- Look for periorbital puffiness or oedema, and lid retraction (this is present if the white sclera is visible above the iris in the primary position of gaze; see Fig. 10.2A).
- Examine for features of Graves' ophthalmopathy, including

 **exophthalmos (look down from above and behind the patient), lid swelling or ervthema, and conjunctival redness

 Yor swelling (chemosis). → **Projection

 **The patient of the patie
- Assess for lid lag: ask the patient to follow your index finger as you move it from the upper to the lower part of the visual field. Lid lag means delay between the movement of the eyeball and descent of the upper eyelid, exposing the sclera above the iris.

eyelid العسن و ما بشرّل الا let Patient follow my finger when move if from above to down.

وتبعث الا العسن و ما بشرّل الا الله





Lid retraction

(SUPPly Levator PalPebra superioris

MUSCLE) innervated by acculomator &

Sympathetic

لأخر ﴿ 199



causes:

- 1- hyperbilirubinemia
- 2- Alcohol
- 3-carotenemia

Jaundice



Fig. 3.18 cyanosis of the lips.

Pale hands

Nasal deformity

The most common cause of nasal deformity is trauma, resulting in swelling, bruising and deviation of the nose. The swelling following trauma will settle over a couple of weeks but residual deviation may remain if the nasal bones were fractured and displaced. It is important to establish the impact of the nasal injury on function (nasal breathing, sense of smell) and cosmetic appearance.

Nasal septal destruction or perforation can result in 'saddle deformity' of the nasal bridge. Causes include granulomatosis with polyanglitis, trauma, cocaine abuse, congenital syphilis and iatrogenic factors (septal surgery, Fig. 9.14B).

The nose can appear widened in acromegaly or with advanced nasal polyposis (Fig. 9.14C). Rhinophyma can also result from chronic acne rosacea of the nasal skin (Fig. 9.15).

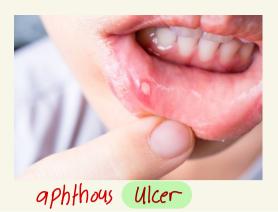




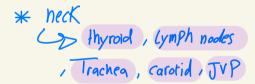


saddle nose

Fig. 9.16 Nasal examination, A Elevation of the tip of the nose to give a clear view of the anterior nares. B Anterior rhinoscopy using an otoscope with a large speculum.

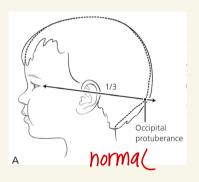


Aphthous ulcers are small, painful, superficial ulcers on the tongue, palate or buccal mucosa. They are common and usually heal spontaneously within a few days. Oral ulcers can be caused by trauma, vitamin or mineral deficiency, cancer, lichen planus or inflammatory bowel disease.





Low set ears



1- Thyroid: in lower anterior neck
examine it from behind

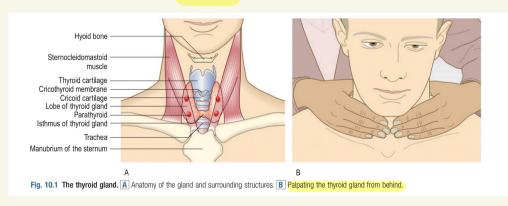
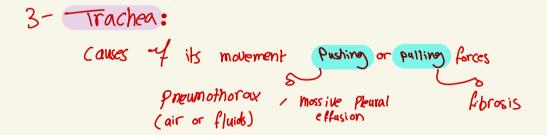






Fig. 3.27 Palpation of the cervical glands. A Examine the glands of the anterior triangle from behind, using both hands. B Examine for the scalene nodes from behind with your index finger in the angle between the sternocleidomastoid muscle and the clavicle. [C] Examine the glands in the posterior triangle from the front.



4- JVP: Jugular venous Pressure

Jugular venous pressure and waveform

Estimate the jugular venous pressure (JVP) by observing the level of pulsation in the internal jugular vein. The vein runs deep to the sternomastoid muscle and enters the thorax between the sternal and clavicular heads. The normal waveform has two main peaks per cycle, which helps to distinguish it from the carotid arterial pulse (Box 4.15). The external jugular vein is more superficial, prominent and easier to see. It can be kinked or obstructed as it traverses the deep fascia of the neck but, when visible and pulsatile, can be used to estimate the JVP in difficult cases.

The JVP level reflects right atrial pressure (normally <7 mmHg/9 cmH₂O). The sternal angle is approximately 5 cm above the right atrium, so the JVP in health should be ≤4 cm ← normal value 4 above this angle when the patient lies at 45 degrees (see Fig. 4.15B later). If right atrial pressure is low, the patient may have to lie flat for the JVP to be seen; if high, the patient may need to sit upright (Fig. 4.14).

Jugular venous pulse (JVP)





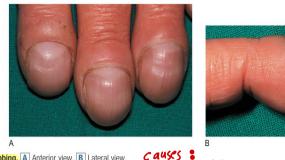


Fig. 3.8 Clubbing. A Anterior view. B Lateral view.

HO COPD D lung cancer , all suppurative lung diseases

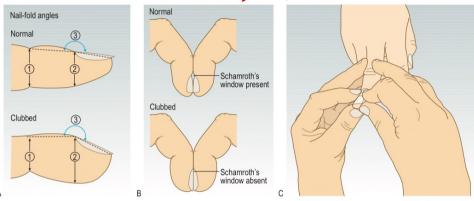


Fig. 3.9 Examining for finger clubbing. A Assessing interphalangeal depth at (1) interphalangeal joint and (2) nail bed, and nail-bed angle (3). B Schamroth's window sign. C Assessing nail-bed fluctuation.



Koilonychia (spoon shafrol deppression of nail plate)

Cause: iron deficiency anemia



onicholysis with Pitting
in sporiasis
* nail separates from
nail bed

cause : sporiasis



Splinter hemorrhage (small red streaks)



cause: Liver disease, smokers



swan neck deformity



lower limb oedema

Pitting, non-Pitting

Dunilateral, ex: DVT

(ausl: HF, dialysis