

Done by: Mhmad Shehadeh Batool Frehat One of the following prescribe the Picture:

a)A is drowning B is throttling

b)A is drowning a B is strangulation

c) A is unknown B is strangulation

Answer: C



Q:2



A)visual identification is most important method b)close disaster c)open disaster

**Answer: C** 

Q3) one of the following is true:

A)Dry burn

b)scalds, and it is mostly non-Accidental c)scalds, and it is mostly Accidental

d)chemical burn.

Answer: b



Q4) pupil reactivly dilated to light A)amphetamine, cociane b)opiate ,phenothiazine ,OPI C)anticholinergic

Answer: A



Q5 )Ethanol found in body after death due to:

- a)Antemortem ingestion.
- b)only in diabetic patient
- c)Postmortem fermentation.

Answer: C

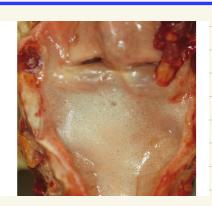
Q6: upper end of Tibia indicate
a)Bucket-handle fracture.
b)primary ossific center.

Answer: A





Answer: sure drowning



Q8: this method of identification called:

A)dental print

Answer: B

b)facial reconstruction



Q9) this image indicate:
A)incomplete Atypical Hanging
b)Atypical Hanging
c)complete typical Hanging
d)complete Atypical
Answer: b



Q1 0) Traumatic Abortion:

A)longitudinal in lower segment

b)Transverse

c)longitudinal in the fundus

Answer: C

Q1 1) - 3 people were in this building, one died, the 2nd had myocardial ischaemia and the 3rd only suffered from severe headache, what is the management?

Answer: hyperbaric oxygen for the 2nd patient

Q12: the arrows indicate:

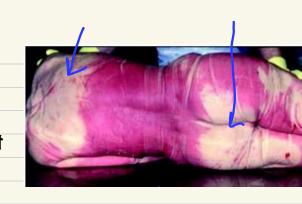
A)area of vasodilation

b)Hypostasis

c) flattened area with contact

d)Area of vasoconstriction

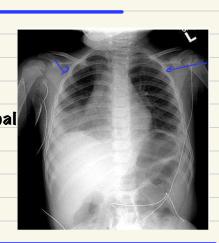
Answer: C



### Q 13

A)admission with antibiotic a oxygen
b)Admission only when symptomatic
with antibiotic a oxygen without Activated charcoal

Answer: b.



Q14) the age of female:

A)below 16

b)above 18

c)between 16 and 18

d)above 20

Answer: C

15)Patient come with this CXR with normal pupil size

what are the possible toxins??

Opiate Organophosphorus Salicylate

A) opiate, OPI

b) Opiate, Salicylate

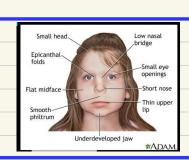
C)all of them

d)Salicylate



Q16: these symptoms indicate

Answer: Fetal Alcohol syndrome



Q17) All of the following characterstic Except:

A)it is vasculotoxic

b)mild to moderate local manifstation

c)Ptosis is common

Answer: C



## Q18) Urine alkalinazation indicated in which of these toxins



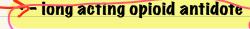




### Answer: salicylate only

### Q19) Which of the following incorrect about naloxone

- part of cocktail for coma
- · diagnostic and therapeutic for coma cause
- · may exacerbate opiate withdrawal manifestation ·
- pharmacological antagonist of opioids





### Q20) Picture indicate:

a)Pattern wound due to flexible whip b)Pattern wound due to fixed instrument like stick C)bruises due to flexi bc ble whip d)Bruises due to lived instrument like stick



Answer: A

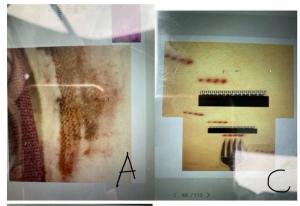
## Q21) one of the following is true about picture.

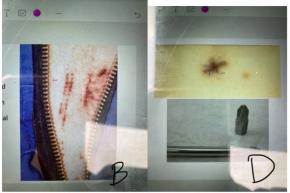
As Patent print b) latend print C) 3d print d) plastic print



### Answer: b

Q22)





All are patterned caused by blunt object AB are patterned caused by force sharp objects

# Written Questions

Write wound report.



كانت الصورة قريبة من هاي

Afemale patient come to ER with sudden onset of dyspnea and history of previous DVT ,treatment started put the patient die

...Write Death Certificate



ال toxin

كانت بنت ٢٠ سنه اخذت ٥٠ تابلت من البنادول

The historical information!!!

The most important decontamination??

Only 2 investigations should obtained in this case!!!!



صورتين firearm wounds وحده reflied مثل النجمه كانت

و الثانيه nonreflied طلب الدكتور وصف للصورتين؟؟

و طلب مسافة الإطلاق مع التوضيح!!

# Forensic

**Group B** 

• 21) which of the following is true?

A is older than B

b. B is older than A

Answer: A



....

В





• 100% oxygen with pressure



 Child abuse because multi injury from single Couse



Permanent infirmity



Mugging



Live reffiling



## which of the following cause this condition?

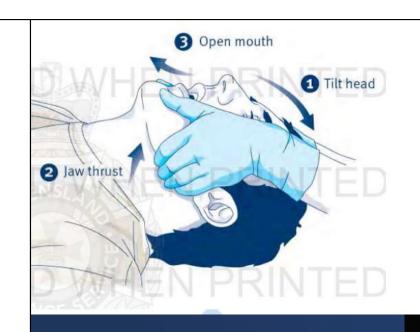
Answer:

Iron ,Paracetamol ,Alcohol ,Phosphorus



### All of this can use to treat this case ,except:

- A. oral N-Acetylcysteine
- B. IV N-Acetylcysteine
- · C. decontamination
- D. life support
- Answer: C



 Triple airway manoeuvre for Airway opening



hangging

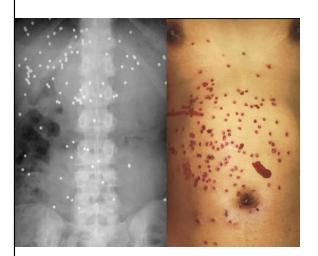


medical record



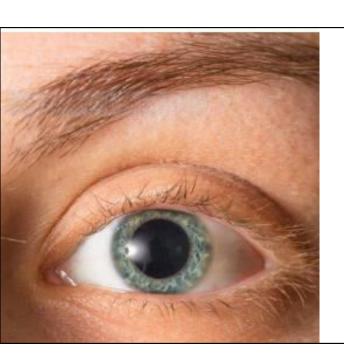


- · Sure signs of drawing
- May be drawing



### Not the same

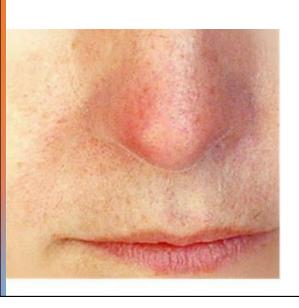
Non rifle, less than 4m



- Non reactive dilated: which of the following cause this condition?
- Anticholinergic



Patent prints



• Rhinophyma



• Hot endoscopy in 1st 24 hr



• Less than 16 صورة تقريبية للكتف والكوع)

- A patient came with .... and decreased visual acuity and Hyperemia of optic disc . What is the couse ? Methanol
- Red hypostasis ?? Co , cyanide, hypothermia





Write a wound report , بالعربي

- 10 y male with high fever, he dignosia as viral encephalitis, later spread to mid brain, coma, ventilator for 3 day and die
- death certification?



what is PM change?? what is the interval of cadaveric warmth?? hypostasis

- 33 y male who bite by snake (frank bite) and not notified it, his family membrane apply ice on site of bite then take him to ER, the doctor say that he is completely free, give him single dose of antivenom and discharge him.
- mention 2 wrong behaviour
- what is the antivenom that use in jordan??
- Why did he not show any symptoms even though the snake bit him?
- 1) give him single dose of antivenom(no symptom)/ apply ice on site of bite (cryotherapy)
- 2) polyvalent
- 3) Non-venomous viper/dry bite

## بسم الله الرحمن الرحيم ارشيف الشرعي

Done by: Eiman Alrfou & Afnan bassam

MCQ questions

- Ql. uncontrolled hyper emises gravidum indicate:
  - A. Spontanoues abortion
  - B. Theraputic abortion
- C. Illegal abortion
- D. Criminal abortion
- Q2. Which one of the follwing is true about this picture:
- A. Acute alchol intoxication
- B. Rinorrhea
- C. Rhinophyma

Answer: C

Answer: B



Q3. The patient in this picture has a "snake bite" all of the follwing measure can

do except:

A.apply ice on the site of bite

B. Immoblize the injured part of the body



C. Fashion a splint out of any rigid object

D.avoid walking at the site of injury

Answar: A

- Q4. The following manifestaion caused by:
- A. Bite from copra
- B. Bite by palestinian snake
- C. Bite frome the viperidae familiy
- D. Caused vasculotoxic effect mostly



Answar: A

- Q5. Which of the follwing about this device true:
- A. Used in paient with co2 toxicity
- B. Used when level of oxygen below 10%
- C. Used 100% oxygen at normal atmospheric pressur
- D. 100% oxygen indicated in pregnancy, coma and myocardial ischemia



Answar: D

- Q6. Case study about methanol ...... which of the follwing drug not indicated In methanol toxicty:
- A. Hemodialysis
- B. 4 metyl pyrazole

- C. Ethanol
- D. Sodium bicarbonate

Answar: E

E. calcium gluconate

- Q7. One of following is mostly true:
- A. Used in malathion before 48 hour
- B. Used in malathaion and carbamate
- C. Used in malathion after 48 hour
- D. Used in carbamate before 48 hour



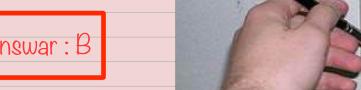
Answar: A

- Q8. One of the following is true about picture:
- A. Patent print
- B. Latent print
- C. 3d print

D. Plastic print

Answar : B

Answar : D



- Q9. The method of identification used in this picture:
- A. Dental identification
- B.age estimation
- C. X ray

D. Medical record





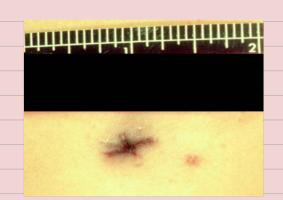
Q 10. This injury most likley considred:

A. Pentrating wound

B. Transfixing wound

C. Perforating wound

D. Pattern wound



QII. Chose the correct answar:

A. immersion, froth, strangulation

B. Drowning, froth, strangulation

C. Immersion, froth, hanging

D. Drowning, froth, hanging

Answar : A



Answar: D







B

Answar : B

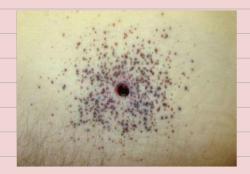
Q 12. The distance of this firearm injury:

A. Less than 6 m

B. Less than 1 m

C. Less than 6 Km

D. More than 3 m



- Q13. This effect mostly due to:
- A. Simpel blunt object
- B. Simpel sharp object
- C. Dangerous blunt object
- D.fatal blunt object



Answar: C

- Q 14. This picture show "cadaveric sign" the estimated time of death:
- A. More than 8 hour
- B. Less than 6 hour
- C. More than 36 hour
- D. Less than 3 hour earliy

Answar: D



Q 15. Chose the correct answar:

Early changse on eyes postmortem

**Tache noire**: where the sclera remains exposed to air, two black triangular spots appear at each side of the cornea (due to drying).





Q 16. Choose the most correct answar

Steroid can be used



## Essay questions

Arabic questions

كَتَابِهَ تَقْرِيرِ اصَابِهَ أُولِي:

One cut wound in face by sharp object

السؤال الأول

Ulip mælcö eélő:

السؤال الثاني

44 old female come to hospital suffer from dyspepsia and heart burn was diagnosed

Peptic Dodenal ulcer after adimtion she developed pertonitis and septicemia after this she died

English questions

## The first question

Identification the type of injury into accedental and non accedental, justify your answar



Non accedntal, multipel ciggrate burn injury from singel cause

A



Non accedental, avvulsion of frenulum due to direct blow to childs mouth

B



Non accedntal, no splash mark sharply demarcated burn margin

C



<mark>ملاحظة</mark>: ما اجت هاي الصورة حررفي بس قريبة منها وبنفس المبيأ

Accedental, splash mark, atypical margin

0

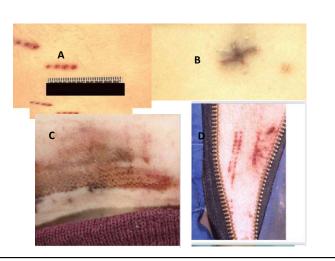
## The second question

Case study about pateint come to hospital with paracetamol toxicity after three hour

Write: Most effective method of decontamination Sighns and symptoms
Antidote used and root of admnistration

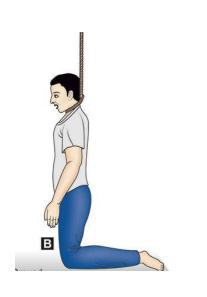
## Forensic

- a) All blunt
- b) All blunt except d
- c) All patterned
- d) All patterned except a



صورة تقريبية بس ما كانوا كل رجليه عالارض كانوا يا دوب الاصابع

Typical incomplete hanging



All these pic represent to: السؤال عليه خلاف باعتبار انه A not sure sign

- a) All Sure signs of drowning
- b) Sure signs of drowning except a





a) Medical record

- b) Visual ID
- c) Social status
- d) dental ID
- e) Congenital anomalies



Patent prints
Latent prints
Plastic prints



We do this to open airway



- a) Need LFT + NAC
- b) LFT is enough
- c) NAC is enough

الدكتور مرة حكى انه NAC شو ما تأخرنا ممكن انه نعطيه



He died when he was on back

**Supine position** 



Pt came to ER with snake bite with no local or systemic manifestation what you will do:

- Nothing
- 3-5 vials
- 5-10 vials
- 10-150vials

Fetal causes which indicate abortion consider as:

- Spontaneous abortion
- Induced abortion
- Therapeutic abortion
- Criminal abortion

Percent of alcohol in Jordan

- 0.08%
- 0.05%
- 0.02%
- 0.01%

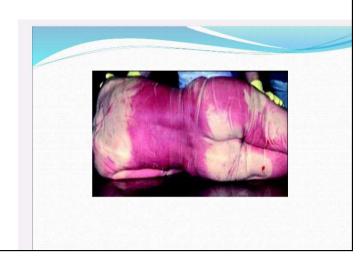
What you can do:

a)Analgesia
b)Emesis

c) Gastric lavage d)AC



Hypostasis due to death at cold or cyanide toxicity



a) Smooth weapon, more than 4m

b) Smooth weapon, Less than 4m



First line of treatment 100%o2



All of them are related to child abuse except:

Α

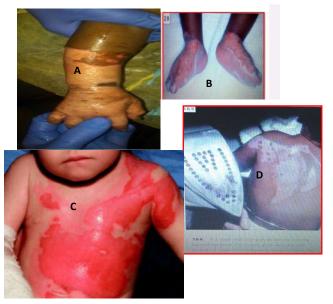
В

C

D

مش بالزبط كانت الصور هاي كلها بس الاجابة كانت قريبة من الصورة

C



### SHAKEN BABY SYNDROME

- a) characterized by retinal, subdural just
- b) characterized by retinal, subdural ± subarachnoid hemorrhages
- c) characterized by retinal, subdural ± subarachnoid hemorrhages and fracture

### كانت الصور اوضح

- a) Emesis is contraindicated in all cases except D: organophosphorus
- b) Emesis is contraindicated in all
- c) Emesis is contraindicated in all cases except A
- d) Emesis is contraindicated in all cases except B
- e) Emesis is contraindicated in all cases except C





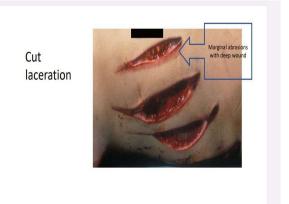




- a) Active ,Rifled weapons
- b) empty Rifled weapons
- c) Active ,non Rifled weapons
- d) empty non Rifled weapons



كان في زي هذا الجرح بالوجة



Case:Flush , non reactive dilated pupil :

- a) Organophosphorus
- b) alcohol
- c) atropine

One is false :MISMATCHING

**COBRA:** central respiratory failure

كانه هيك كان الخيار بس باقي الخيارات الصحيحة كانت واضحه ف بالاستثناء ممكن



1-Injury report: Multiple bruising at the left side chest above nipple

2-Identification: boy age more than 18 less than 20 based on the distal part of metacarpal and distal end of radius and ulna

> جاب صورة كان بدها تدقيق وكان في فرعين \*كم العمر المتوقع مع التبرير \*في اي محكمه سيحاكم المتهم

Case presented with clinical pic of OP: Toxicology: organophosphorus poisonous
ما كان معطينا نوع السم بس معطينا الاعراض

- 1. Toxidrom
- ans: organophosphorus poisonous
- 2. decontamination
- 3.antidote

death certificate

DM & obesity presented with

chest pain

MI and death

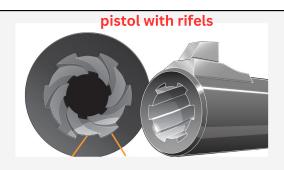


1

mirearms سؤال من محاضرة ال Which of the following is correct ?

- 1. A can be used with this type of this weapon ✓
- 2. B can be used with this type of this weapon

ما كان هيك حرفي بس هيك فكرته



4







2

What signs of this drug after 36 hours?

- a. Anorexia, nausea, vomiting, malaise
- b. Fulminant hepatic failure
- c. Kidney failure ?
- d. ECG changes
- e. Free of symptoms

احترت فيه و ما عرفت الصح



3

Which of the following false about organophosphorus and carbamate?

- a. Both treated with oximes <
- b. Both treated with atropine
- c. Can't give atropine as antidote for both

which can't be determined in ID from this x ray:

Ear print 🗸

Frontal sinus.
Sella tursica.
Skull suture pattern vascular grooves.



5

Which of the following is true?

- 1. A is atypical hanging and b is typical hanging 🗸
- 2. B is atypical hanging and A is typical hanging
- 3. Both typical

Α

В





6

About poisoning from these sources what is true?

treated by hyperbaric O2

### SOURCES OF CARBON MONOXIDE IN A HOME

















Disulfiram used for?

- a. acute alcoholic
- b. Chronic alcoholism
- c. Alcohol dependence

??

Prostaglandin

Poison

**Ecbolic** 

**Drastic purgative** 

**Contraceptive** 

9

Alcometer used to measure?

- a. ethanol in breath
- b. ethanol metabolites in breath
- c. Methanol in breath
- b. Methyl metabolites in breath
- e. Ethanol in saliva



10

#### Which is true?

- 1. Bucket handle fracture happens only in non-accidental injury
- 2. Bucket handle fracture happens only in accidental injury
- 3. Bucket handle fracture happens in both accidental & non-accidental injury

11

### Molecular death?

- a. Period of time between clinical death and brainstem death
- b. Period of time between molecular death and brainstem death?
- c. Period of time between intrauterine life until death

a. Most common in Jordan is viper 🗸

13

This used for?

- a. Salicylate, anti-depressant, barbiturates
- b. Acidification
- c. Alkalines
- d. Forced diuretices



14

Child drink corrosive و كان حاط صورته ، Which of the following is true as investigation early at first 6 hours ..

- a. Endoscopy
- b.emesis is contraindicated due to duration
- c.emesis is contraindicated due to perforation
- d. Gastric lavage contraindicated due to perforation
- e. Gastric lavage contraindicated due to aspiration

15

**Smothering** 



Finger sweep



17

#### For this case:

- A. Antivenom indication
- B. No investigations needed
- C. Antivenom for systemic mainfestations
- D. Antivenom for systemic and local mainfestations

مش نفس الصورة بتشبهها بس بالرجل كانت



1-name of sign & if the position fixed what is the time interval?

hypostasis, 2-8 hours?

2-name of toxic that cause it:

1-co poisoning

2-cyanide poisoning

3-hypothermia



كيس وكان معه tachycardia وانه كان برش حوالين الدار اشي زي هيك كان طالب الtoxidrome ؟؟ باشرح سبب البtachy؟ واشرح سبب ال antidote وشو الantidote الي بزبط على ?? nicotinic receptor

a. Cholinergic toxidrome

b. preganglionic sympathetic انه بشغل على ال

c. Oximes

**Death certificate** 

patient with prostatic cancer, has liver cancer which enlarge and make pressure on hepatic veins the esophageal veins, with high pressure it perforate and bleeding, the patient dead...

#### **Wound report**

الصورة كانت لشخص كل وجهه كدمات و نكتب report 😇



### 1. Picture about a burned child

### The answer is intentional scald burn



## 2.a picture about viper snake bite

وكان بده الخطأ كلهم كانوا تقريبا صح بس العضه ما كانت منتشره كثير لهيك حطيناها coagulation profile is mandatory



## 3.pictures about signs of immersion









# 4. Throttling



## 5.fixed knot, running noose



# 6.جاب اعراض methanol overdos

رجاب سؤال عن وحده دخلت er وكان عندها اعراض زي ال vomiting,gagging, coughing, tachypnia (kerosene) شو الماده اللي شربتها

# 8.جاب عن هاد الجدول تاع ال abortion

Traumatic rupture of uterus (in criminal abortion)	Rupture of uterus due to obstructed labour	Pathologic rupture of uterus
rupture is usually	-The site of rupture is in the lower segment.	rupture is
-It is longitudinal and taking the shape of instrument.	-It is transverse	-There are degenerative changes in uterine muscles .

9.



Numerous patterned injuries produced by an electrical cord "loop" that was used as a "whip." Notice that some of the marks have a "tram-track" appearance

10.كان بحكي شو الاشي الصح بالخيارات التاليه الجواب:

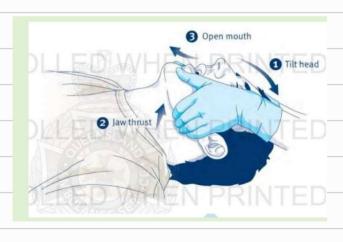
Priapism is sustained erection of the penis after a scorpion sting



# 12.the causes of this picture (Co, CN, cold exposure)



# 13.To open the airway



14. طفل صغير اجا بعد تقريبا 4 ايام وكان يعاني من الم حاد بعد شربه ماده حارقه شو بعمله بس بعطيه steroids



15.Closed disaster

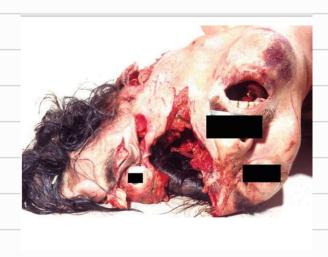


16.tache noir

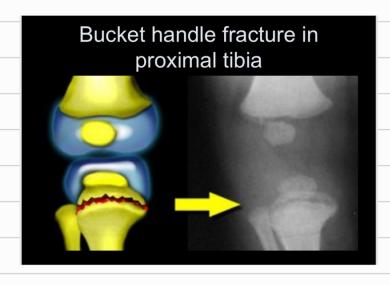


# identification السؤال انه شو الاشي اللي مارح ويكون واضح ب.17

# (Visual identification)



18.



## 19. Below 23y.o



20.كان جايب اكثر من صوره ومن ضمنهم هاي الصوره وحكا شو اللي ممكن اعمله emesis ، كلهم ما بقدر اعمالهم ( كاز، وكلور، اداه حادة ) الاorganophosphorus



pin-pointed pupils عمل يعمل.22.

- 1. Pin-pointed: with opiates, OPI, phenothiazines and pontine lesions.
- 2. Reactive dilated: with sympathomimetics (amphetamine, cocaine).
- 3. Non reactive dilated: occurs with anticholinergics.

E Boonirotom ovotom

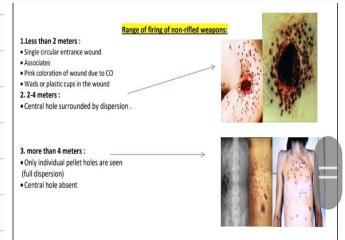
# 23.جاب سؤال شو الغلط بالخيارات وكان الخطأ انه

### We use oximes with carbamate

# written Questions

سؤال عن firearm صورتين كالتالي والأسئلة عليهم 1. فرق بينهم واكتب خصائص الصورتين 2. المسافه المحتملة عند كل صورة





سؤال عن wond report وكان عباره عن cut wond بالوجه

# سؤال toxicology عن ال

و الاسئله كالآتي : شو اهم سؤال ممكن اسئله للمريضه؟ اكيد وقت اخذ الدواء

شو اهم فحصین بعملهم؟ IFT, KFT

antidotes and type of administration واكتب ال	
death certificate سؤال عن	

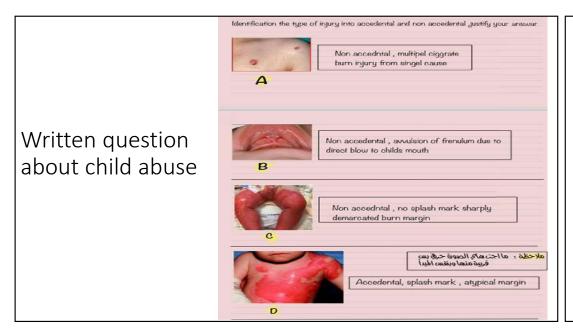
# Mini osce forensic wateen 2024

Group 3

#### Written questions

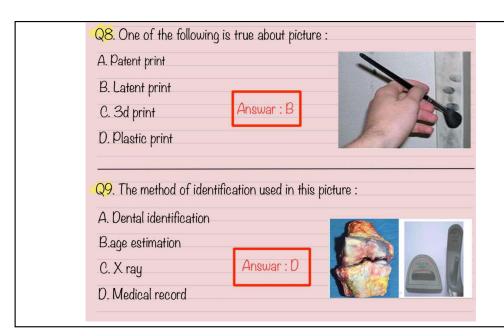
- Arabic questions
- سؤال عن كتابه تقرير لجرح رضي متهتك فوق □ العين منطقة الحاجب و مع نزيف في الجفن العلوي للعين البمني
- تقرير الوفاة 🗖
- Patient complained of epigastric pain, had peritonitis then developed septicemia and died.
  - سبب الوفاه هبوط حاد في الدورة الدمويه ناتج عن تسمم الدم البكتيري الناتج عن التهاب الغشاء البريتوني

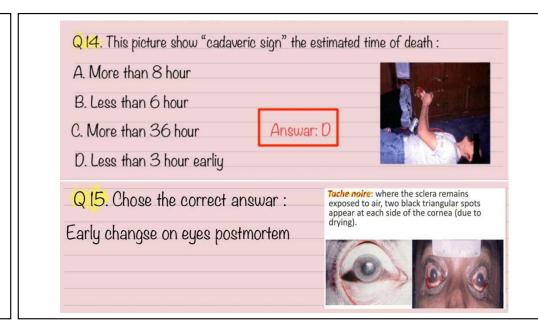
- English questions
- ☐ About paracetamol toxicity,
- 1- gastric decontamination methods from most effective to least
- 2- the name of the nomogram used to assess the treatment3- what are the patient symptoms the next day





سؤال عن الجهاز كان عدة خيارات والجواب كان 100% oxygen with pressure three times the atmospheric pressure





### **MCQs**

Animal poisoning

سؤال كان عدة معلومات عامه عن الافاعي اللي فالاردن و كانت الاجابة أغلب الأفاعي في الاردن غير سامة

- distance of firearm
- m كان الجواب الصح 2-4
- diminished visual acuty & blidness وصار معها anti -freaz مريضة شربت
   Methanol الجواب
- Abortion

سؤال في اول ٣ شهور ايش ممكن يكون دواعي الاجهاض

الجواب ممكن يكون Therapeutic or spontaneous or criminal

• في صورتين و مين فيهم Rifled and non rifled كان في سؤال عن الnaloxon •

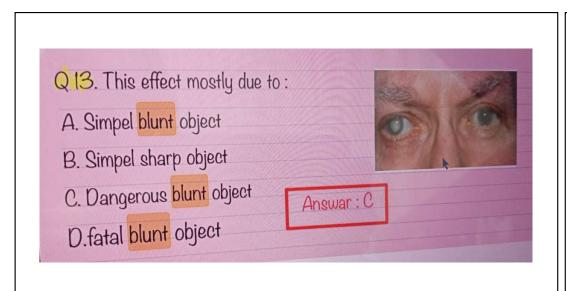
Methanol through saliva

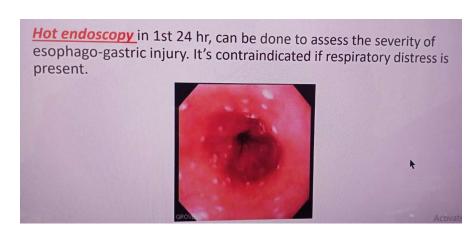
في سؤال جابوا صورة للعين و كانت متوسعة و بالسؤال حاكيين لو حطينا ضو Light reflex • وأقينا

فأي الأدوية بتسوي هيك و من الخيارات Amphetamine and atropine Cocaine amphetamine atropine الجواب كان

Alcohol سؤال عن اسم الجهاز الي بقيس النسبة عن طريق التنفس الخيار ات كانت انها بتقيس الخيار ات كانت انها بتقيس Ethanol through saliva
 Ethanol through breath
 Ethanol metabolite through breath
 Methanol through breath







كان السؤال بسأل عن اسم الطريقه و كم المدة

#### أرشيف المجوعة الأخيرة وتين ٢٠٢٤



#### Rhinophyma



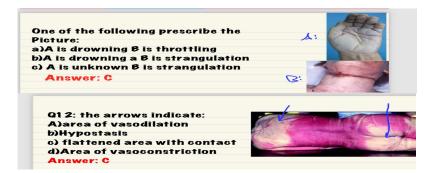
B. Used when level of oxygen below 10% C. Used 100% oxygen at normal atmospheric

D. 100% oxygen indicated in pregnancy ,coma and

pressur

myocardial ischemia

# Q8: this method of identification called: A)dental print Answer: 8 b)facial reconstruction



#we can identify it by : dental medical visual frontal sinuses

all true all false all true except 3 all true except 1 all false except 1



# knee joint fused a 15 year old female got raped by an assailant انه هاي ركبته he's below 18 no execution he's below 16 no execution he's above 21 with execution he's above 19 with execution



#### #ossific centers can be seen in autopsy and radio



#according to air embolism:

- -this injury cannot cause venous embolism
- -The minimum amount of air to cause air
- embolism is 60 ml. -can't happen at this site



بتشبه هاي# Distance of firing ?



#Abortifacient pills: mifepristone+misoprostol مش pills مش pills

#
cadavric contraction
cadavric spasm
rigor mortis



#cold cadaver time? 8-24h #farmer spilled insecticide on ungloved hand after 3 hours came to the hospital

symptoms وكان عنده كثير

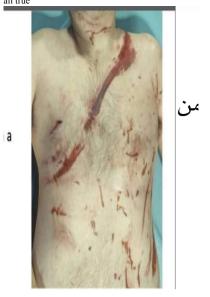
wash his hand(الجواب من د ميلاد)

oxime before atropine

#هاي شو سببها من ضمن الصور هاي الطلقه و سكينه و حديده غير مدببه



#patterned new injury blunt a.m الجواب all true



4 صور وشو سبب كل وحده # throttling,hanging, choking, unknown (كانت صوره peeling) كانت صوره wigel كان في خيارات فيها sure sign antibiotic

#### الاسئلة الكتابية

- 1)death certificate
- a 56 year old female was complaining from abdominal pain she was diagnosed with peritonitis, after admission she had septicaemia and died





#### 3)toxicology case

female took paracetamol overdose 3 hours prior coming to hospital +had multiple episodes of emsis in

30 min what is the effective way of decontamination? after 24 hours what symptoms will she develop? when is the best time to give her the antidote?

