

# *CHATURA PLANT*





Male Mandible

Female Hum

*CANNABIS INDICA* PLANT.



ROLL NO. 266 - 3RD YEAR

**Tobacco**





# *SEMICARPUS ANACARDIUM*



*ROLL NO: 257, 3RD YEAR.*

5 Model of Arm & Hand Showing Aquatic  
Vegetation Clenched in hand Condition



# Cyanide Poisoning

CAUSES

BITTER ALMOND

KERNELS OF

TOGRAPHY



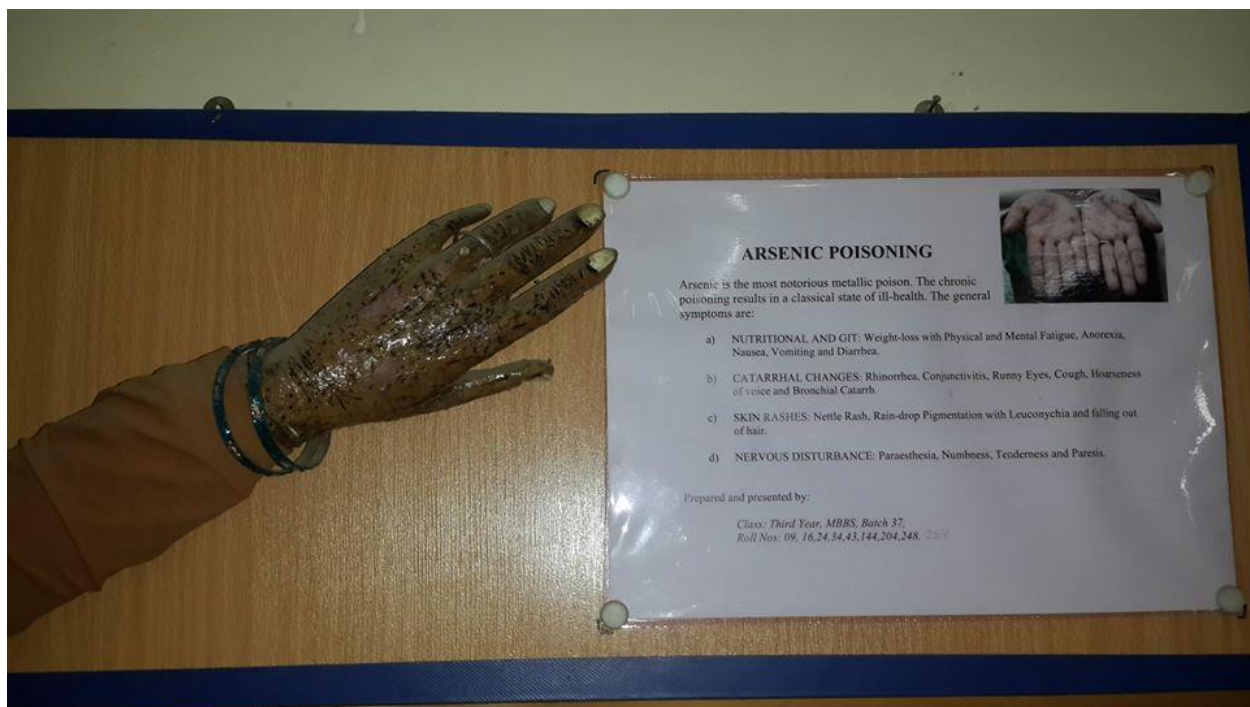
Neil Heywood (20 October 1970 - 1971) was a British businessman who worked in China. He was associated with the former Chinese Communist Party (CCP) Comintern. Heywood was found in his hotel room, 26 hours after his death. The cause of death was given as a poisoning. There was no autopsy and he was cremated days later. Questions were raised later as to why his family describing him as "a teetotaler". An internal Chinese report confirmed that Heywood had died from potassium cyanide added to his drink.

Alan Mathison Turing



On 8 June 1954, Turing's death was reported as having been the result of a self-inflicted cyanide poisoning.









**roform**

**Dose: Oral 30ml,**

**Hydorchloric Acid**

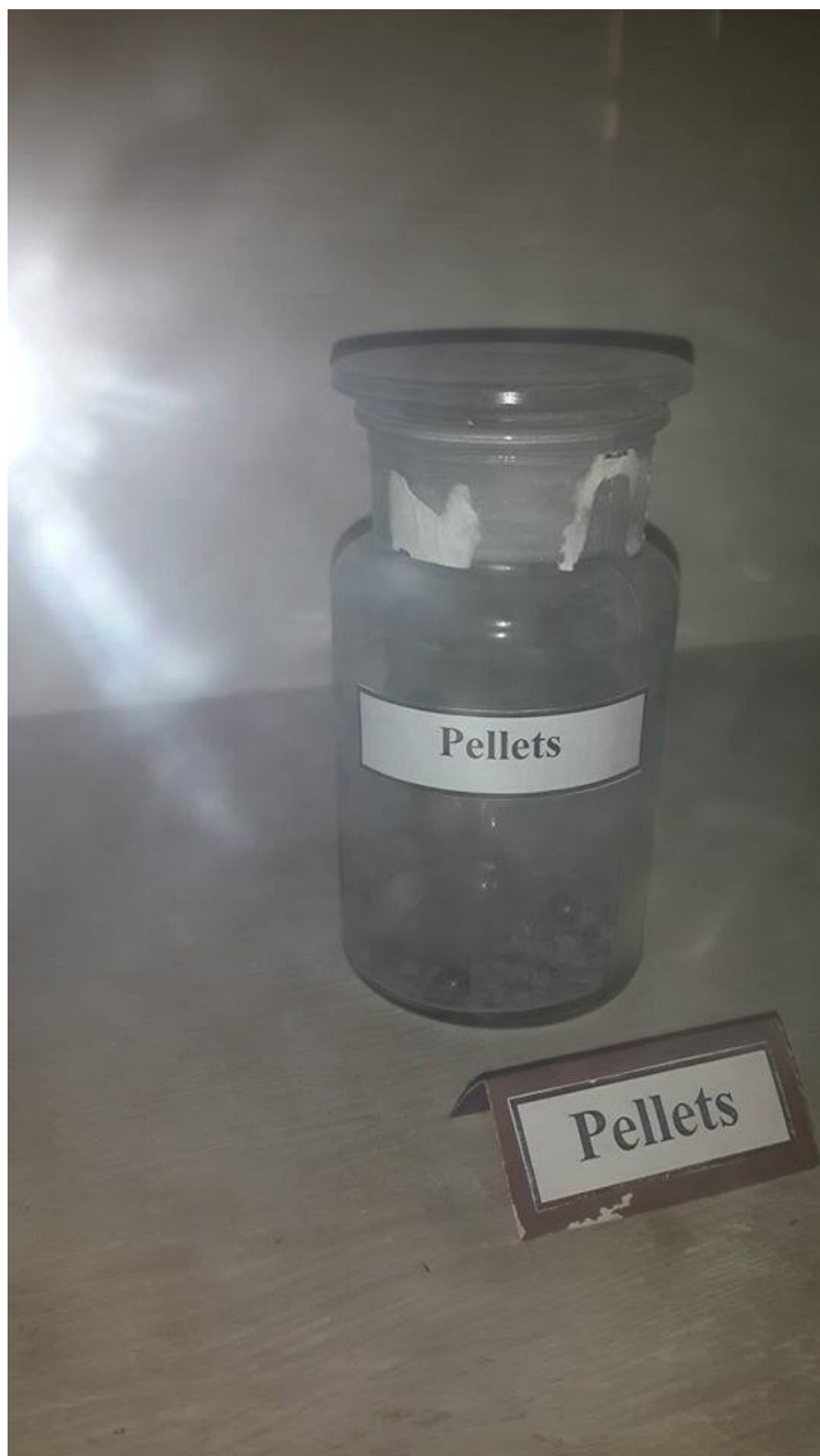
**Synonym: Spirit of salts**

**Fatal Dose: 20 to 30ml**

**Sulphu**

**Synonym**

**Fatal Dos**

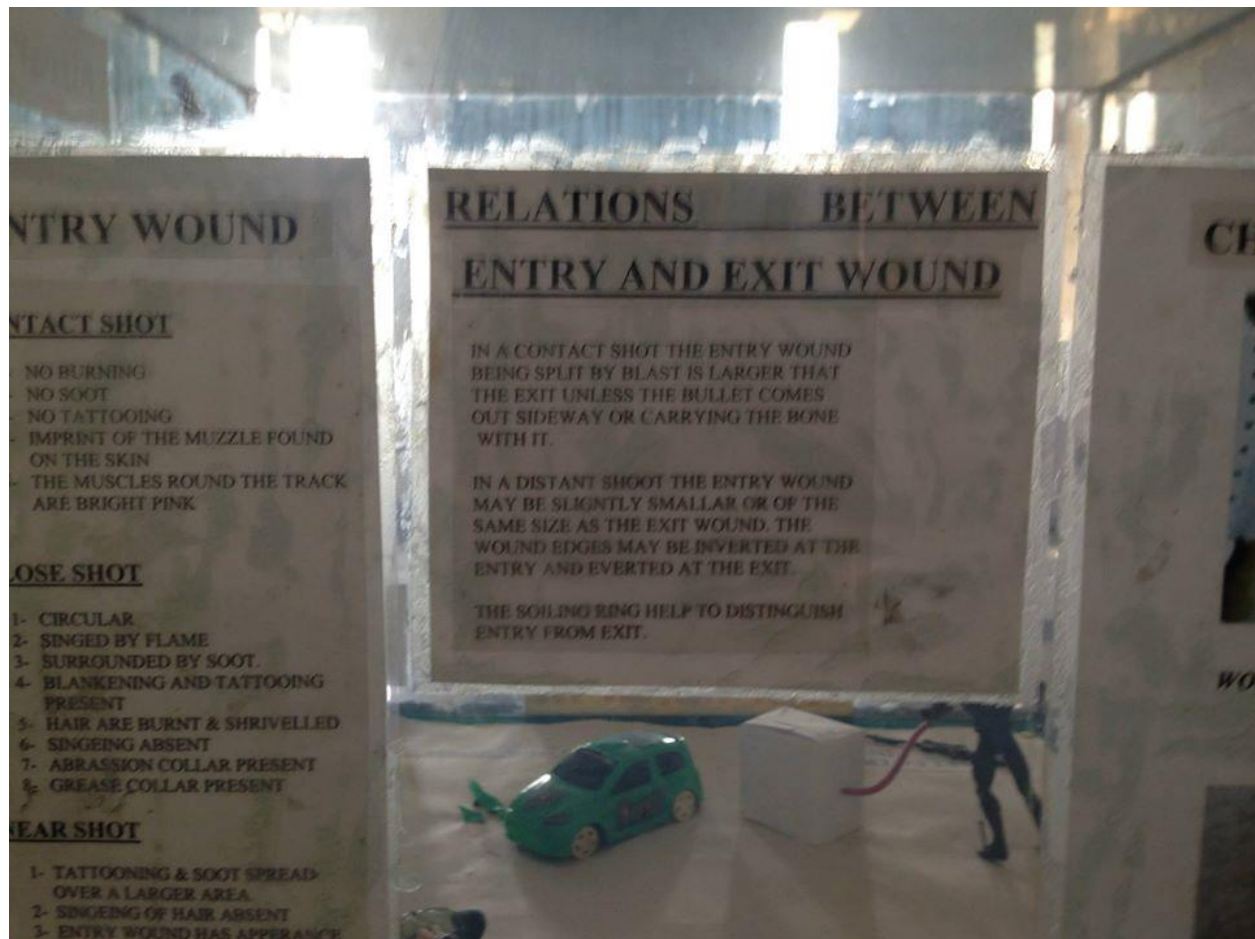






17. Model of back of human body showing a  
Circular Wound Split from within Outwards  
with Averted Irregular Edges: Wound of Exit







## Self Loaders

**Type:** Single-action short-recoil operated autoloader

**Caliber:** 9mm

**Capacity:** 13+1

**Barrel:** 5"

**Length:** 7.8"

**Weight:** 32 ounces

**Sights:** Fixed blade in front; rear sights vary by model and year of manufacture

**Finish:** Over the years, the available finishes have included matte blue, gloss blue, nickel, parkerized, and stainless steel.

The Browning P-35, or "Hi-Power" as it is usually known in the US, has been the standard military sidearm for more than fifty different nations since its introduction. The design is similar to John Browning's earlier masterpiece, the Colt model 1911, but features some simplifications to the breech locking mechanism and does not incorporate a grip safety.



Llama Micro-Max



FN Hi-Power

**BORE (GAUGE, CALIBRE)**

0.44"

**BORE**

0.32"

0.32"

0.32"

**BORE**

5mm

0.30"

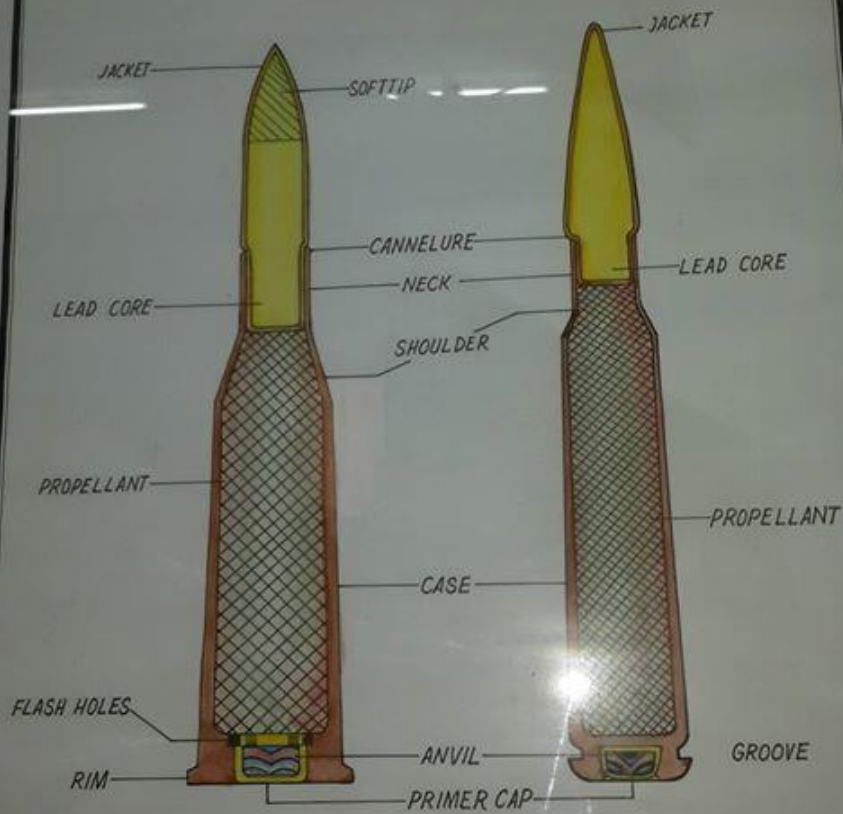


48.

Model of hand showing a Longitudinal  
bizarre (Erratic) wound  
with a deep laceration of Tissues and  
inner aspect of  
ASH



# RIMMED AND RIMLESS (GROOVED) RIFLE CARTRIDGES WITH JACKETED BULLETS





# METHODS OF ABORTION



ORAL  
SUBSTANCES

QUININE  
ERGOT  
LEAD  
OESTROGENS  
HERBALS  
PURGES ETC. ETC.

EXTERNAL  
METHODS

PHYSICAL VIOLENCE  
STRENUOUS EXERCISE

INJECTIONS

PITUITARY EXTRACT (I.M.)  
INTRA-UTERINE SALINE

LOCAL  
IRRITANTS

VAGINAL DOUCHING  
POTASSIUM PERMANGANATE  
UTUS-PASTE ETC.

INSTRUMENTAL  
METHODS

HIGGINSON SYRINGE  
LAMINARIA TENTS  
SLIPPY ELM  
CURETTAGE  
PENETRATING INSTRUMENTS  
DILATORS  
CARBONIC SEPARATION

ROLL NO. 110 3RD YEAR



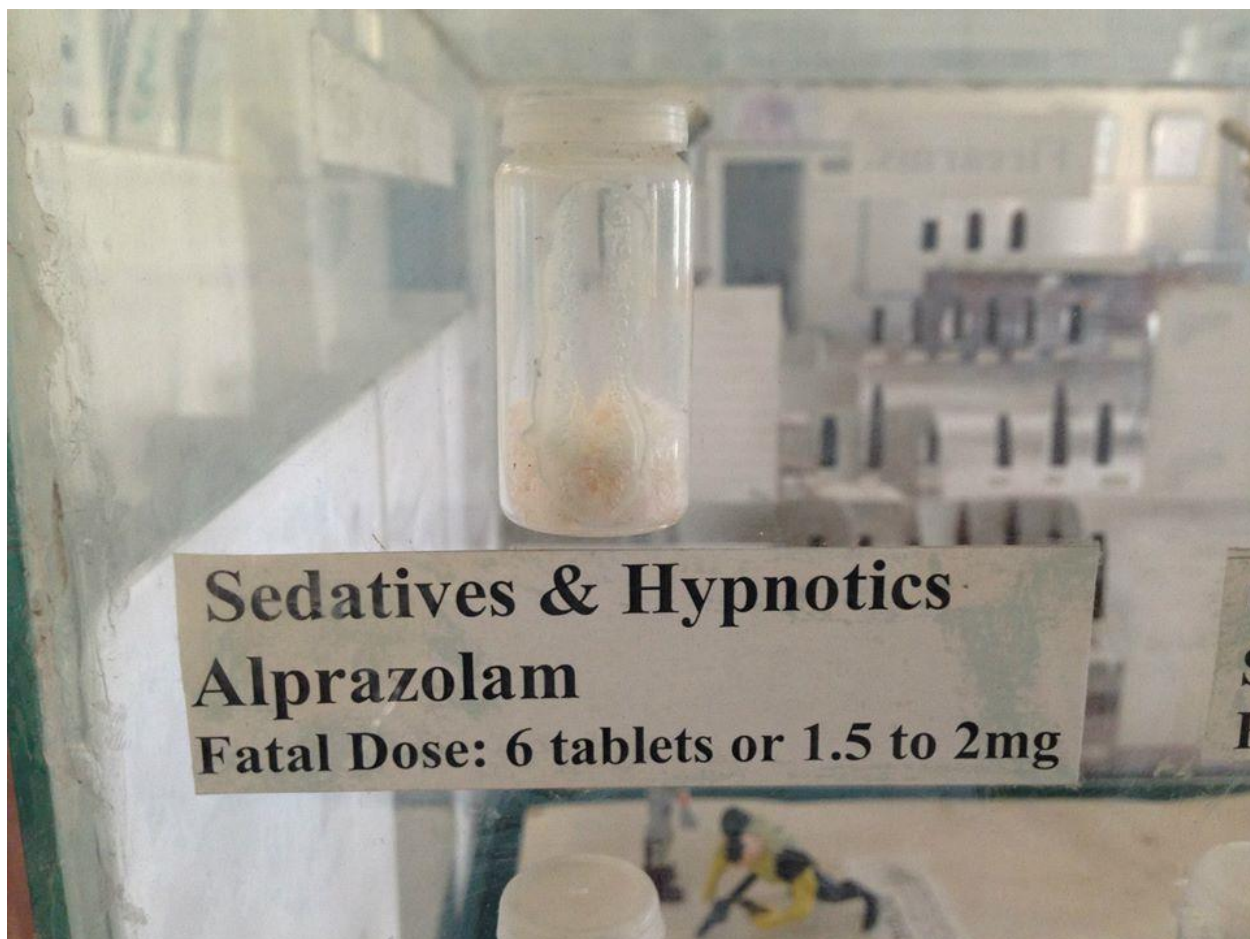




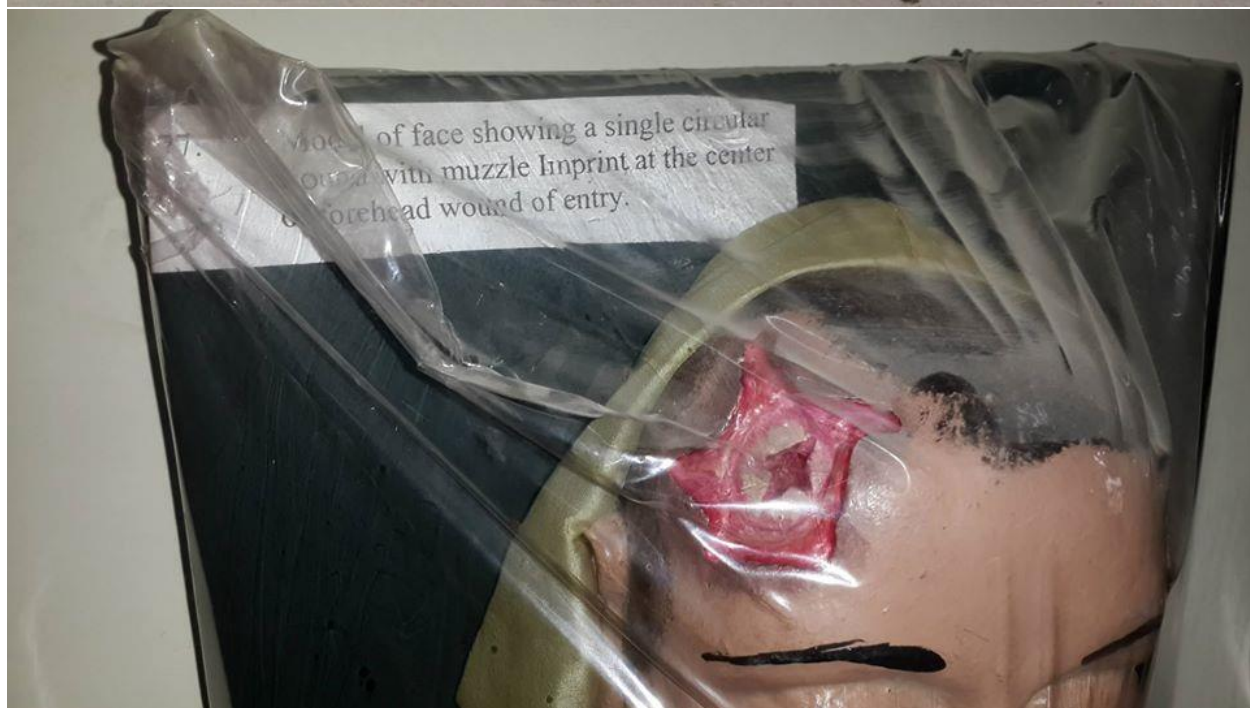








**Sedatives & Hypnotics**  
**Alprazolam**  
**Fatal Dose: 6 tablets or 1.5 to 2mg**





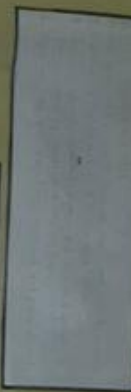




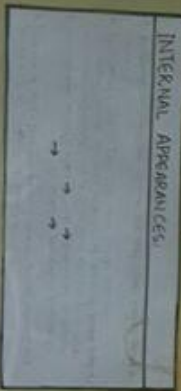


# FRESH WATER DROWNING

EXTERNAL APPEARANCES:



INTERNAL APPEARANCES:



Dr. Rizwana Qayyum

01.60.62.90

121.141.267

RMC-37 BATCH: B-1

DIAGNOSTIC TEST



## SEQUENCE OF EVENTS



19. Model of back of human being showing  
Multiple small Wounds Produced by the  
Hitting of Pellets of a gum shot Cartridge  
Bruising Around The Pellets in the  
GUN ENTRY WOUND





30ml of 25% conc.

**Chloroform**

Fatal Dose: Oral 30ml,

**Hydorchl**

Synonym: Sp

Fatal Dose: 2





# AGE OF A BRUISE

THE AGE OF BRUISE ON THE BASIS OF COLOUR CHANGES  
IS AS FOLLOWS:

COLOUR (OF BRUISE)	AGE (OF BRUISE)
RED (HAEMOGLOBIN)	THE BRUISE IS FRESH
BLUE (DEOXYHAEMOGLOBIN)	ONE DAY
BLuish BLACK TO BROWN (HAEMATIDIN)	TWO TO FOUR DAYS
GREEN (HAEMATOIDIN)	FIVE TO SEVEN DAYS
YELLOW (BILIRUBIN)	SEVEN TO TEN DAYS
FADING OF YELLOW COLOUR TO NORMAL SKIN COLOUR (PIGMENTS REMOVED BY PHAGOCYTES).	FOURTEEN TO FIFTEEN DAYS

ASADULLAH ASLAM  
3rd Year, MBBS. Roll No. 117





## Shotguns

Mossberg Model 500 (Left Image)

Mossberg Model 500A "Cruiser" (Right Image)

Image file size (right image): 6 kilobytes

Image file size (left image): 53 kilobytes



Mossberg Model 500

Type: Hammerless pump-action police shotgun

Bore: 12ga.

Capacity: Eight 2.75" shells, or seven 3" shells, in tubular magazine

Barrel: 20"

Length: 29"

Weight: 7 pounds

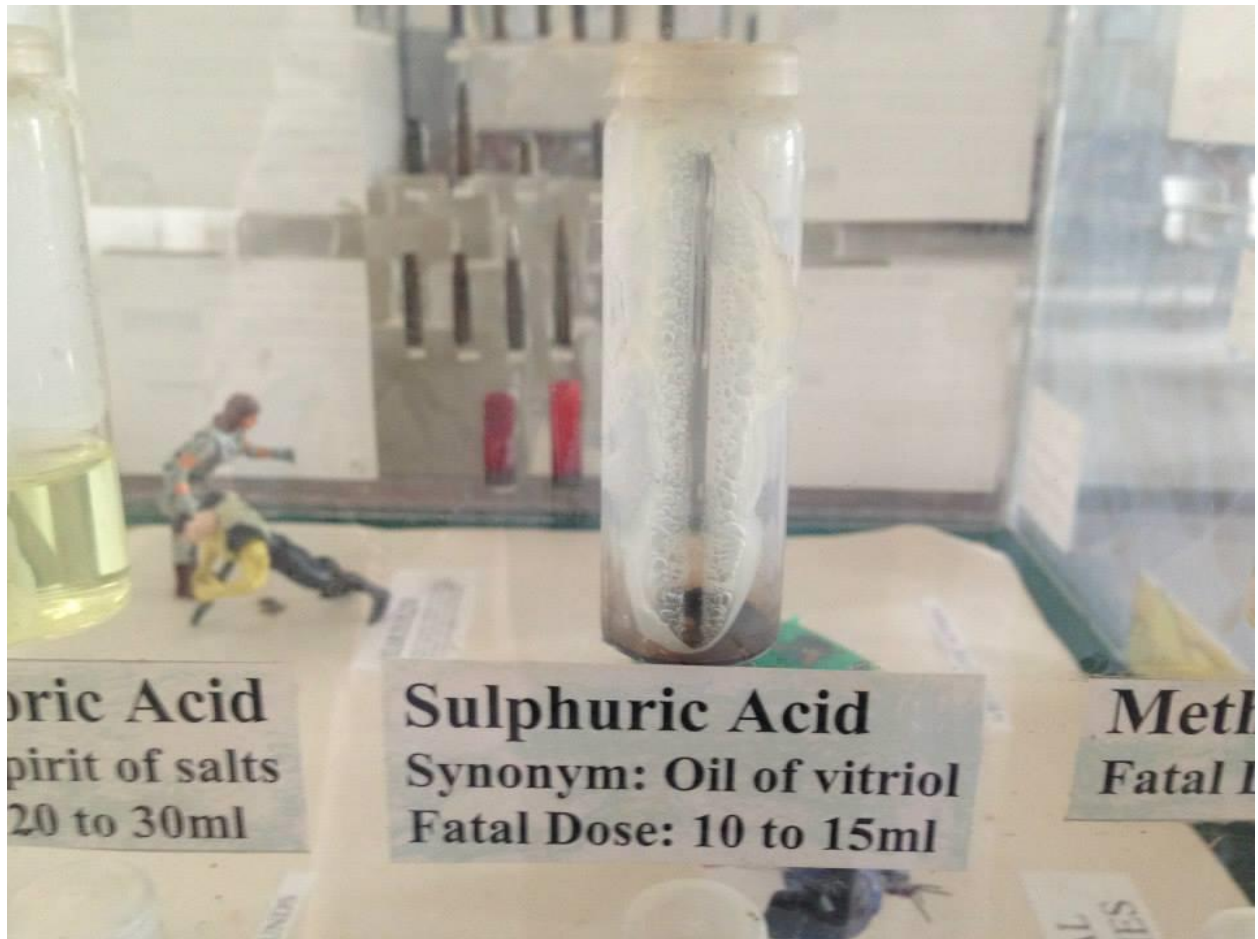
Sights: Bead front sight

Finish: Blued

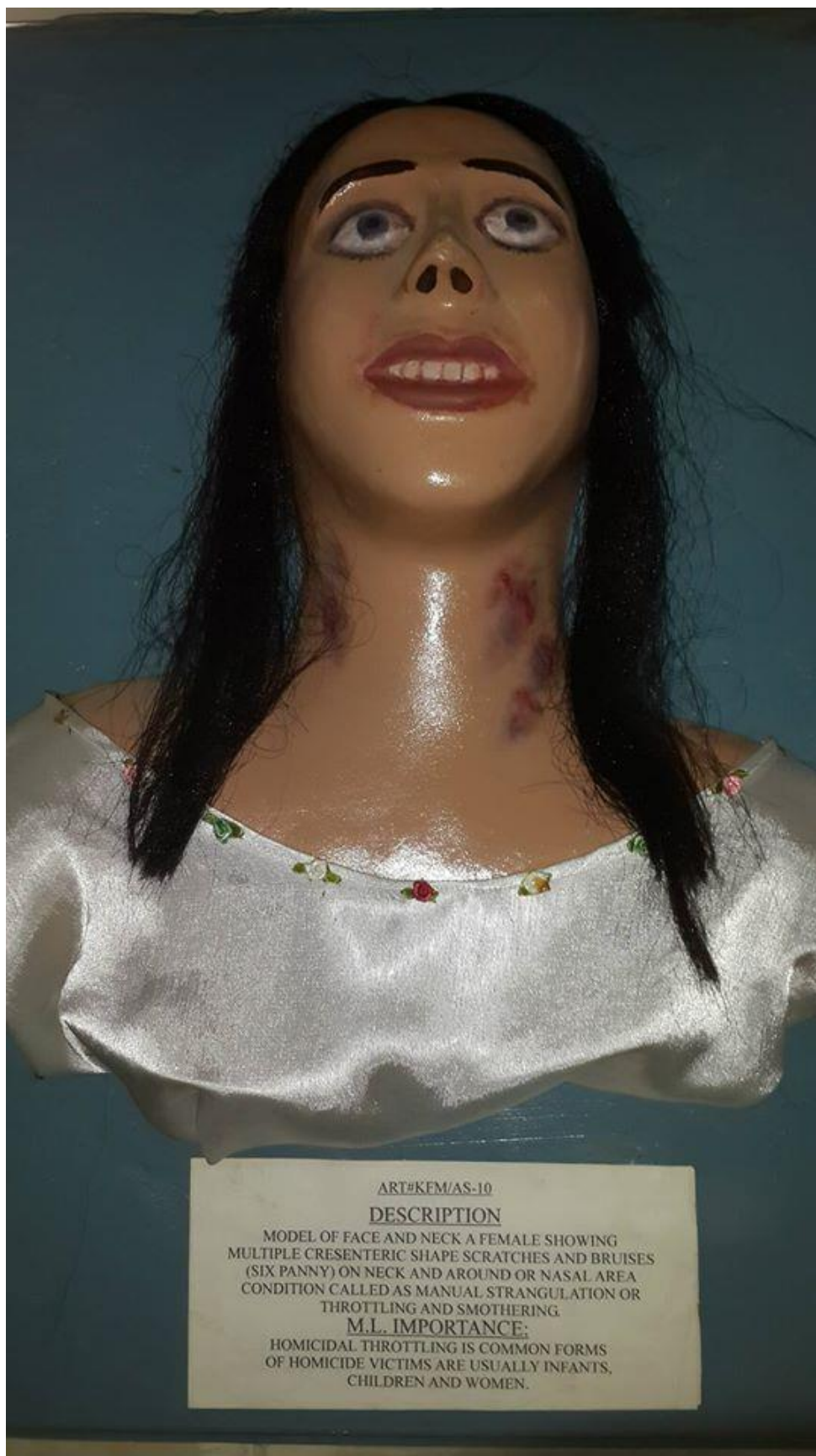


Ithaca









ART#KEM/AS-10

DESCRIPTION

MODEL OF FACE AND NECK A FEMALE SHOWING  
MULTIPLE CRESENERIC SHAPE SCRATCHES AND BRUISES  
(SIX PANNY) ON NECK AND AROUND OR NASAL AREA  
CONDITION CALLED AS MANUAL STRANGULATION OR  
THROTTLING AND SMOTHERING.

M.L. IMPORTANCE:

HOMICIDAL THROTTLING IS COMMON FORMS  
OF HOMICIDE VICTIMS ARE USUALLY INFANTS,  
CHILDREN AND WOMEN.







# BLOOD ALCOHOL IN RELATION TO ALCOHOL CONSUMED

AMOUNT OF ETHYL ALCOHOL PER 100 ml OF BLOOD	AMOUNT OF ETHYL ALCOHOL IN A MAN OF 70 kg	MINIMUM AMOUNT OF LIQUOR CONSUMED			TIME REQUIRED FOR COMPLETE REMOVAL OF ALCOHOL FROM BODY
		WHISKY 40%	WINE 16%	BEER 3.28%	
50 mg	26 ml	68 ml	172 ml	0.8 Lit.	2.5 Hours
100 mg	53 ml	136 ml	344 ml	1.6 Lit.	5 Hours
200 mg	106 ml	275 ml	688 ml	3.2 Lit.	10.5 Hours
300 mg	159 ml	411 ml	933 ml	4.8 Lit.	16 Hours
400 mg	212 ml	550 ml	1.38 Lit.	6.4 Lit.	21 Hours
500 mg	264 ml	687 ml	1.62 Lit.	8.0 Lit.	26.5 Hours
600 mg	318 ml	825 ml	1.87	9.6 Lit.	32 Hours

MUHAMMAD SULEMAN AJMAL  
ROLL No. 166

**CANNABIS INDICA PLANT**



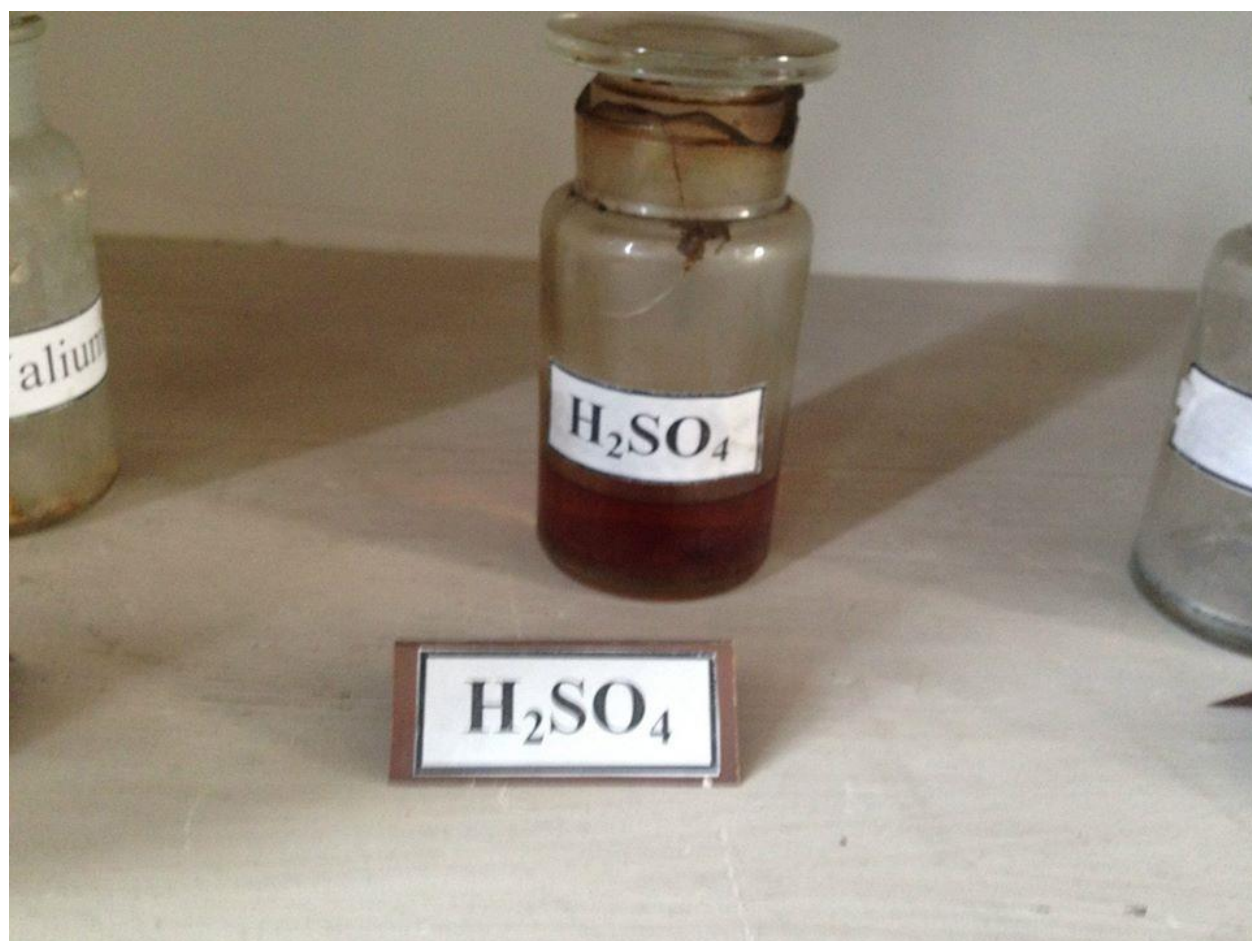






46. Model of human arm showing Multiple  
Vesicles (bullae)  
Caused due to most heat condition, as  
SCALDS one vesicle is ruptured







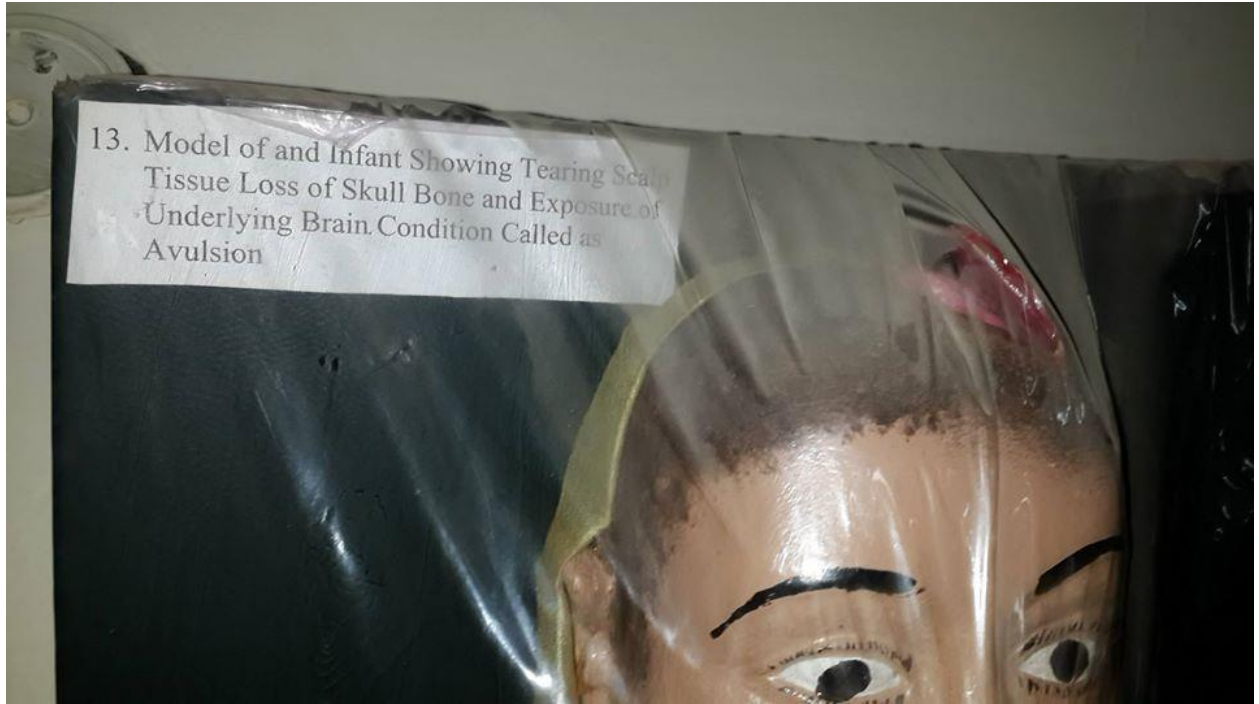








13. Model of and Infant Showing Tearing Scalp  
Tissue Loss of Skull Bone and Exposure of  
Underlying Brain. Condition Called as  
Avulsion





## DIFFERENCES BETWEEN MALE & FEMALE PELVIS



MALE

1. FALSE PELVIS IS DEEPER
2. PELVIC INLET IS HEART SHAPED
3. PELVIC CAVITY IS NARROWER
4. PELVIC OUTLET IS SHORTER
5. ISCHIAL TUBEROSITY INVERTED
6. SUB PUBIC ARCH IS NARROWER
7. SUB PUBIC ANGLE IS ACUTE
8. SACRUM IS LARGER & NARROWER



FEMALE

1. FALSE PELVIS IS SHALLOWER
2. PELVIC INLET IS OVAL
3. PELVIC CAVITY IS ROOMIER
4. PELVIC OUTLET IS LARGER
5. ISCHIAL TUBEROSITY EVERTED
6. SUB PUBIC ARCH IS WIDER
7. SUB PUBIC ANGLE IS OBTUSE
8. SACRUM IS SMALLER & WIDER



## Medicolegal aspect:

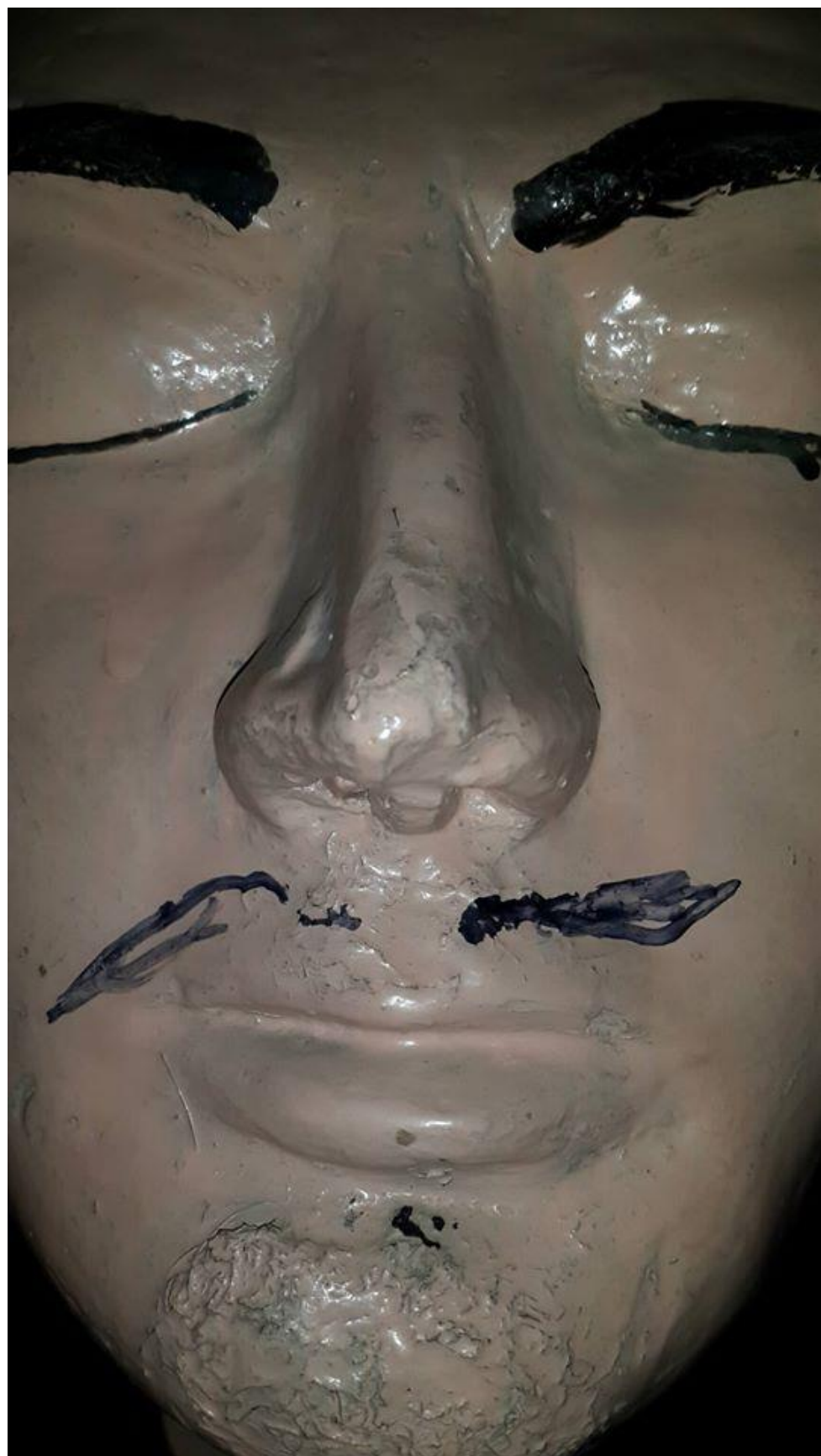
- \* Mostly ACCIDENTAL (as shown in the situation shown here)
- \* Sometimes HOMICIDAL.
- \* Very Rare SUICIDAL (Clopeltra).

## Signs & Symptoms:

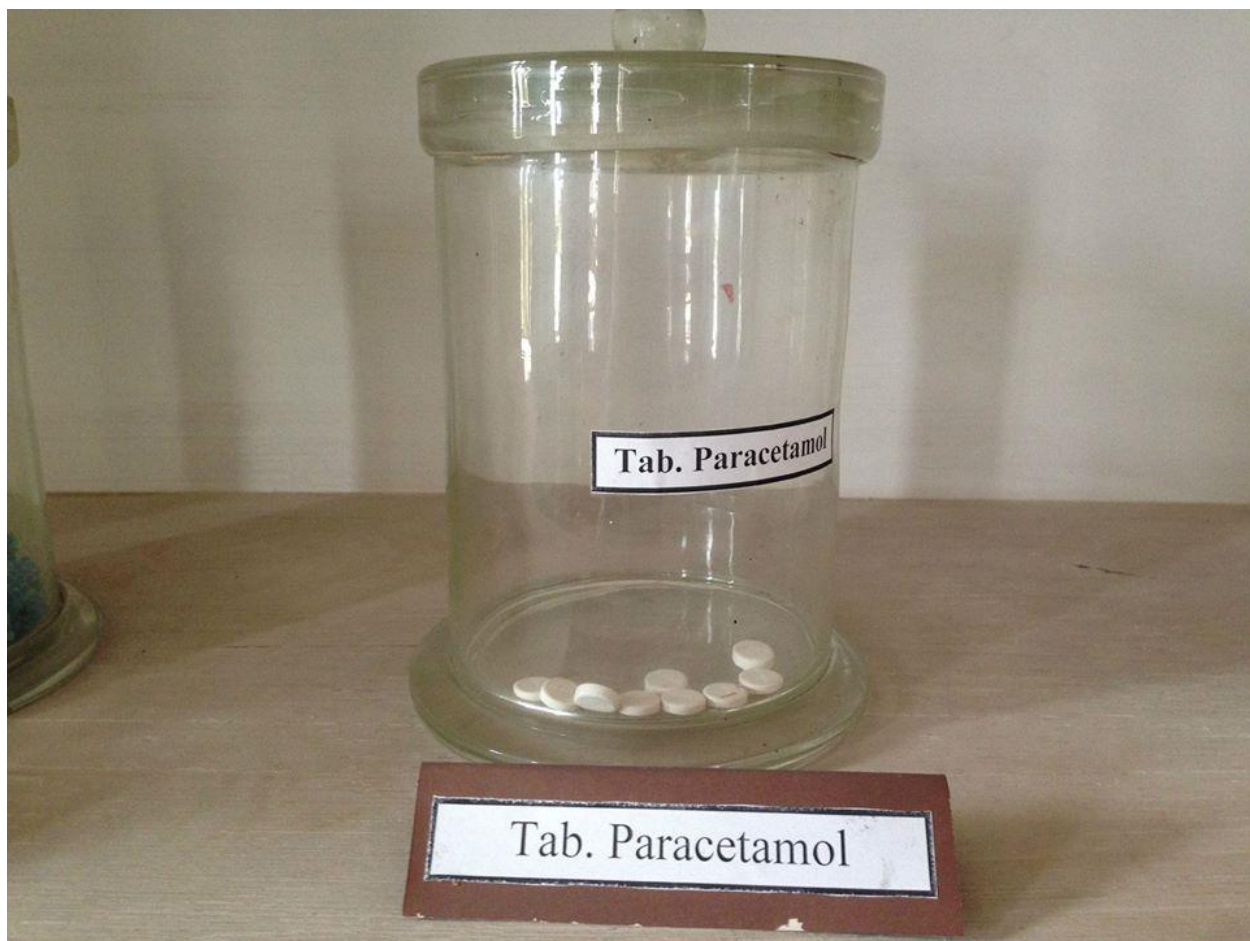
- \* Vasculotoxic (Viperine)
  - local signs → swelling at site of bite
  - Vesicular eruptions on limb may extend to trunk.
- Systemic signs → Epistaxis  
Mucosal bleed  
Disseminated I/V coagulation  
Ultimately Death













ART/KFM/TR/FA-7

DESCRIPTION:

Model of human face showing circular, clean cut wound with tattooing on left temporal region with ecchymosis of left eye - wound of entry.

M.I. IMPORTANCE:

Tattooing is due to coarse particles of unbrant and partly burnt powder being driven into the skin and can not be wiped off (in contrast to the blackening.)

Tattooing indicates wound of entry of a close range shot









42.

Human arm showing Yellowish white  
Greasy, Wax like Appearance a Late  
change after death known as  
ADIPOCERE (SAPONIFICATION)











Art#KEM/TR/FA-2

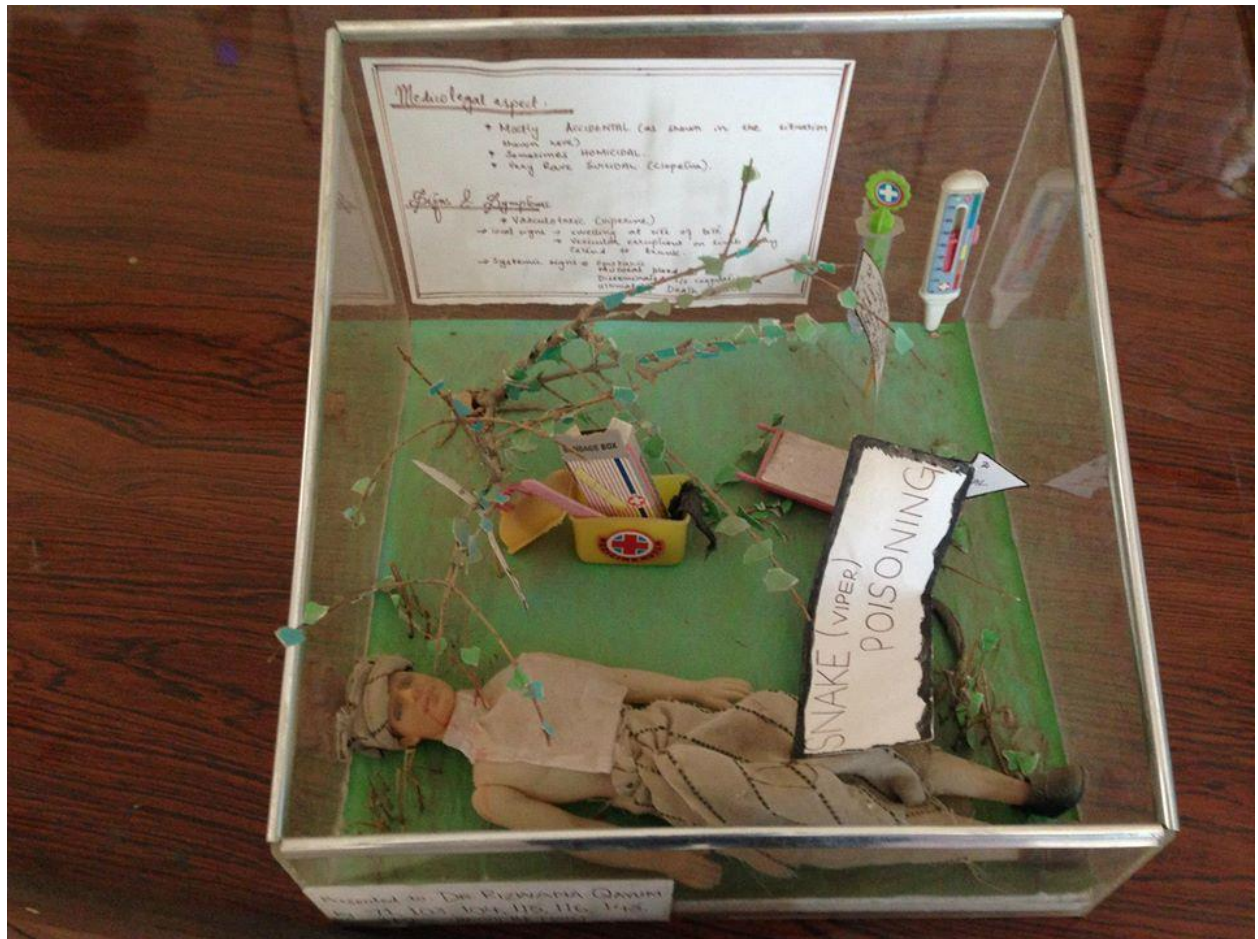
**DESCRIPTION:**

Model of inner table of skull showing circular hole with beveling.

**M.I. IMPORTANCE:**

Beveling on the inner table indicate wound of entrance.

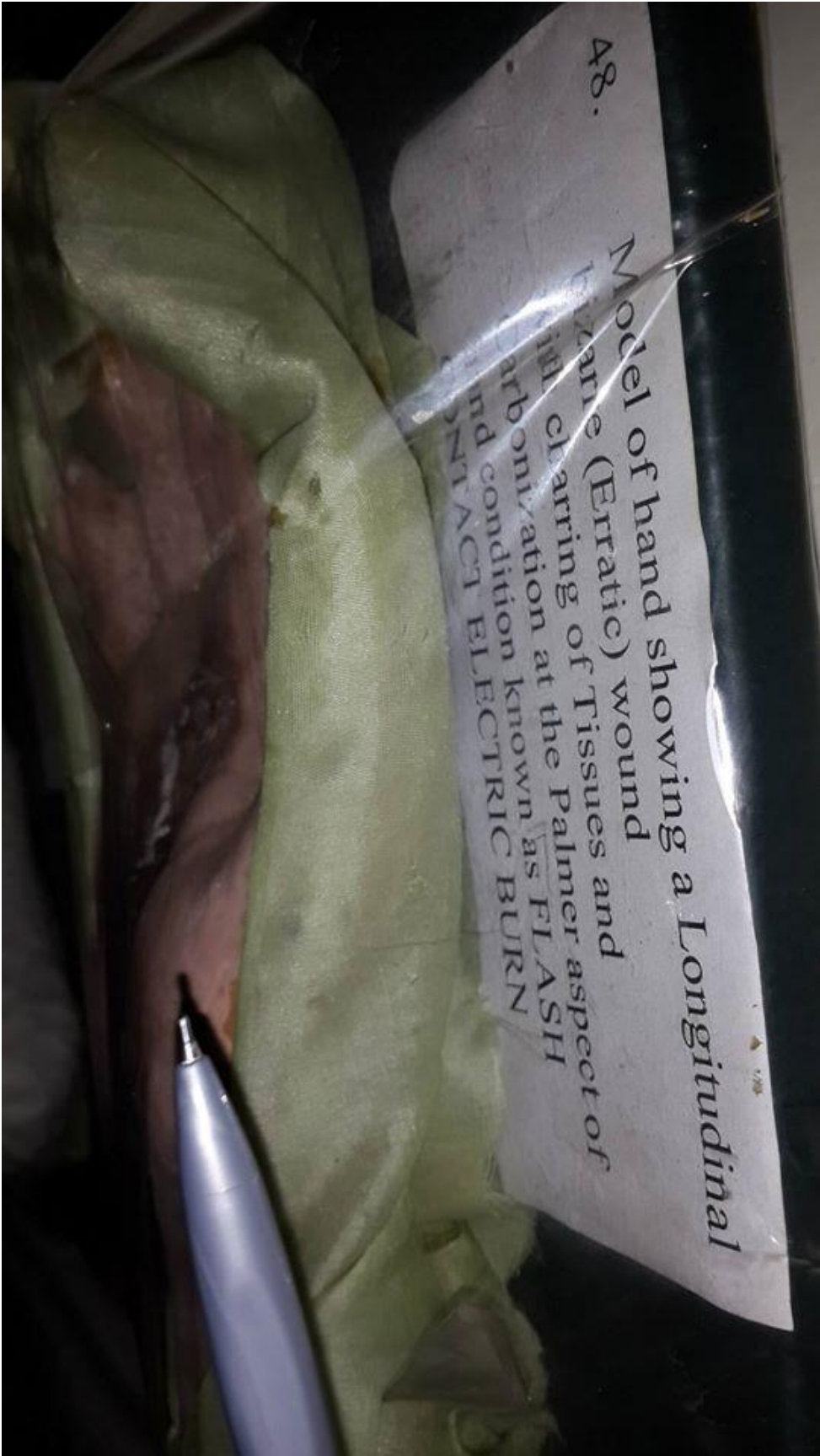






A8.

Model of hand showing a Longitudinal  
wound (Erratic) wound  
with charring of Tissues and  
carbonization at the Palmer aspect of  
and condition known as FLASH  
CONTACT ELECTRIC BURN







DAMIYAH 337-E(a)

BADIAH 337-E(b)

MUTALAHIMAH 337-E(c)

MUDIHAH 337-E(d)

HASHIMAH 337-E(e)

MUNAQQILAH 337-E(f)

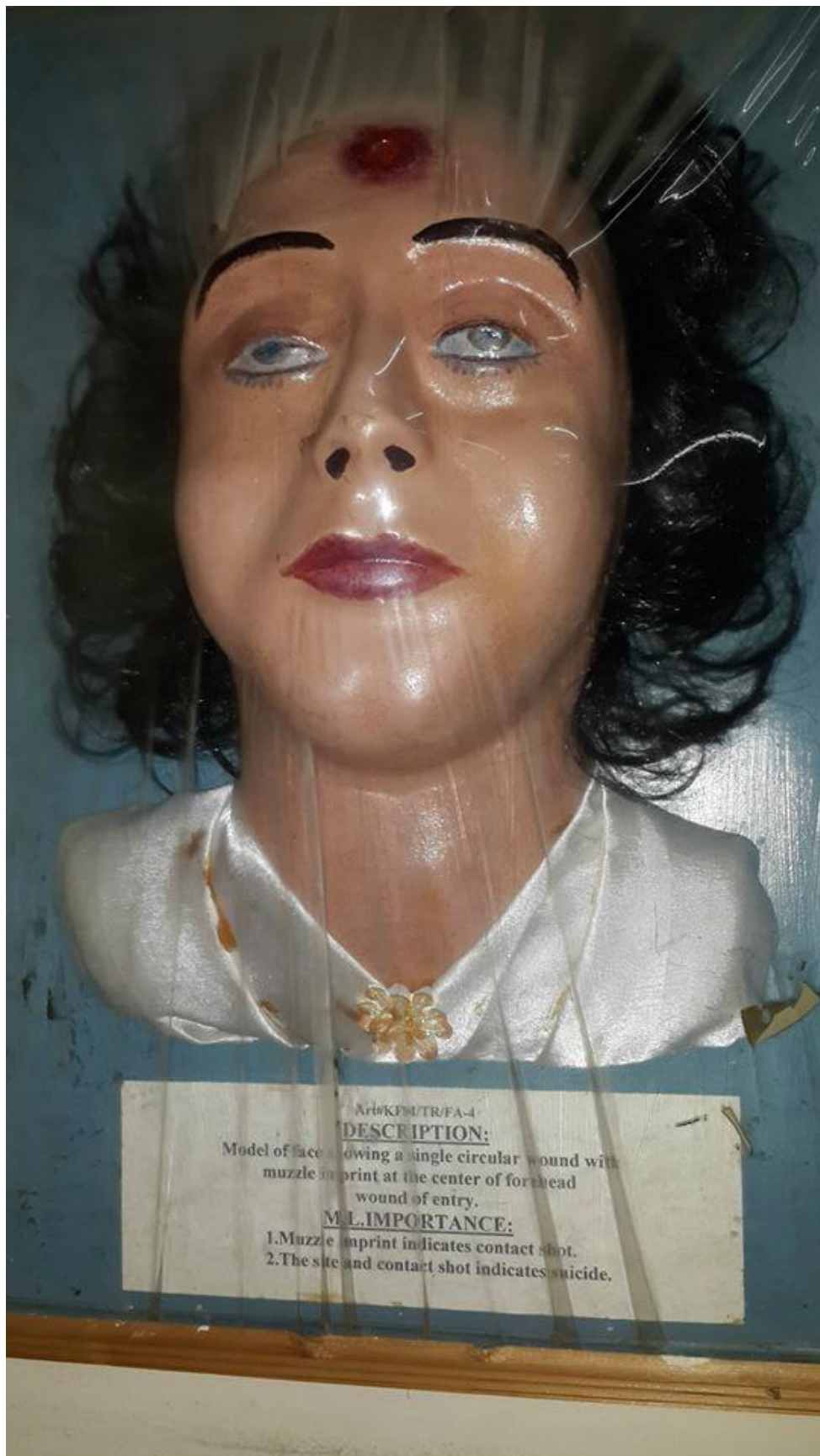


SKIN

MUSCLE

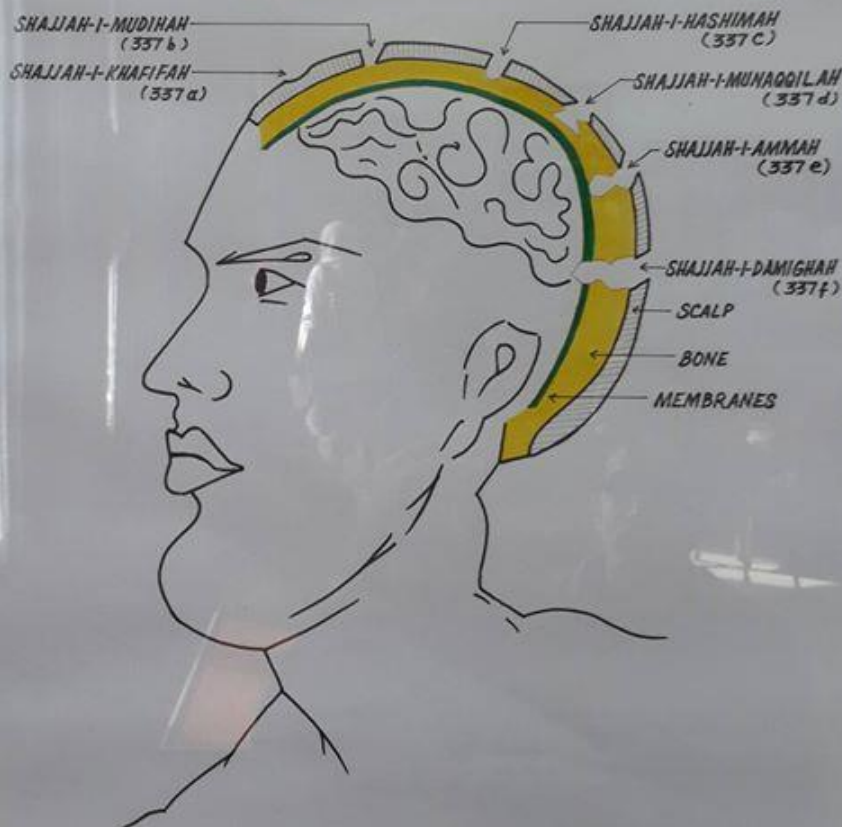
BONE

JURH GHAYR JAIFAH (SECTION 337-E)



# TYPES OF SHAJJAH

## (Sec. 337)





# AN IDEAL AUTOPSY UNIT

08-ALIYA LATIF  
80-RAFIA MEHMOOD  
103-SAIRA ZAMAN

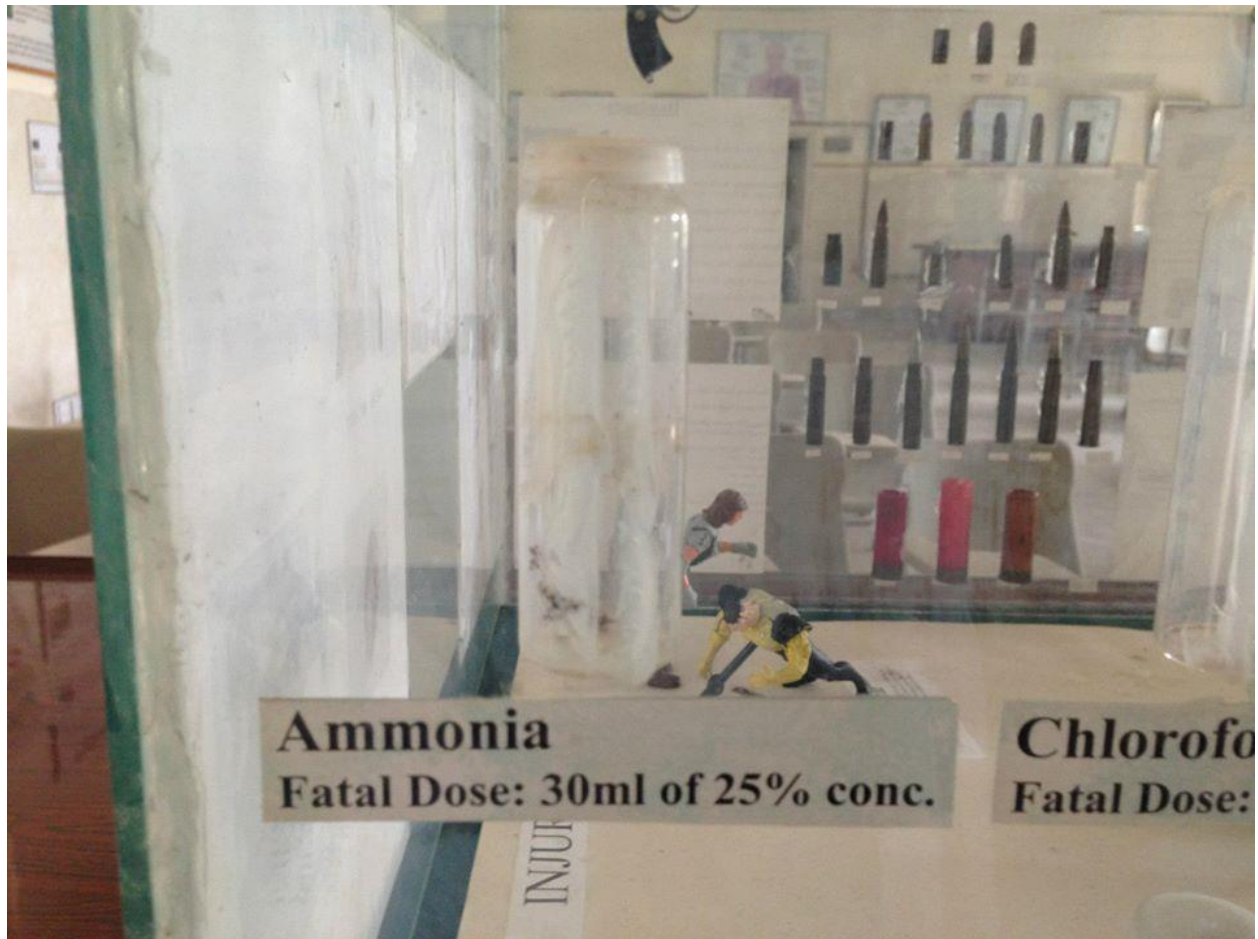
121-SHAZIA ZIA  
127-BEENA SHAMS  
131-UMBAR GHAFAR



**MADAR** PLANT



*Leaf no. 231 (1949-1950)*



**Ammonia**

**Fatal Dose: 30ml of 25% conc.**

**Chloroform**

**Fatal Dose:**

INJURY

## CHARACTERISTICS OF ENTRY WOUND



WOUND OF ENTRY



WOUND OF ENTRY

### CONTACT SHOT

1. NO BURNING
2. NO SOOT
3. NO TATTOOING
4. IMPRINT OF THE MUZZLE FOUND ON THE SKIN
5. THE MUSCLES ROUND THE TRACK ARE BRIGHT PINK

### CLOSE SHOT

1. CIRCULAR
2. SINGED BY FLAME
3. SURROUNDED BY SOOT
4. BLANKENING AND TATTOOING PRESENT
5. HAIR ARE BURNT & SHRIVELLED
6. SINGING ABSENT
7. ABRASSION COLLAR PRESENT
8. GREASE COLLAR PRESENT

### NEAR SHOT

1. TATTOOING & SOOT SPREAD OVER A LARGER AREA
2. SINGING OF HAIR ABSENT
3. ENTRY WOUND HAS APPEARANCE OF DISTANT SHOT

### DISTANT SHOT

1. NO BURNING
2. NO SOOT
3. NO TATTOOING
4. CIRCULAR
5. INNER GREASE COLLAR
6. OUTER ABRASSION COLLAR

## RELATIONS

### ENTRY AND EXIT

IN A CONTACT SHOT THE ENTRY WOUND BEING SPLIT BY BLAST IS LARGER THAN THE EXIT UNLESS THE BULLET COMES OUT SIDEWAY OR CARRYING THE BLOOD WITH IT.

IN A DISTANT SHOOT THE ENTRY WOUND MAY BE SLIGHTLY SMALLER OR OF SAME SIZE AS THE EXIT WOUND. THE WOUND EDGES MAY BE INVERTED AT THE ENTRY AND EVERTED AT THE EXIT.

THE SOILING RING HELPS TO DISTINGUISH ENTRY FROM EXIT.



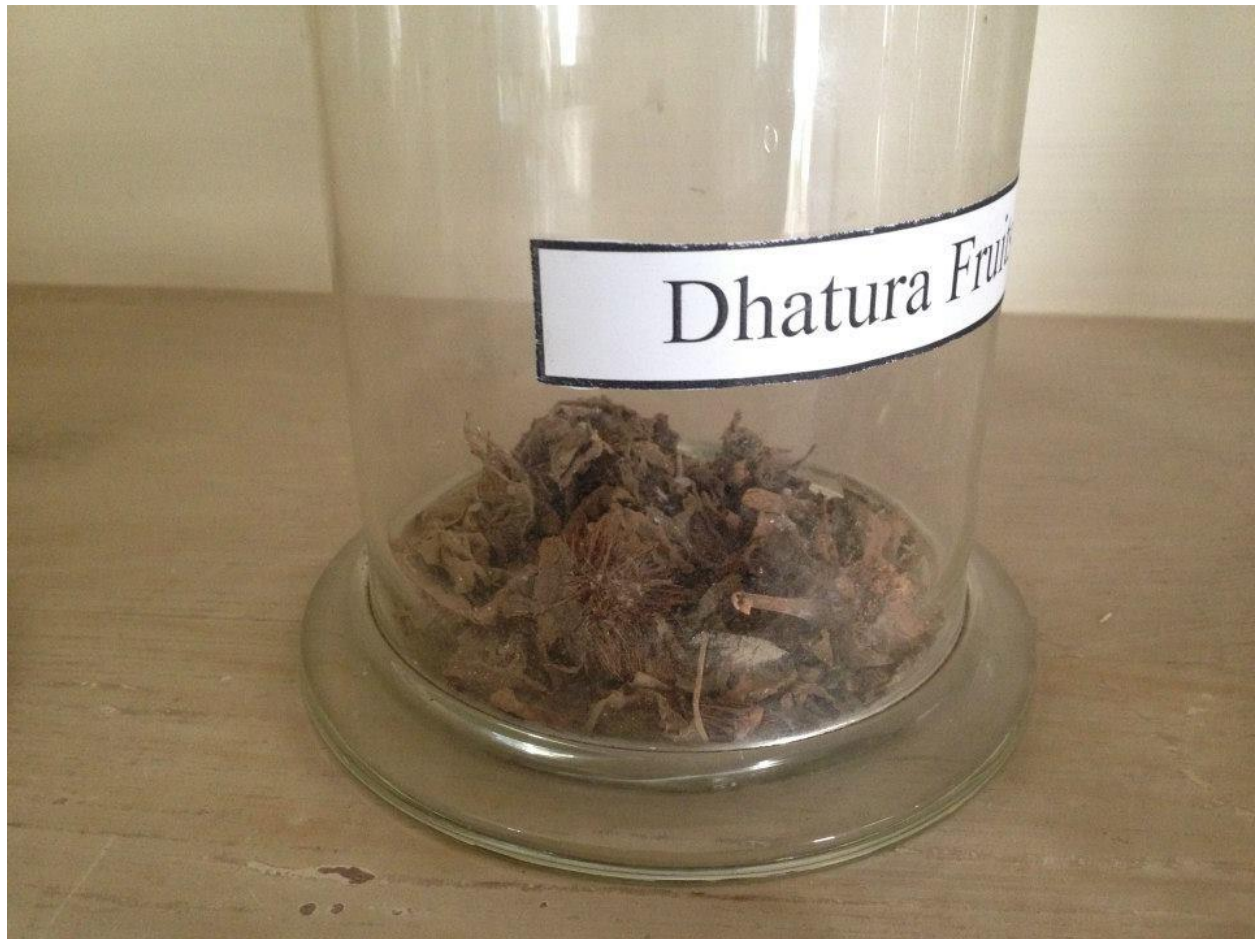




**Precatorius**  
n: Gunchi/ Rati  
ose: 1 to 2 seeds

**Strychnine**  
Synonym: Kuchila  
Fatal Dose: 10 to 50mg

**Ricinus**  
Synonym: A  
Fatal Dose:





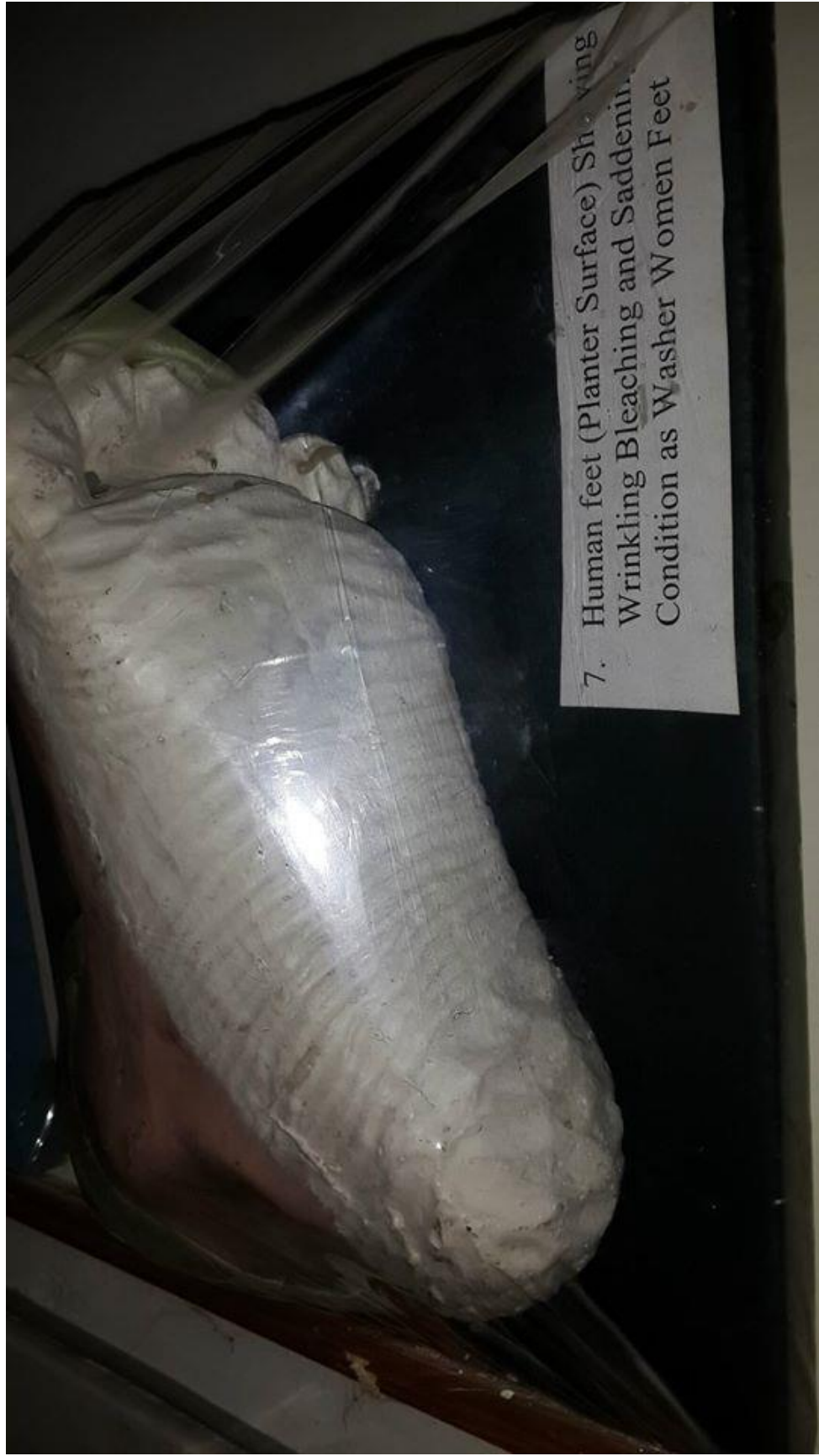












7. Human feet (Planter Surface) Showing  
Wrinkling Bleaching and Saddening.  
Condition as Washer Women Feet









Tobacco

Tobacco











World acclaimed medical researcher, scholar, philanthropist  
from 1993 until 1996. Saeed was one of Pakistan's most  
medicines. He established the Hamdard Foundation in  
years time, the herbal medical products of Hamdard

# CASTOR OIL PLANT



Roll no. 215 3rd year

CASTOR OIL SEEDS









19. Model of back of human being showing  
Multiple small Wounds Produced by the  
Hitting of Pellets of a gun shot Cartridge  
Bruising Around the Pellets Indicate SHOT  
GUN ENTRY WOUND





Hand  
Grenade













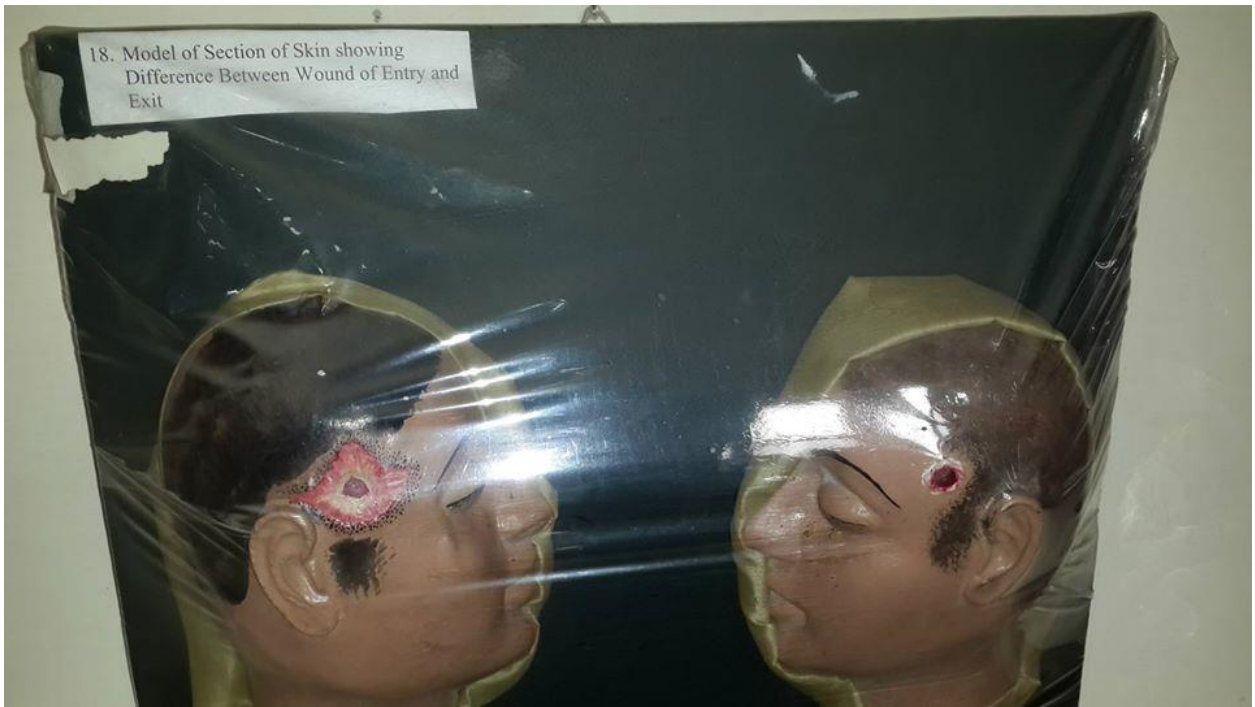








18. Model of Section of Skin showing  
Difference Between Wound of Entry and  
Exit



# DIFFERENCES BETWEEN MALE & FEMALE PELVIS



MALE

1. FALSE PELVIS IS DEEPER
2. PELVIC INLET IS HEART SHAPED
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7. SUB PUBIC ANGLE IS OBTUSE
8. SACRUM IS SMALLER & WIDER







Hakeem

(J)

Hakeem Muhammad Saeed was a prominent and a former Governor of Sindh Province and renowned medical researchers in the 1940s, prior to his settlement in West-Pakistan. His Foundation became household name and a group of unknown assailants while he

# CHILLIS & DHATURA SEEDS



CHILLI SEEDS



DHATURA SEEDS



SECTION OF CAPSICUM SEEDS.  
EMBRYO IS CURVED INWARDS.



SECTION OF DHATURA SEEDS.  
EMBRYO IS CURVED OUTWARDS.

ROLL NO. 193, 3RD YEAR

Mummification being carried o

## CASTOR OIL PLANT





# FRESH WATER DROWNING

## EXTERNAL APPEARANCES:

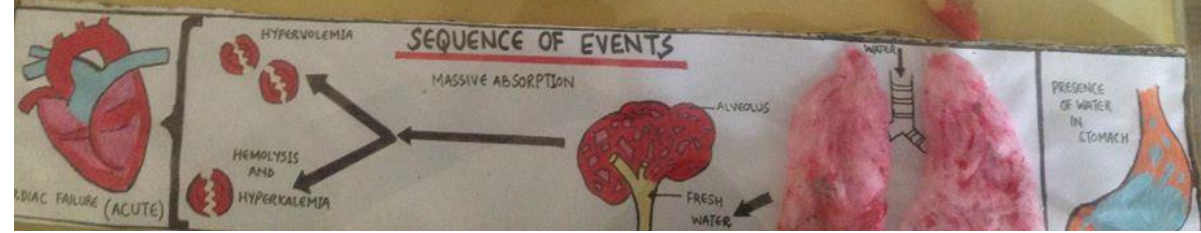
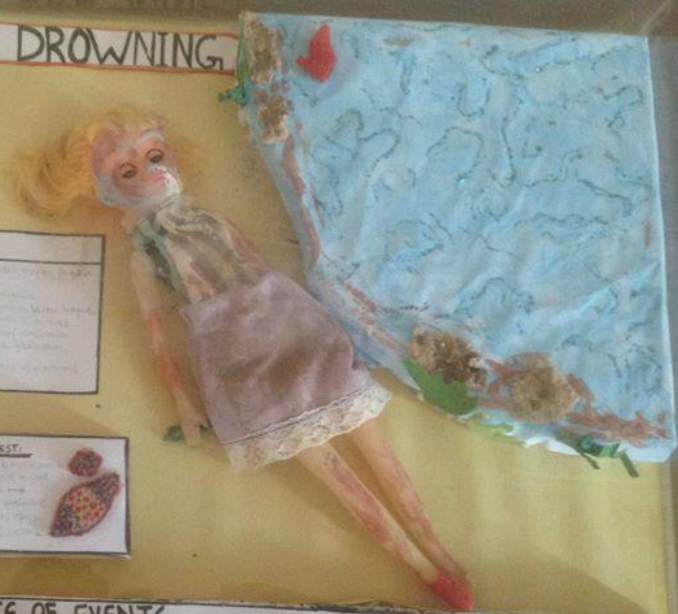
1. Cyanosis of the face, lips, and nail beds.  
2. Frothy sputum or frothy expectoration.  
3. Swelling of the face and neck.  
4. Rigor mortis.

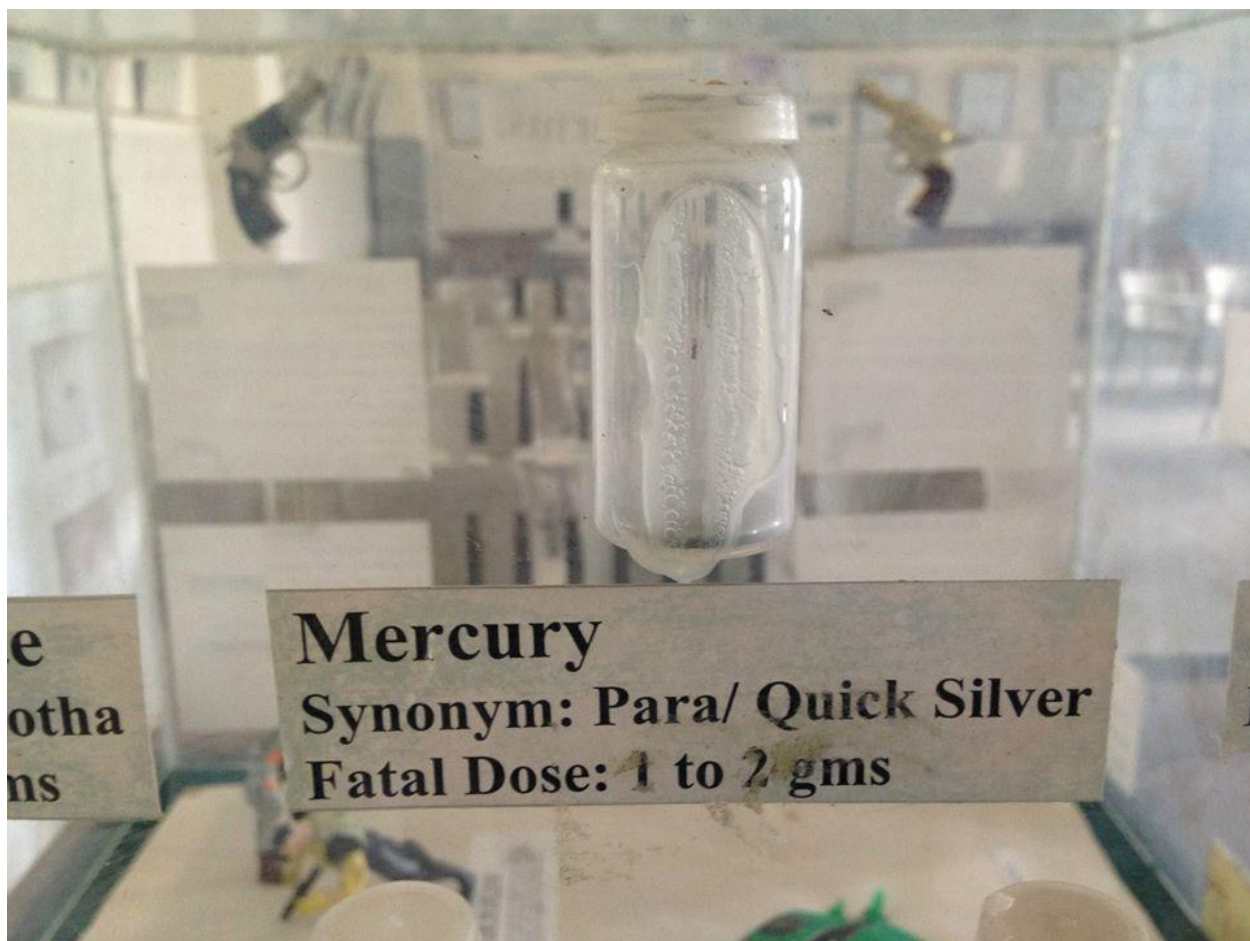
## INTERNAL APPEARANCES:

1. Cyanosis of the lungs.  
2. Frothy sputum or frothy expectoration.  
3. Swelling of the face and neck.  
4. Rigor mortis.

Dr. Rizwana Qayyum  
01.60.62.90  
121.141.267  
RMC-37 BATCH: B-1

## DIATOMS TEST:

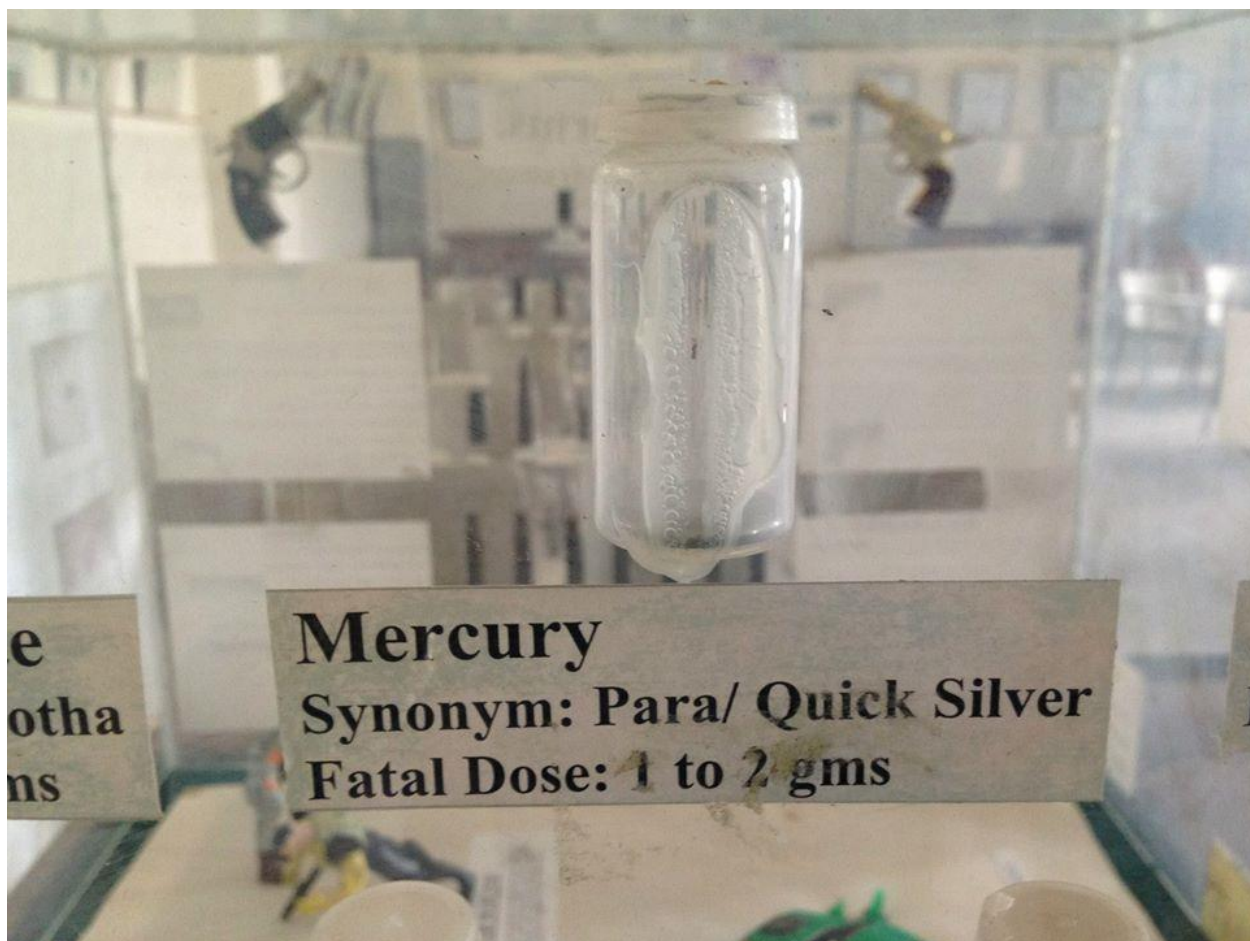




## **Mercury**

**Synonym: Para/ Quick Silver**

**Fatal Dose: 1 to 2 gms**



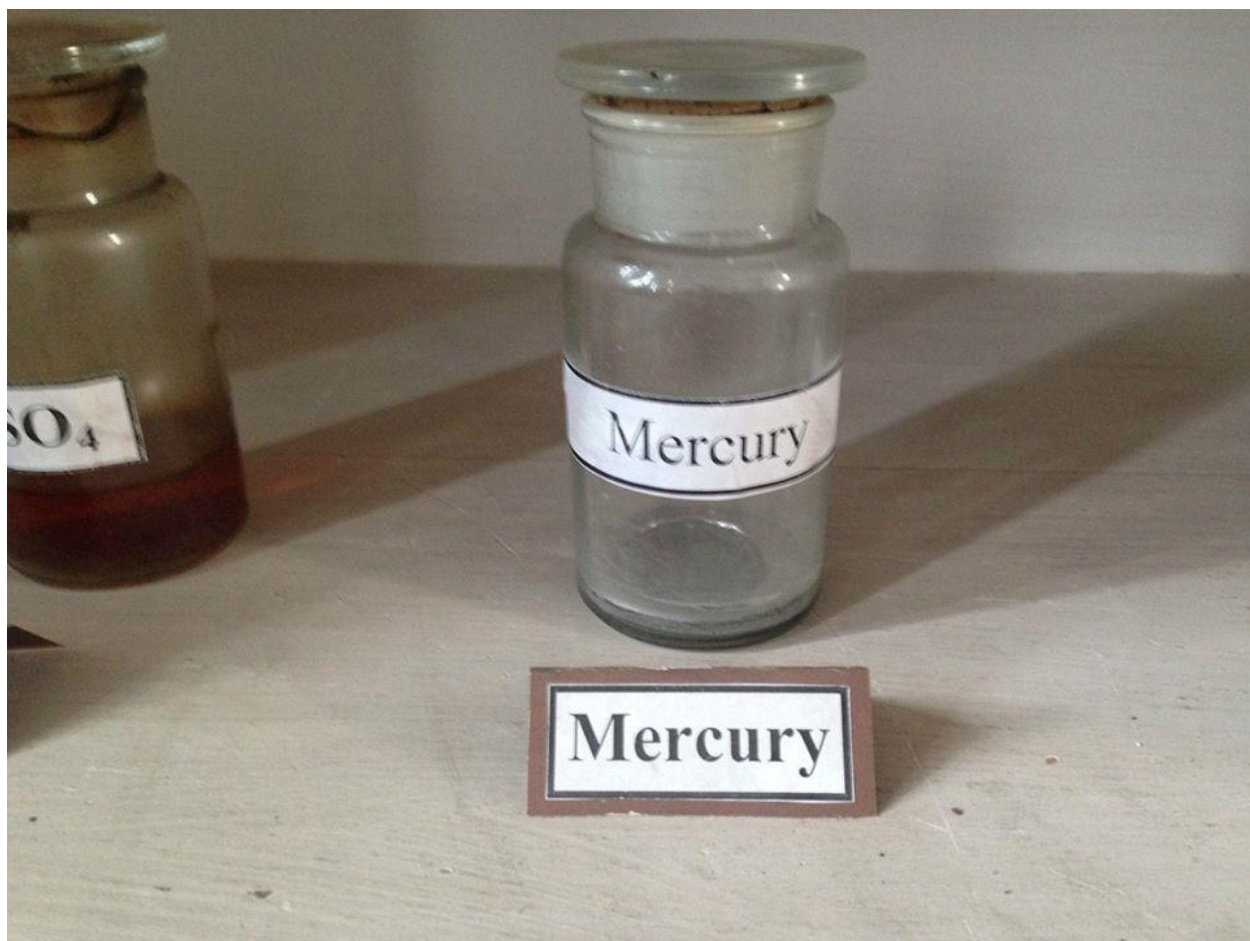
## **Mercury**

**Synonym: Para/ Quick Silver**

**Fatal Dose: 1 to 2 gms**







# AGE CHANGES IN THE MANDIBLE



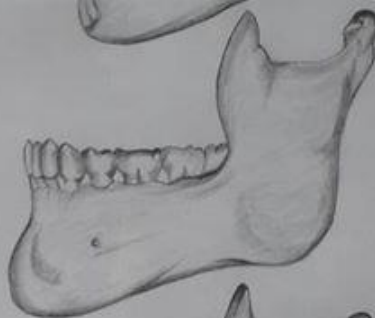
BIRTH



3 YEARS



6 YEARS



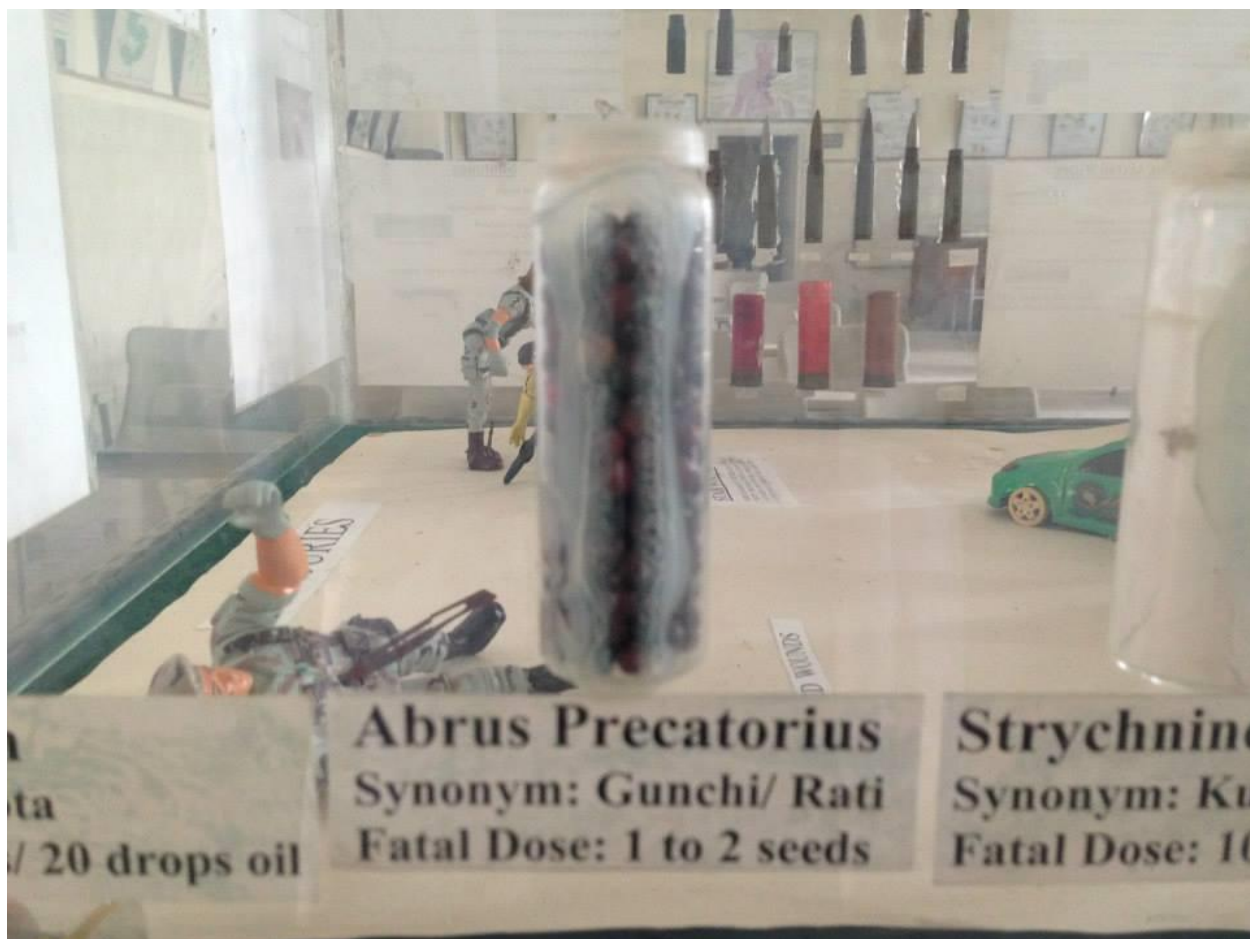
ADULT



OLD AGE







### **Abrus Precatorius**

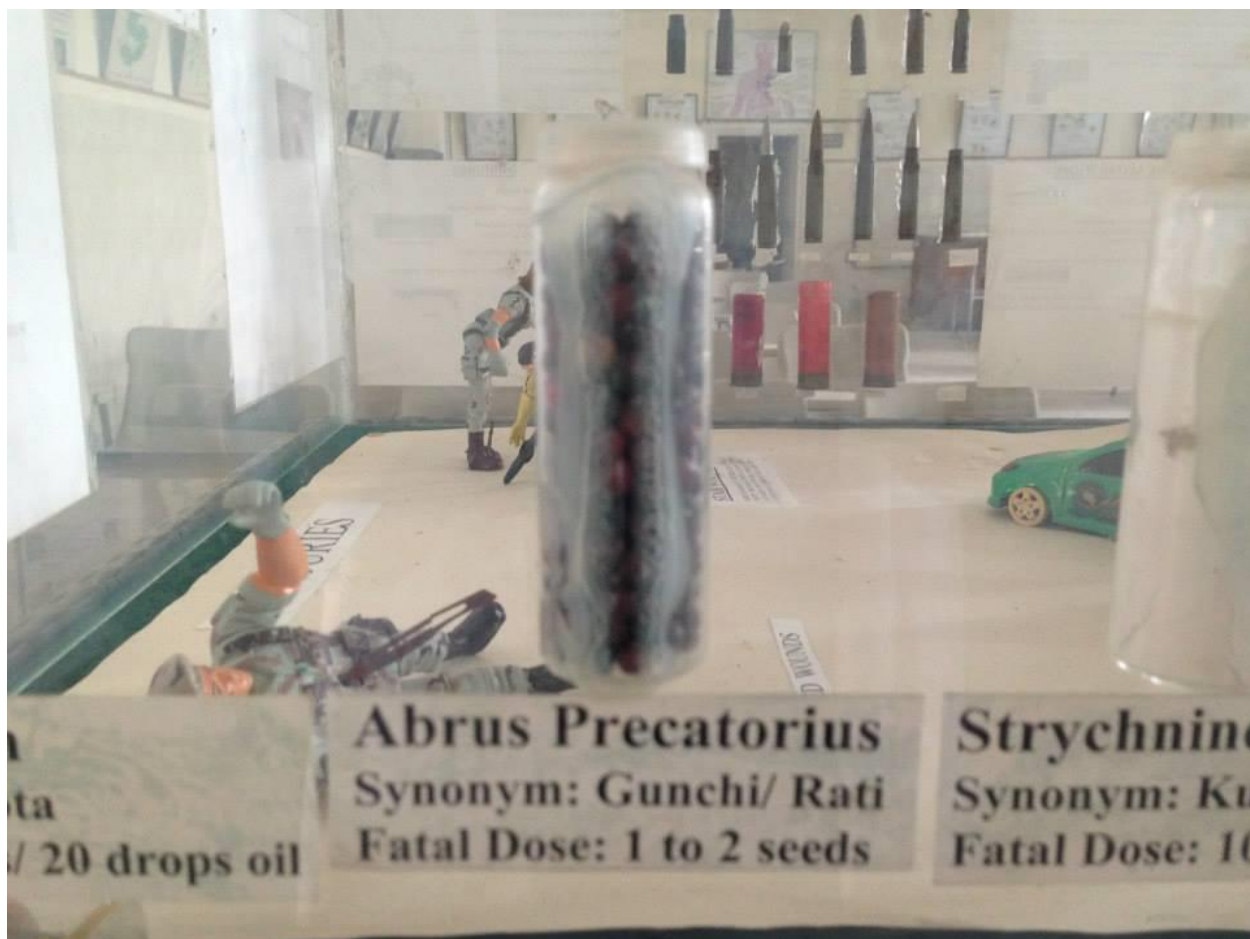
Synonym: Gunchi/ Rati

Fatal Dose: 1 to 2 seeds

### **Strychnine**

Synonym: Ku

Fatal Dose: 10



### **Abrus Precatorius**

Synonym: Gunchi/ Rati

Fatal Dose: 1 to 2 seeds

### **Strychnine**

Synonym: Ku

Fatal Dose: 10

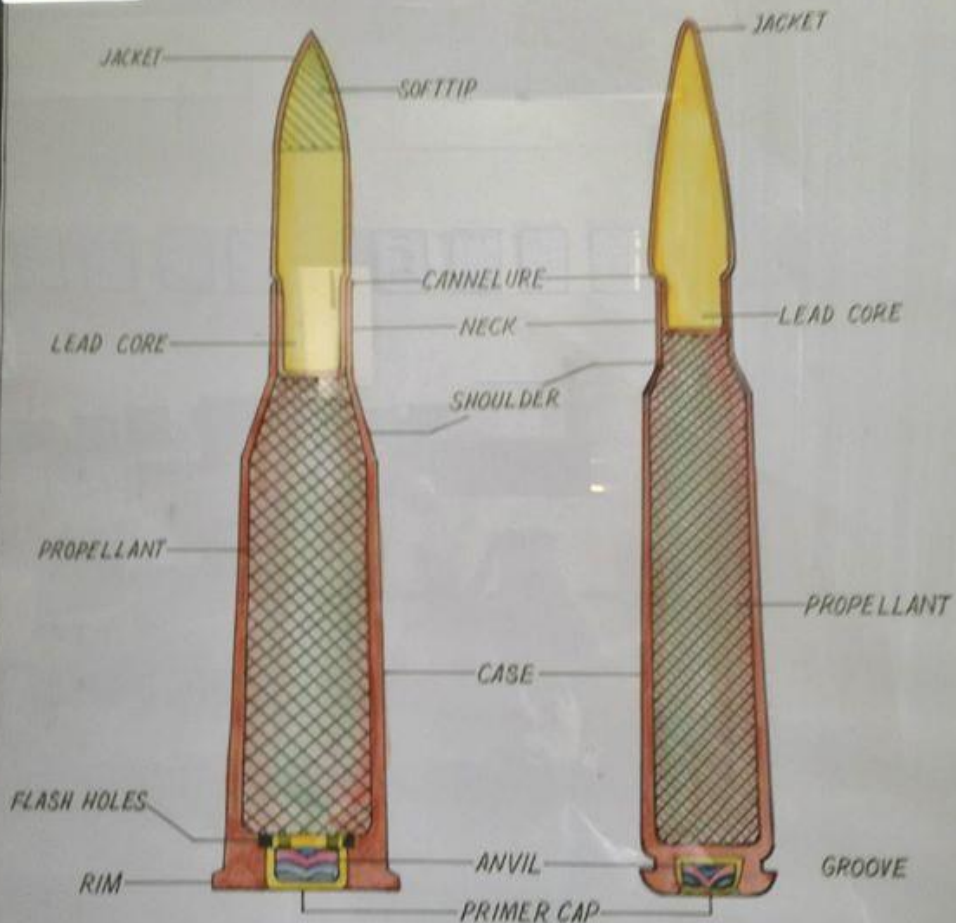


# POPY PLANT





# RIMMED AND RIMLESS (GROOVED) RIFLE CARTRIDGES WITH JACKETED BULLETS









## Handguns

**Name of Firearm:** Remington New Model Army



Remington New Model Army .44 Caliber Revolver

**Invented in the USA.**

**Manufacturer:** Remington (originally). Manufactured from 1863 to 1875.  
**Caliber:** .44 Shoots a .451" diameter lead round ball.

**Powder:** FFFg black powder, approx 22 to 28 grains per round.

**Ignition:** No.11 percussion caps

**Mode of fire:** single action revolver-six shots.

**Sights:** Blade front and v shaped groove in top strap for rear sight.

**Overall Length:** 13.5 inches



Remington Model 274

**Weight:** approx. 2.75 lbs.

**Barrel:** 8 inch long octagon

# RECORDING OF EVIDENCE



**EXAMINATION IN CHIEF**  
Q. DOCTOR WHAT PRECAUTIONS ARE NECESSARY BEFORE INJECTING PENCILLIN?  
A. A SENSITIVITY TEST SHOULD BE DONE.

## CROSS EXAMINATION

Q. DOCTOR IS IT POSSIBLE THAT AN ANAPHYLATIC REACTION MAY STILL OCCUR EVEN THOUGH THE SENSITIVITY TEST IS NEGATIVE?  
A. YES.



## RE-EXAMINATION

Q. DOCTOR WHAT SHOULD BE THE DIFFERENCE IN THE ANAPHYLATIC REACTION IN A CASE WHERE THE TEST WAS POSITIVE & ANOTHER CASE IN WHICH IT WAS NEGATIVE?  
A. IN THE FORMER CASE IT WOULD BE FAR MORE SEVERE IN THE LATER CASE IT WOULD BE MILD.

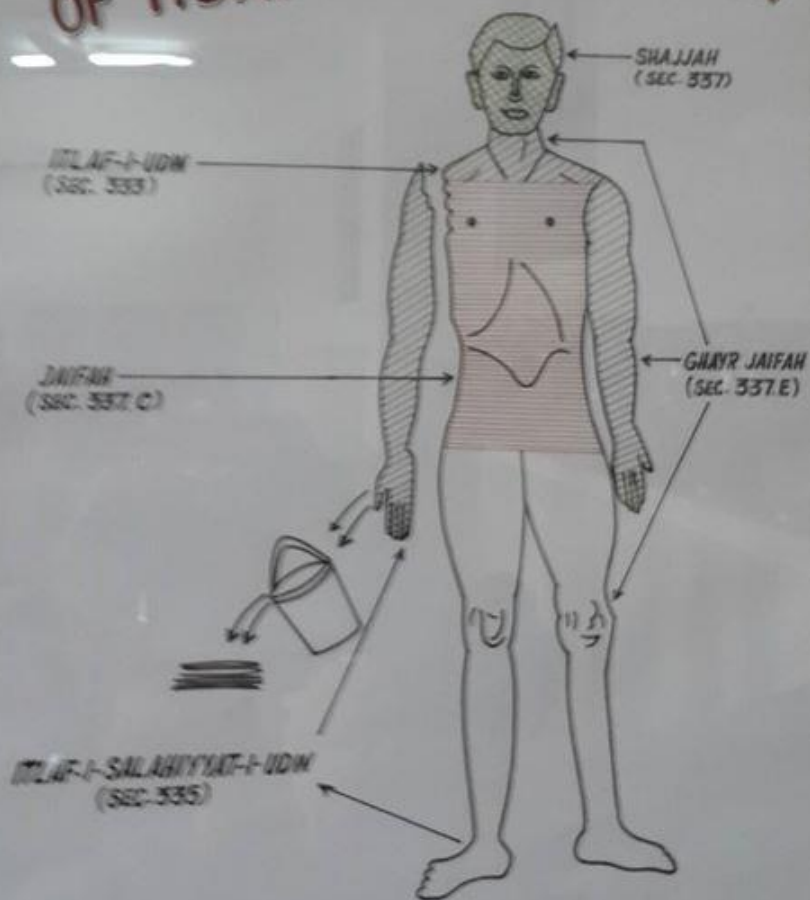
## COURT QUESTION

Q. DOCTOR IS THERE NO WAY BY WHICH ONE CAN BE ABSOLUTELY CERTAIN IF THE PATIENT IS SENSITIVE TO PENCILLIN OR NOT?  
A. NO.





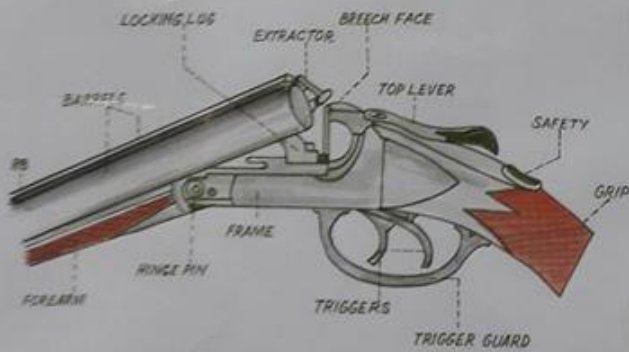
# DIAGRAMATIC REPRESENTATION OF HURT



8. Human face showing foam (foam) coming  
out Of ore Nasal Orifices



# FIREARMS





## Bolt Action Rifles

**Action Type:** Bolt-action single-shot rimfire

**Caliber:** .22 Long Rifle, .22 Long, .22 Short, .22 Caps

**Capacity:** 1 round

**Barrel:** 17" to 22" depending on year of manufacture

**Sights:** Adjustable notch rear, fixed blade front. The receiver is grooved for an optional tip-off type scope mount (pictured).

**Finish:** Blued steel.

**Stock:** Typically poplar or spruce; materials varied over the course of production.

**Country of Origin:** USA



Mauser KAR Model 98K



Mosin-Nagant obr 1944g

The model 73 is a short, lightweight, and inexpensive rifle designed with the training of young shooters in mind. The single-shot action engages the safety automatically when the bolt is closed.

BORE

BORE



# TOBACCO PLANT



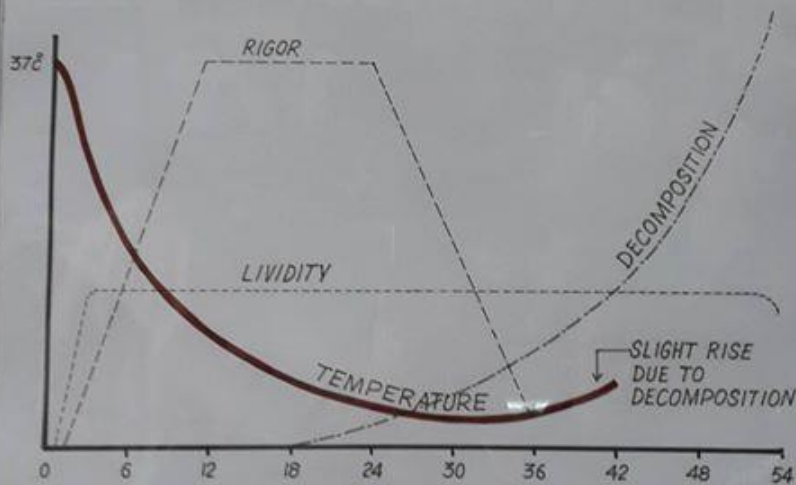






# CHANGES AFTER DEATH

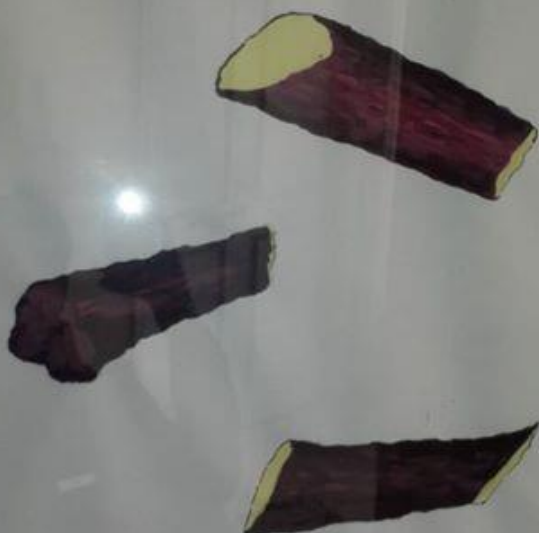
(TEMPERATURE LIVIDITY  
DECOMPOSITION RIGORMORTIS)

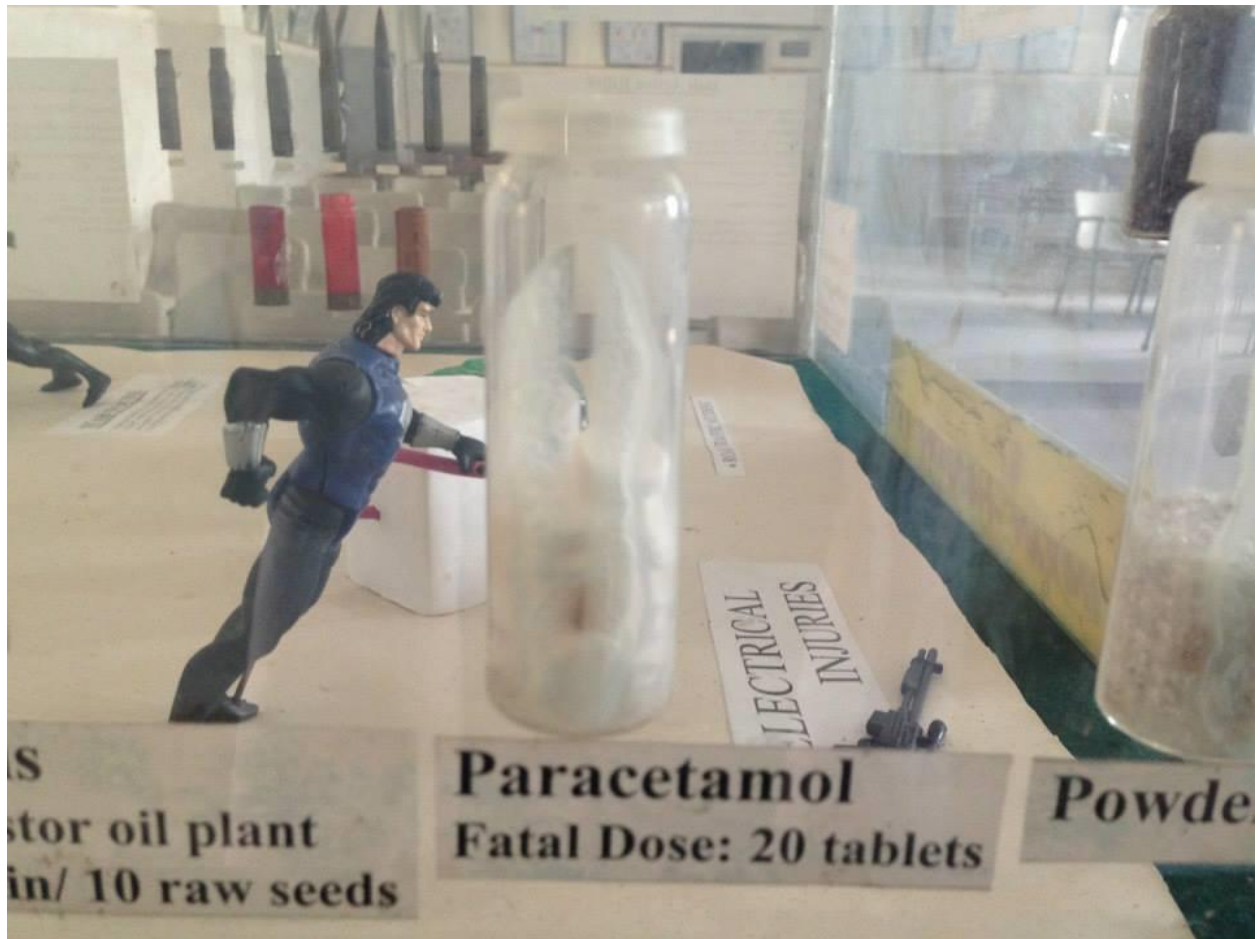






# ACONITE



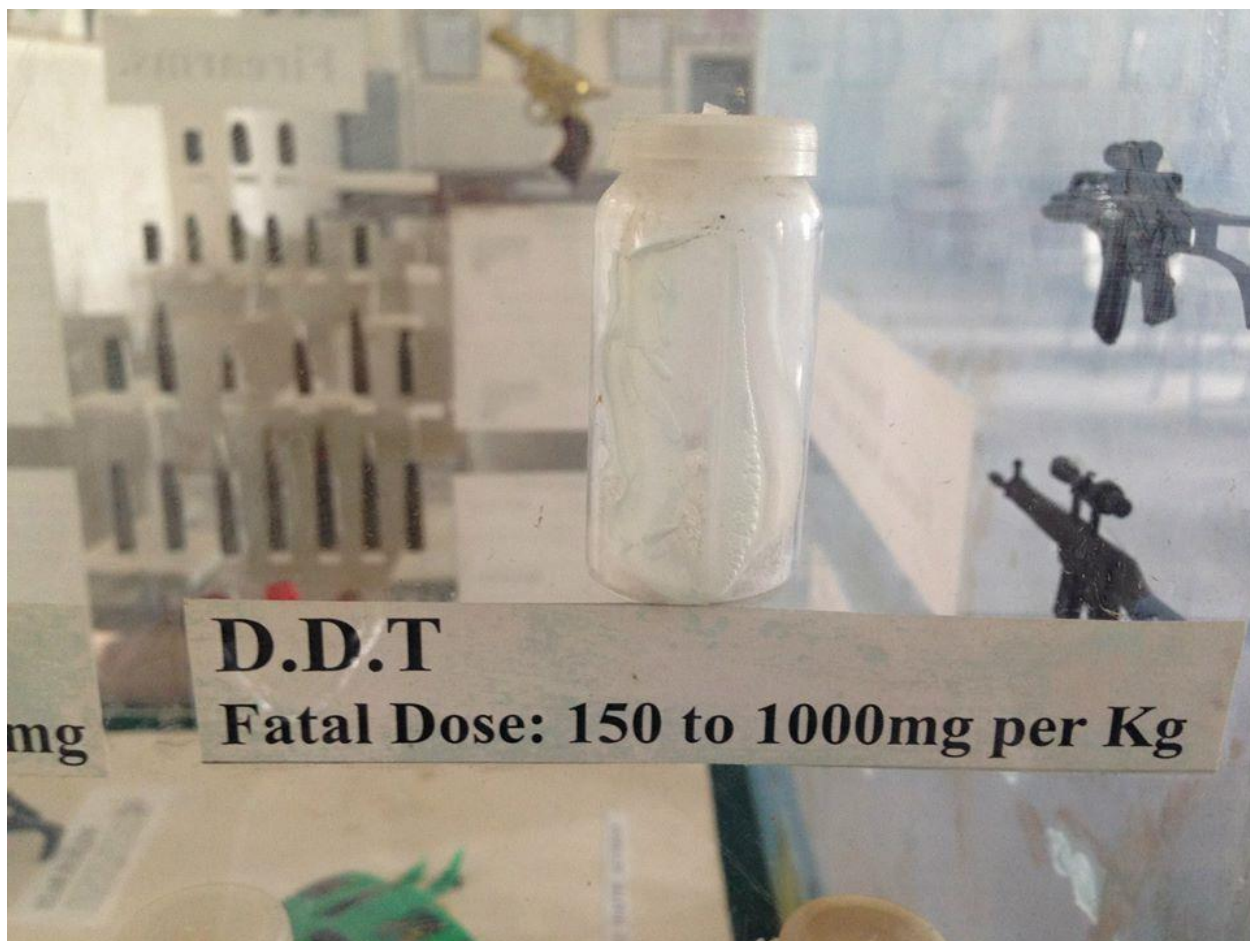


**Paracetamol**  
Fatal Dose: 20 tablets

**Powde**

**S**  
stor oil plant  
in/ 10 raw seeds

ELECTRICAL  
INJURIES



**D.D.T**

**Fatal Dose: 150 to 1000mg per Kg**

mg





DS



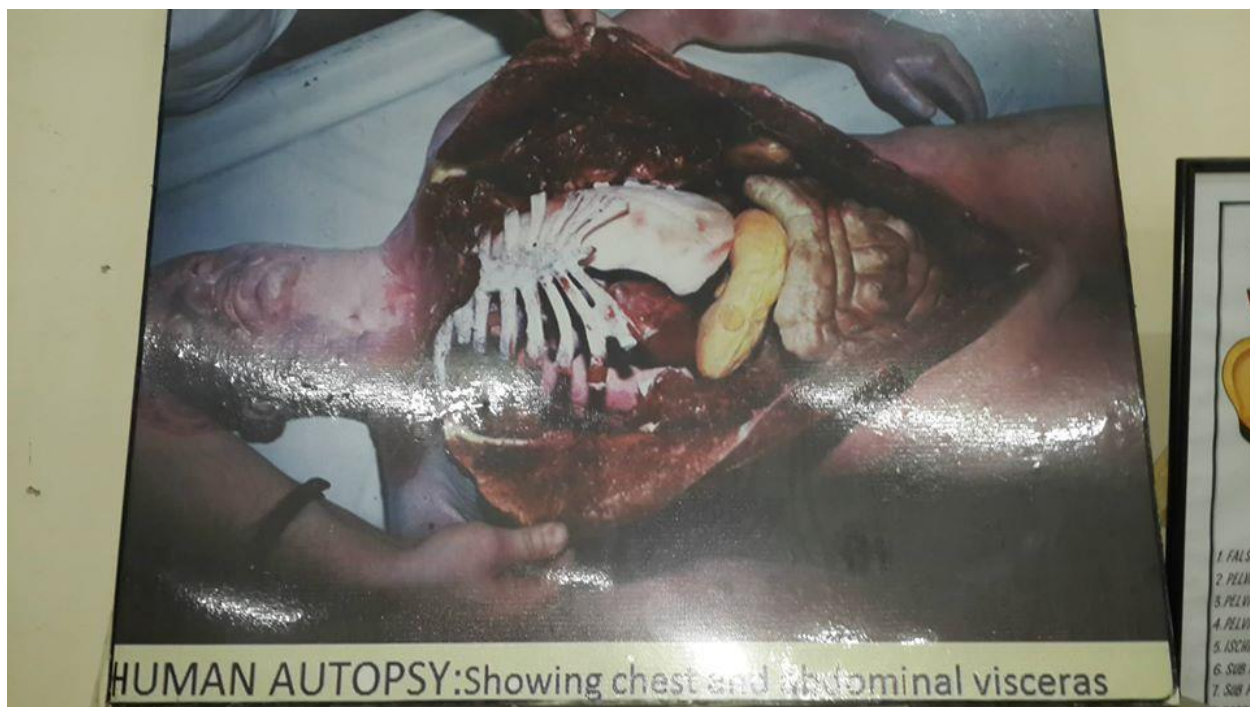
*DHATURA SEEDS*

# SPHERE OF MEDICOLEGAL CLINIC









HUMAN AUTOPSY: Showing chest and abdominal viscera

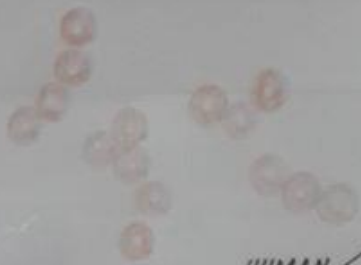
1. FALSE
2. PELVIS
3. PELVIS
4. PELVIS
5. ASCHIA
6. SUB P
7. SUB P

SCORPION





# MICROSCOPIC SLIDES



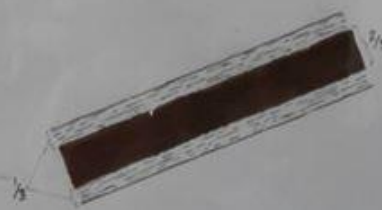
HUMAN  $\longleftrightarrow$  RBC  $\longleftrightarrow$  CHICKEN



$$1+3 = \frac{2}{3}$$

$$2 = \frac{1}{3}$$

HUMAN  $\longleftrightarrow$  HAIR  $\longleftrightarrow$  ANIMAL



$$1+3 = \frac{1}{3}$$

$$2 = \frac{2}{3}$$



HUMAN SPERMS



FIBER



A typical  
Hanging



Art # KFM/TR/SC-5

**DESCRIPTION:**

Model of face and neck showing multiple horizontal cuts on neck condition known as *CUT THROAT*.

**M.L.IMPORTANCE:**

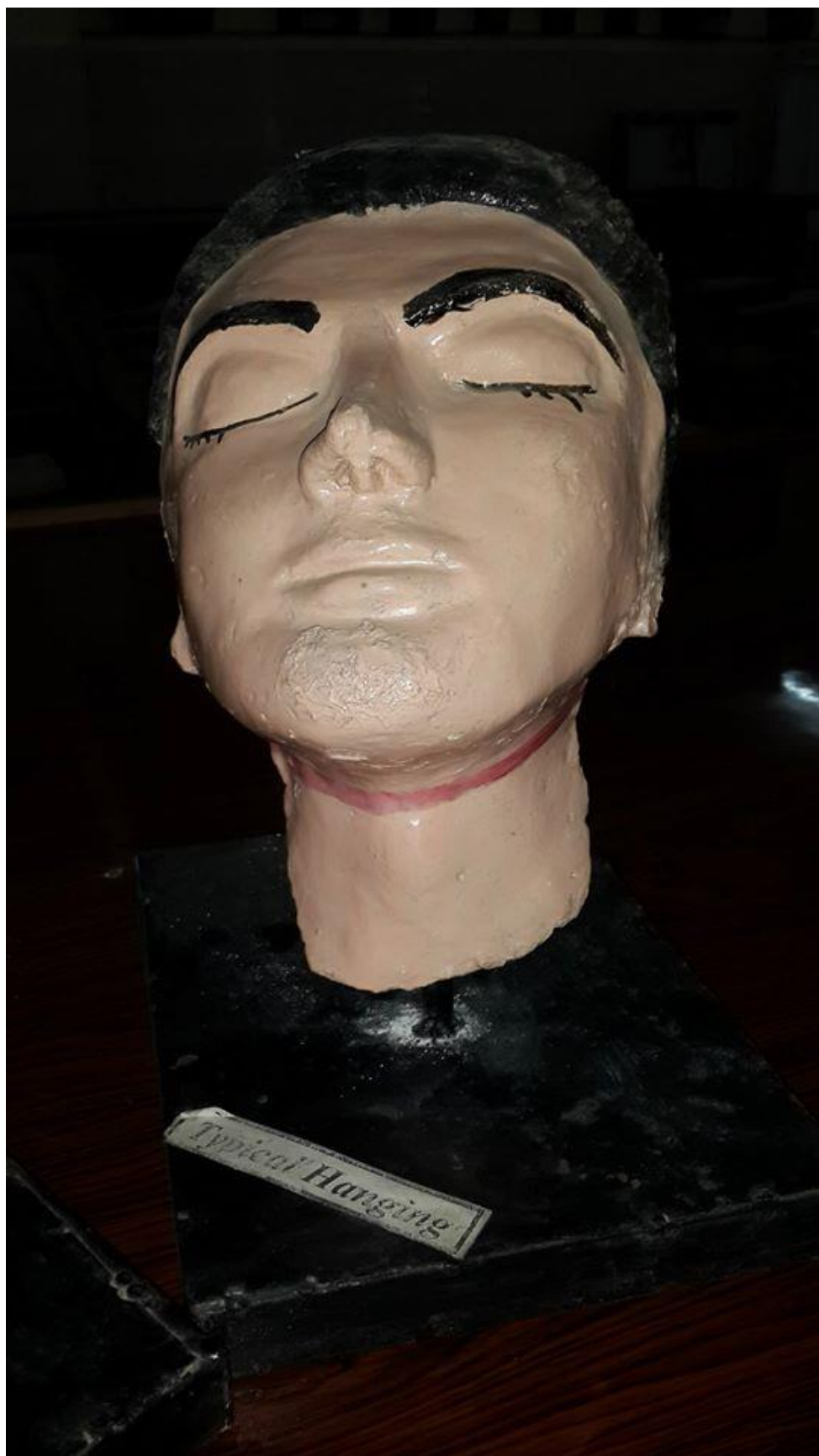
The number (three), direction (horizontal) & location of wounds (one above the others) are suggestive of *HOMICIDE*.





*Contact Shot Entry  
Wound (Muzzle  
Imprint)*









2. Face & Upper Torso showing Ligature  
(Hanging) (Suspension)







Museum

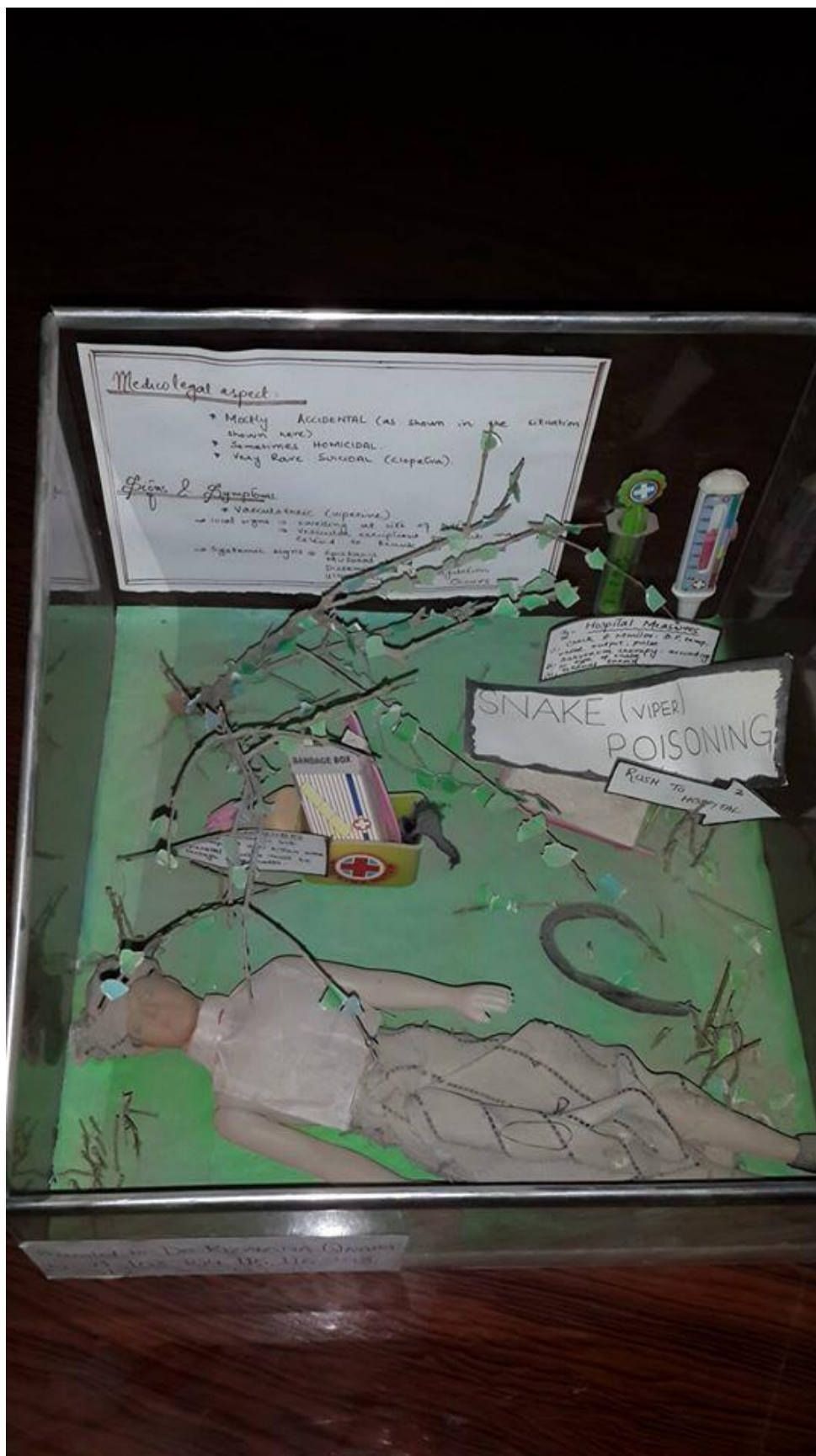
**NUX VOMICA**











Medico-legal aspect:

- Mostly ACCIDENTAL (as shown in the exhibition shown here)
- Sometimes HOMICIDAL
- Very Rare SUICIDAL (lethal)

Signs & Symptoms:

- Vasculotoxic (swelling)
- local signs → swelling at site of bite
- Vasculotoxic reactions → raised to bluish
- Systemic signs → dizziness, nausea, vomiting, diarrhoea, etc.

Hospital Measures  
1. Check & monitor B.P. temp.  
2. Check output: urine  
3. Check & monitor pulse  
4. Check & monitor respiration  
5. Check & monitor consciousness

SNAKE (VIPER)  
POISONING

RUSH TO HOSPITAL

Don't use tourniquet



Art#KFM/TR/FA-3

**DESCRIPTION:**

Model of outer table of skull showing circular hole with beveling

**M.L.IMPORTANCE:**

The beveling of outer table indicates wound of exit by a  
*FIRE ARM.*



A



B



C



D

Art/KFM/ID -1

**DESCRIPTION:**

Model of Finger print . Tip/ball of fingers showing various types of patterns of ridges and grooves of skin, called as finger prints

(a) ARCH (b) LOOPS (c) WHORLS (d) COMPOSITES.

**M.I. IMPORTANCE:**

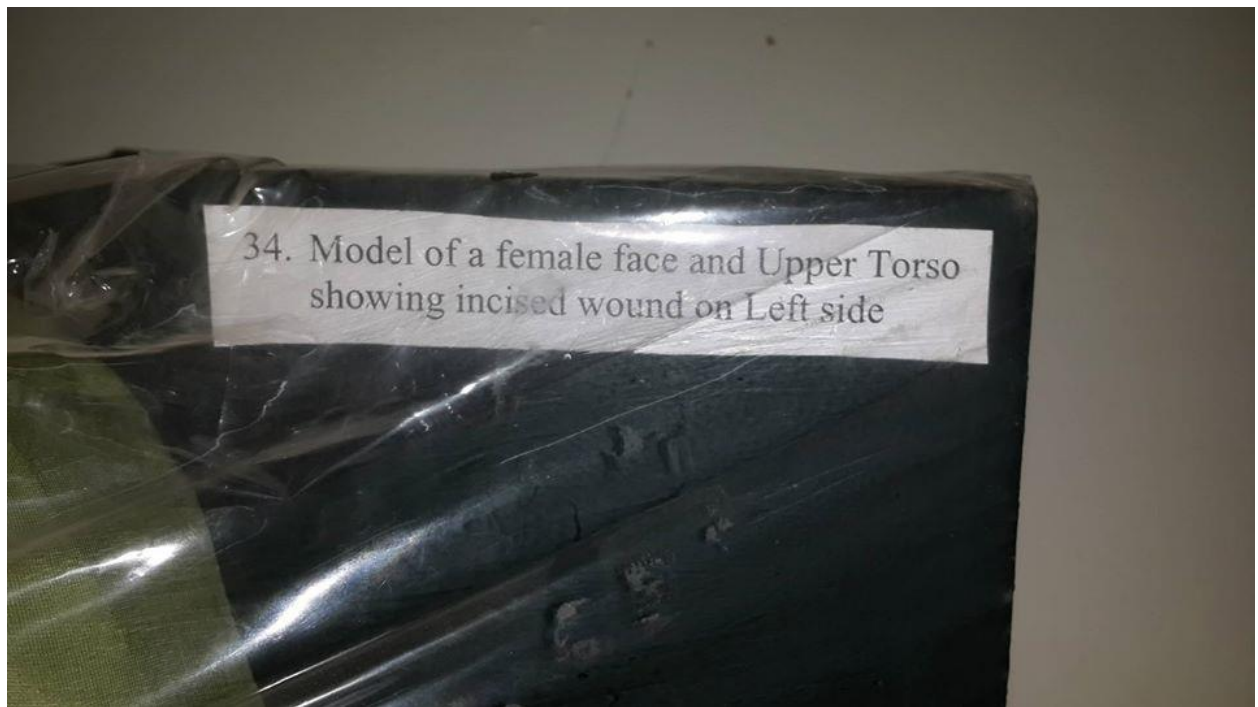
The surest method of personal identity trace evidence, which can connect a criminal with the crime.



# Early Depiction

ABRUS  
*PRECATORIUS*







Model of dorsum of hand showing defence wounds,  
known as defence wounds.

#### DEFENCE WOUNDS

1. Defence wounds are caused to a person while warding off an attack, on those parts of body which are used for defence.
2. Defence wounds indicate a homicidal attack when the victim is conscious and aware of attack.



# FIREARMS



## RIFLE

A rifle is a firearm designed to be fired from the shoulder, with a barrel that has a helical groove or pattern of grooves ("rifling") cut into the barrel walls. The raised areas of the rifling are called "lands," which make contact with the projectile (for small arms usage, called a bullet), imparting spin around an axis corresponding to the orientation of the weapon. When the projectile leaves the barrel, this spin lends gyroscopic stability to the projectile and prevents tumbling, in the same way that a properly thrown American football or rugby ball behaves. This allows the use of aerodynamically-efficient pointed bullets (as opposed to the spherical balls used in muskets) and thus improves range and accuracy.



## SHOTGUN

A shotgun is generally a smoothbore firearm, which means that the inside of the barrel is not rifled. Preceding smoothbore firearms, such as the musket, were widely used by armies in the 18th century. A shotgun (also known as a scattergun and peppergun, or historically as a fowling piece) is a firearm that is usually designed to be fired from the shoulder, which uses the energy of a fixed shell to fire a number of small spherical pellets called shot, or a solid projectile called a slug. Shotguns come in a wide variety of sizes, ranging from 5.5 mm (.22 inch) bore up to 5 cm (2 inch) bore, and in a range of firearm operating mechanisms, including breech loading, single-barreled, double or combination gun, pump-action, bolt-, and lever-action, semi-automatic, and even fully automatic variants. The shot pellets from a shotgun spread upon leaving the barrel, and the power of the burning charge is divided among the pellets, which means that the energy of any one ball of shot is fairly low.



75. A model of face showing irregular shaped wound on forehead with bleeding from nose condition known as split laceration



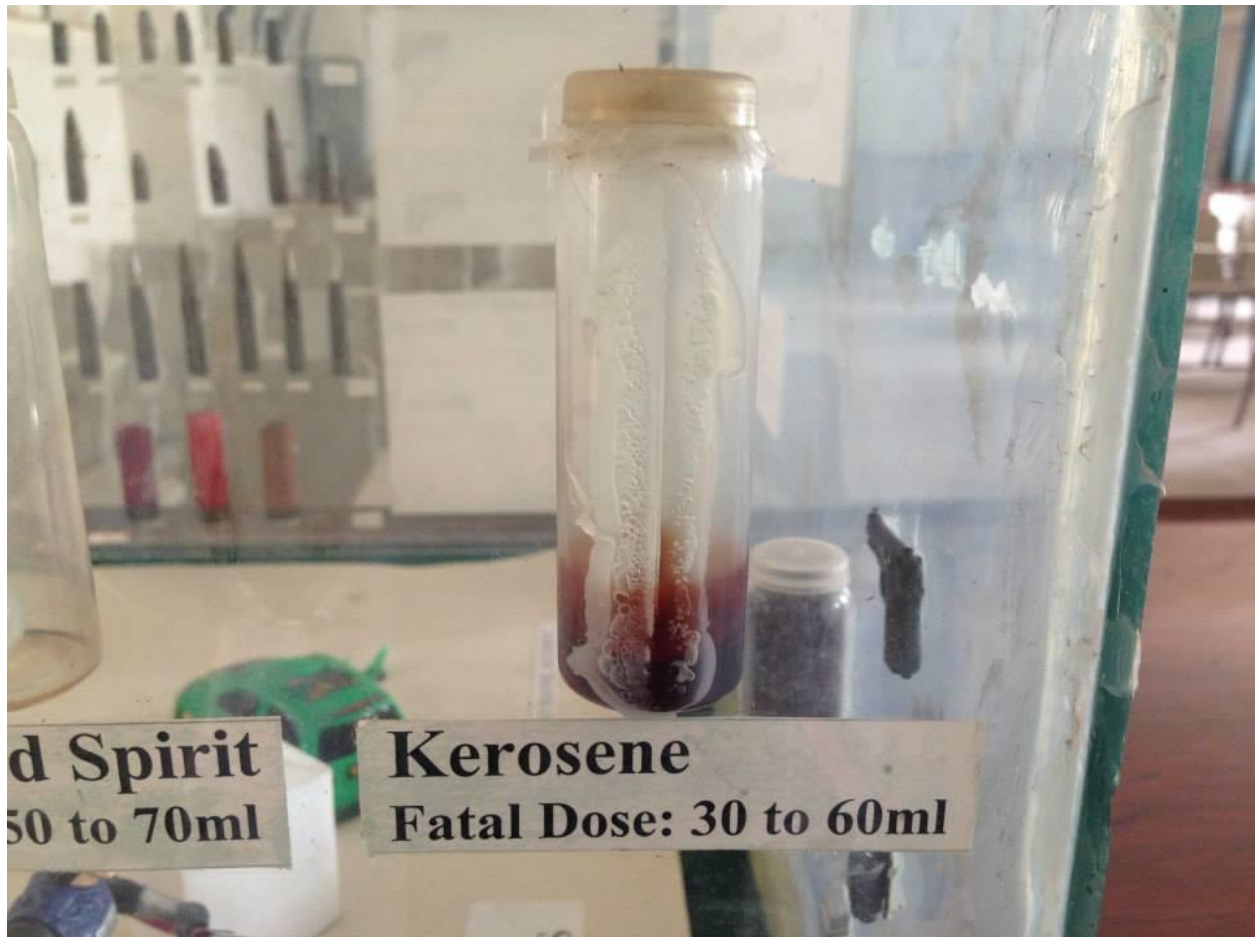




Domestic Violence  
(Nose Tip Cut)  
Itlaf-e-Salahiyate-udh



















# NS BETWEEN ND EXIT WOUND

IF THE ENTRY WOUND  
AST IS LARGER THAN  
THE BULLET COMES  
CARRYING THE BONE

OT THE ENTRY WOUND  
F SMALLER OR OF THE  
E EXIT WOUND, THE  
AY BE DEVERTED AS THE  
WIND AT THE EXIT

HELP TO DISTINGUISH  
IT



## CHARACTERISTICS OF EXIT WOUND



FREE FROM SIGNS OF BURNING  
BLACKENING OR TATTOOING  
FIBRES OF THE CLOTHES TURNED  
OUT, EVERTED IRREGULAR EDGES  
MORE BLEEDING AT THE EXIT WOUND  
IF THE ENERGY OF BULLET IS REDUCED  
THERE MAY BE NO EXIT WOUND

WOUND OF EXIT



WOUND OF EXIT



WOUND OF EXIT

# TUBES





## 1 - FIRST AID MEASURES

- i: Tourniquet: Apply proximal to bite
- ii: Bandage: wrapped over bitten area
- iii: Scalpel: parallel incision must be made through fang marks.

## CHARACTERISTICS OF SHOTGUN INJURIES VARYING RANGES

2



**A FEW INCHES**  
SINGLE (IRREGULAR) HOLE, BURNING,  
BLACKENING AND TATTOOING, CARBON  
MONOXIDE, WADS

3



**ONE YARD**  
SINGLE HOLE  
SINGEING, BLACKENING? TATTOOING,  
WADS

4



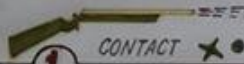
**THREE  
YARDS**  
IRREGULAR WOUND SATELLITE,  
PELLET PATTERN, WADS

5



**FIVE  
YARDS**  
IRREGULAR  
WOUND, SATELLITE PELLET  
PATTERN OF DIAMETER 5"

6



1

CONTACT

**RAGGED TEAR, BURNING, BLACKENING,  
AND TATTOOING (IN THE WOUND TRACK).  
CARBON MONOXIDE, WADS**

**TEN YARDS**  
PELLET  
PATTERN OF  
DIAMETER 10"







Art# KFM/ID-2

DESCRIPTION:

Posterior profile of human forearm and hand showing tattoo marks.

M.I. IMPORTANCE:

Mark of identification of a person.

