

**LIVER WITH DIAPHRAGM
SHOWING SECONDARIES**

66



80 CIRRHOSIS LIVER

80



40



40 LIVER SHOWING LACERATION

27

BRAIN SHOWING SUBARACHNOID & SUB DURAL HEMORRHAGE

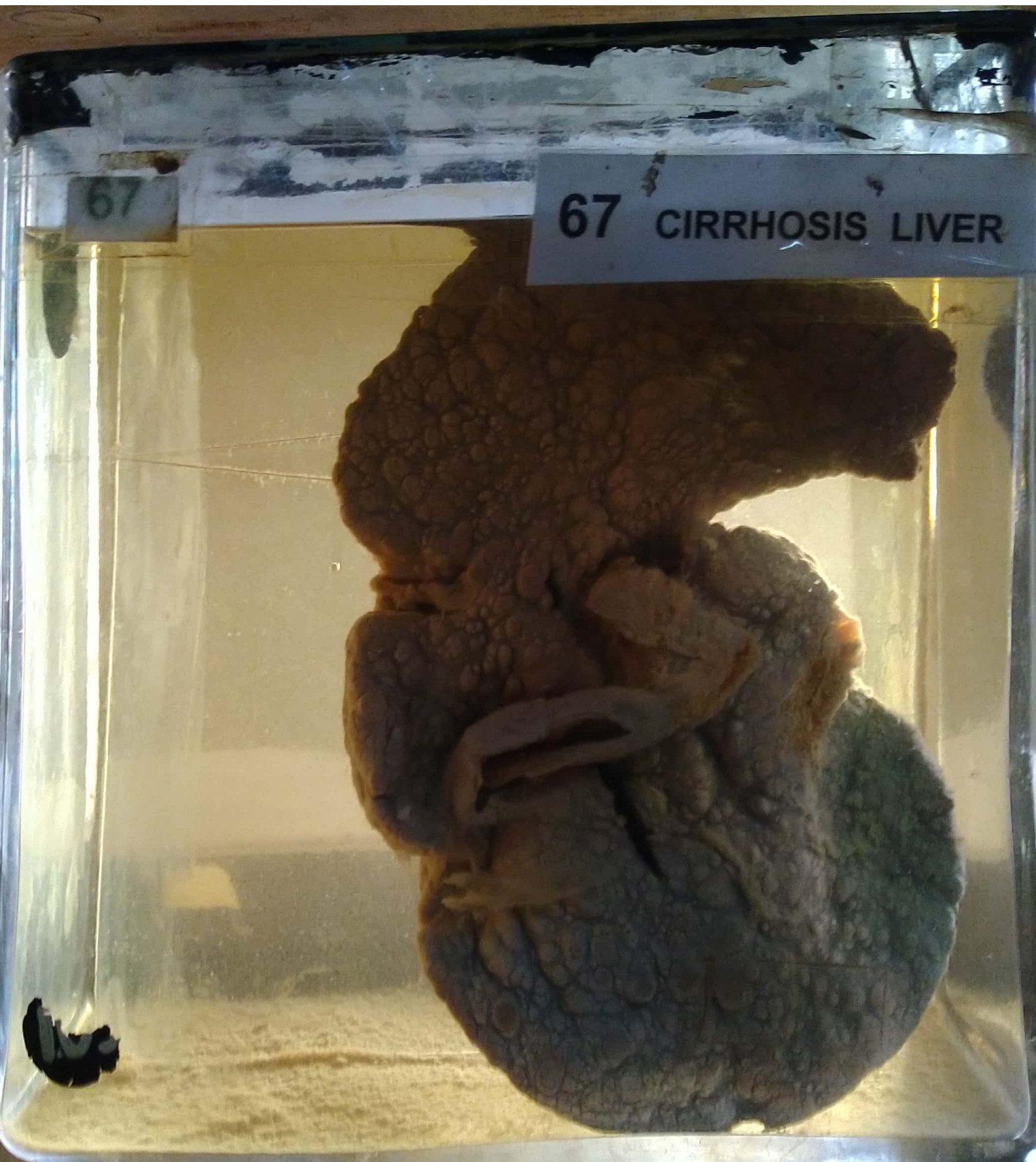


M.C.DALAL & CO.

12, PILLIAYAR KOIL STREET,
POST BOX No. 2346
MADRAS-3

21





69

69

CIRRHOSIS LIVER



LIVER - FATTY DEGENERATION

113 A-4



20

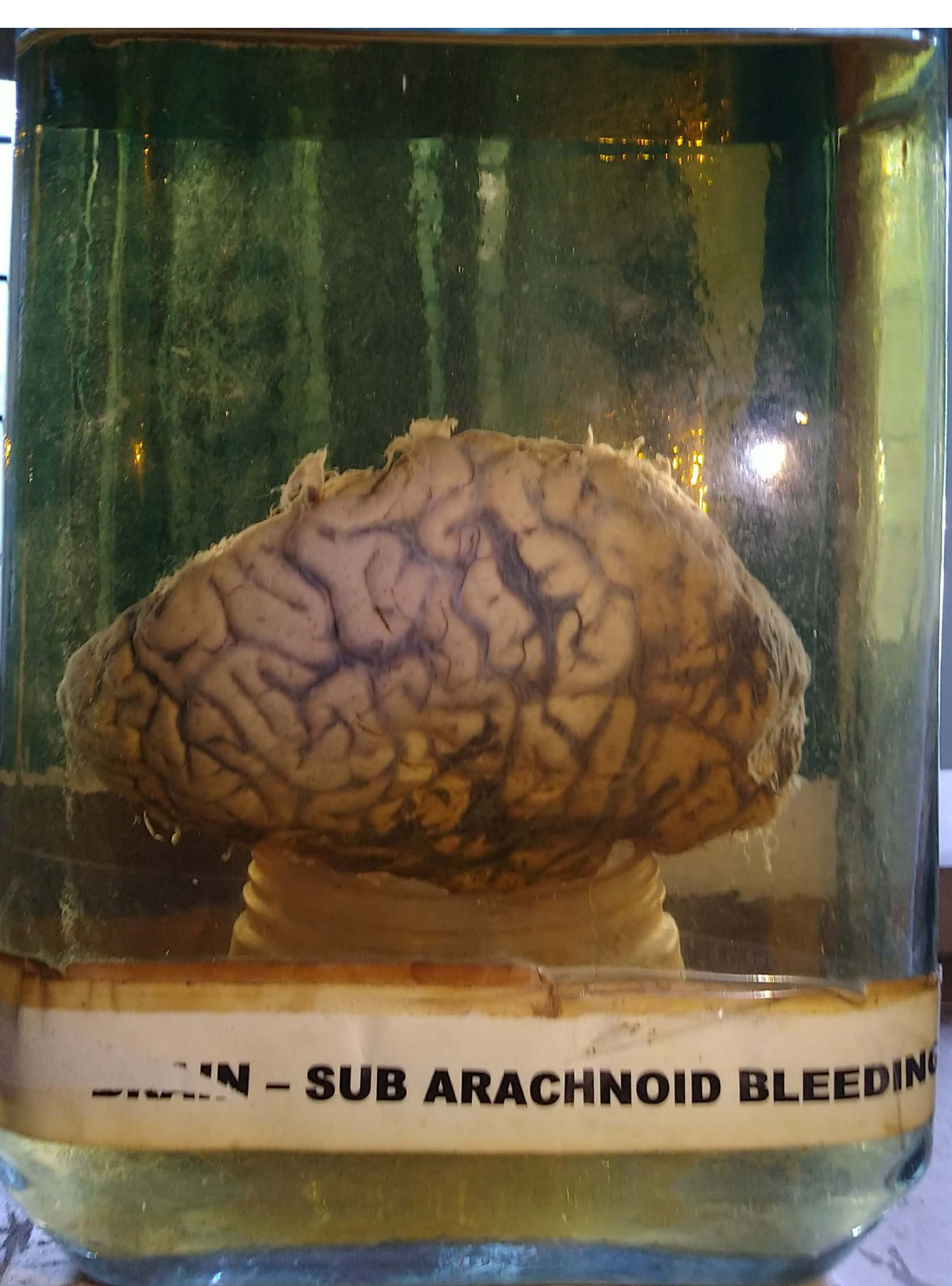
20 RUPTURED LIVER (MECHANICAL INJURY)

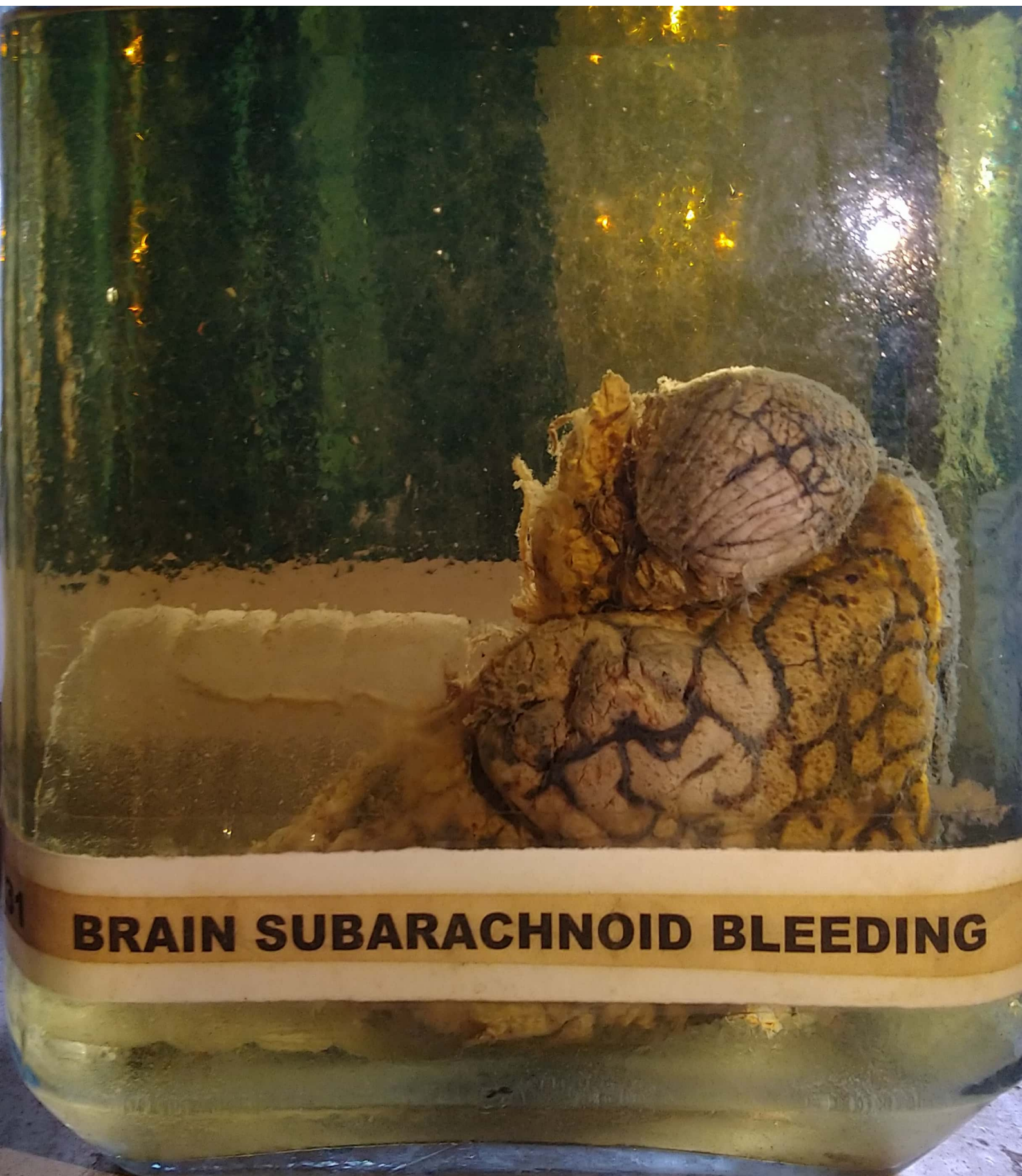


25 BRAIN STEM BLEEDING

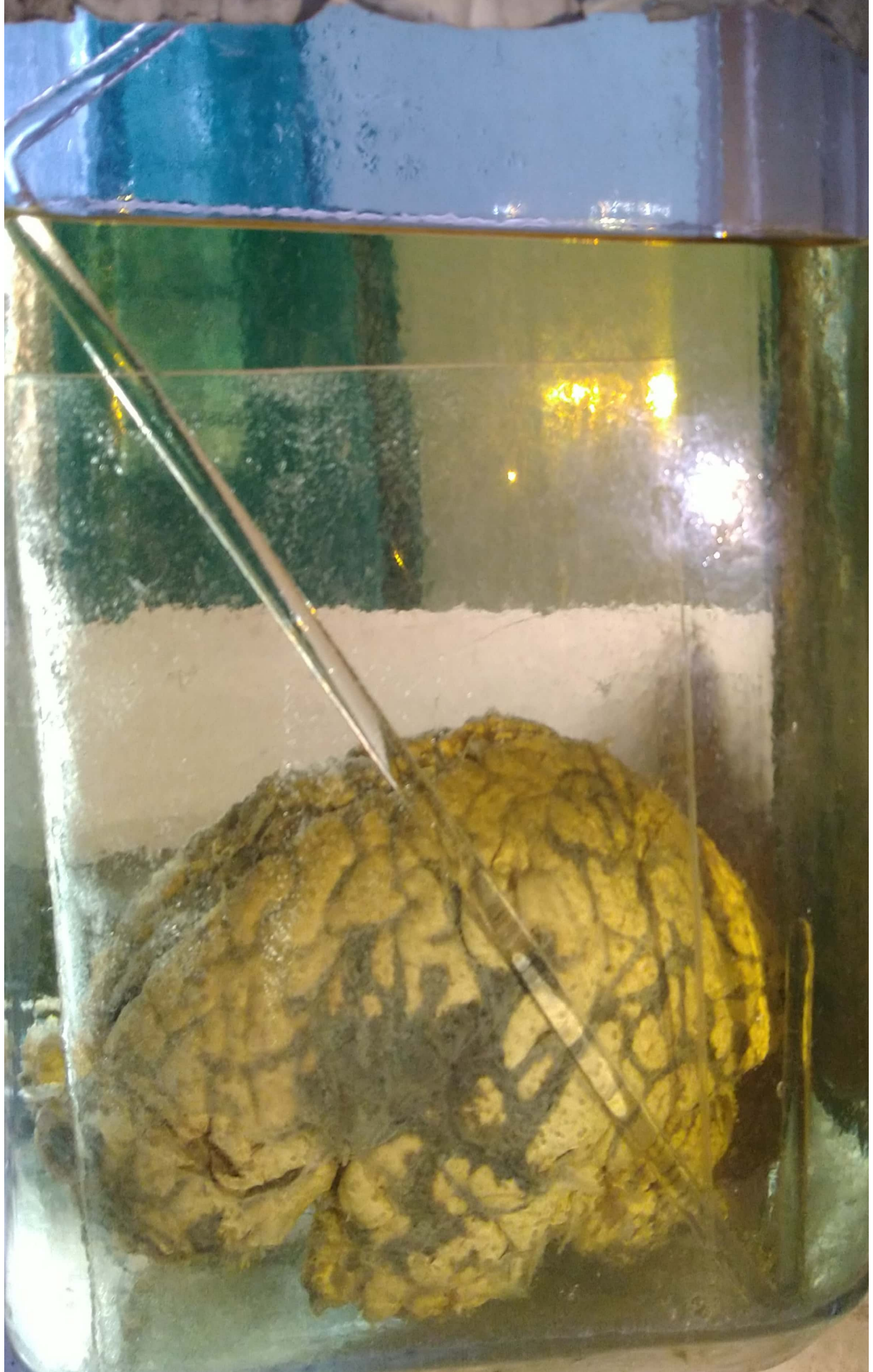






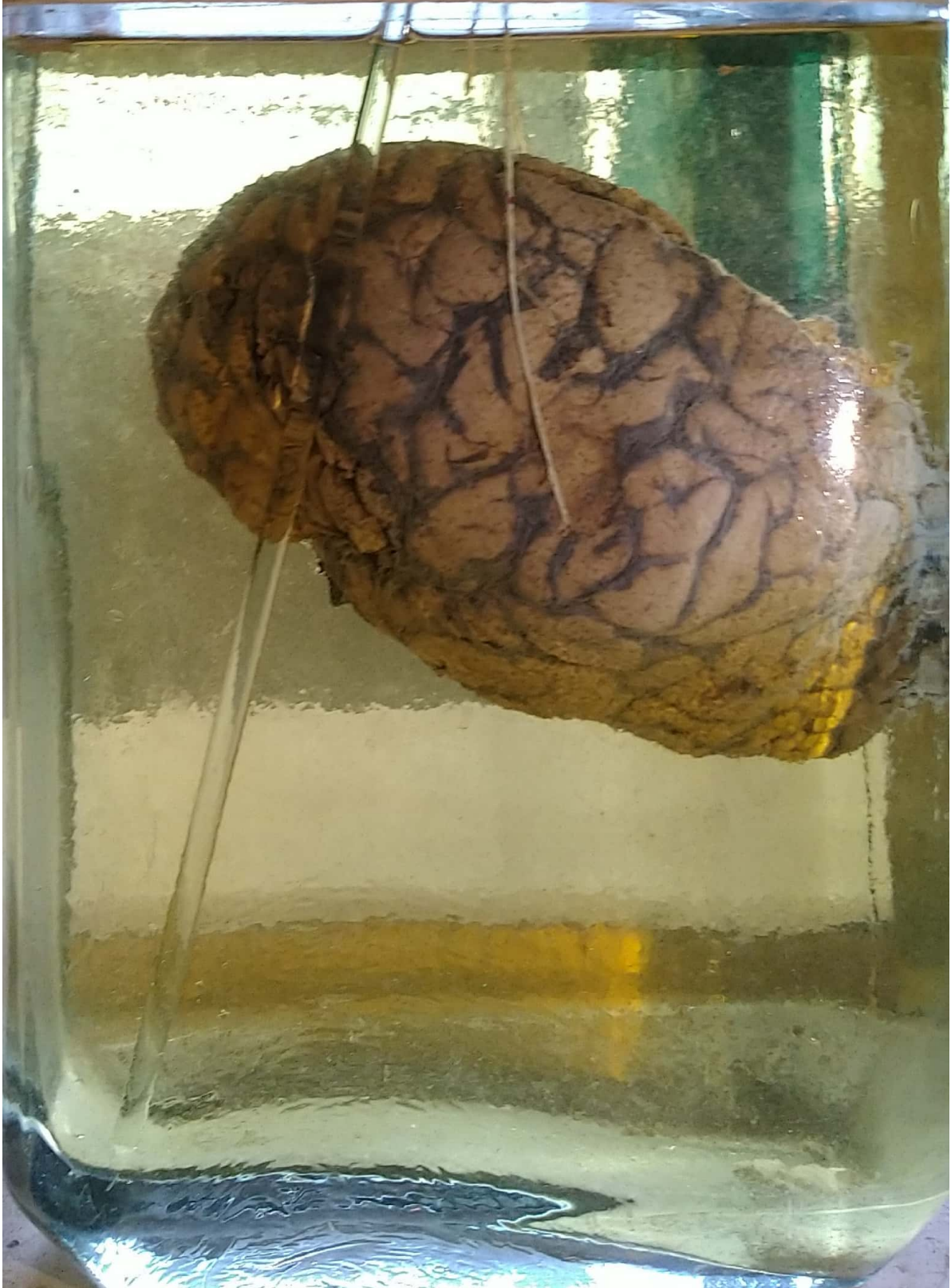


**BRAIN SHOWING SUBARACHNOID
HEMORRHAGE**



26

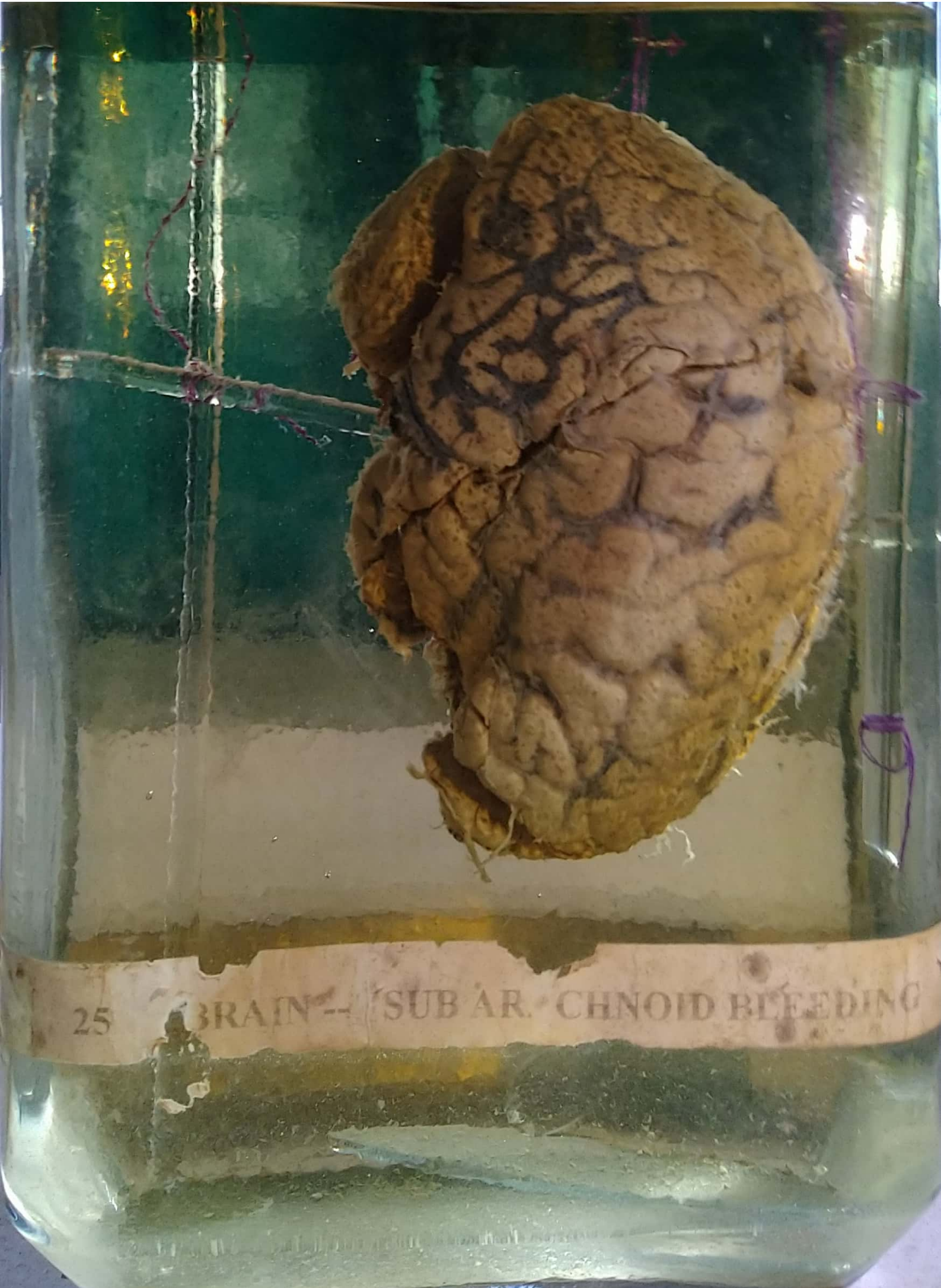
6 **BRAIN - SUB ARACHNOID BLEEDING**



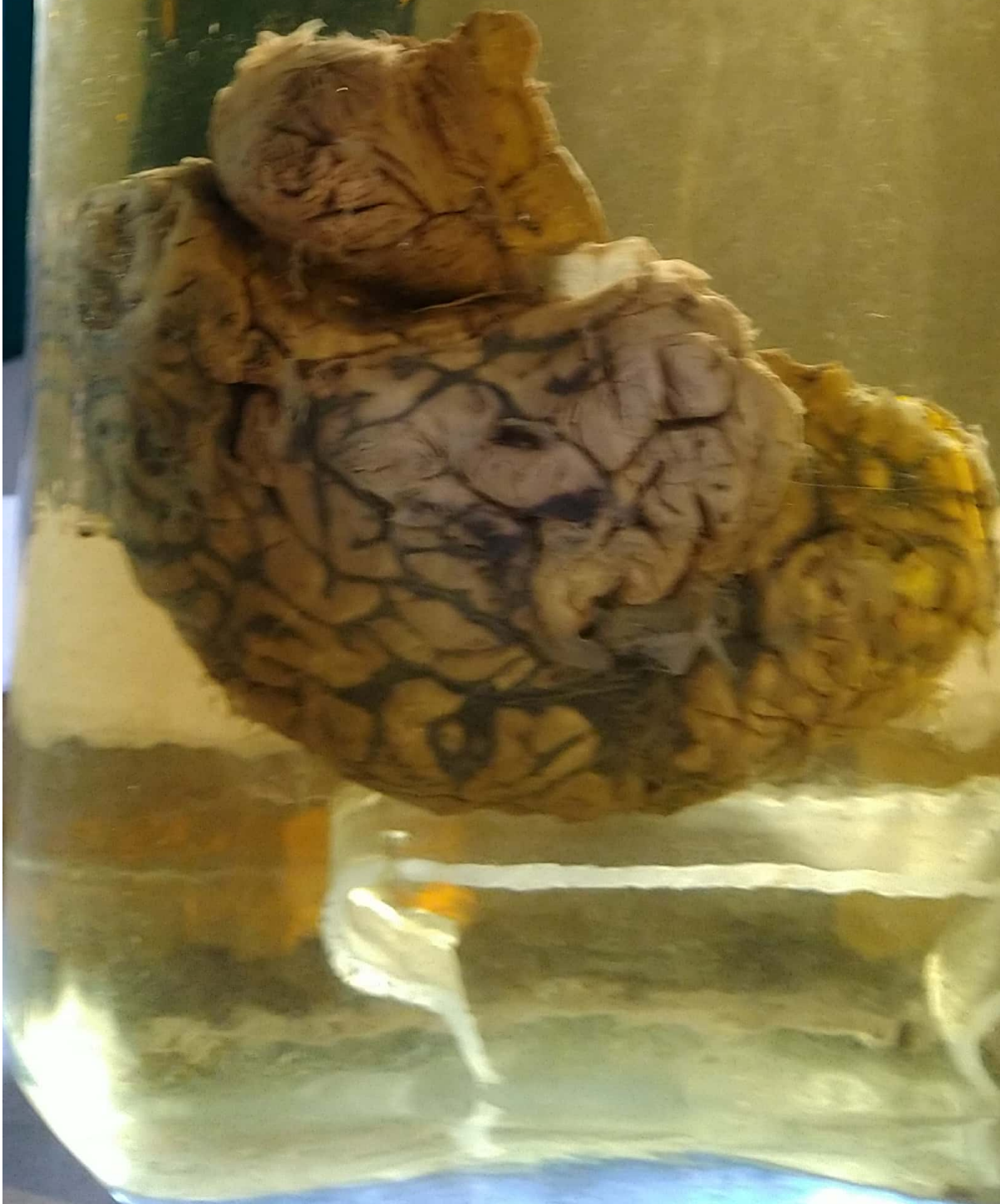
85

STOMACH SHOWING ACID POISONING





155 BRAIN - SUB ARACHNOID BLEEDING



36 LUNG SHOWING PIECE OF
GLASS IN SILT

36

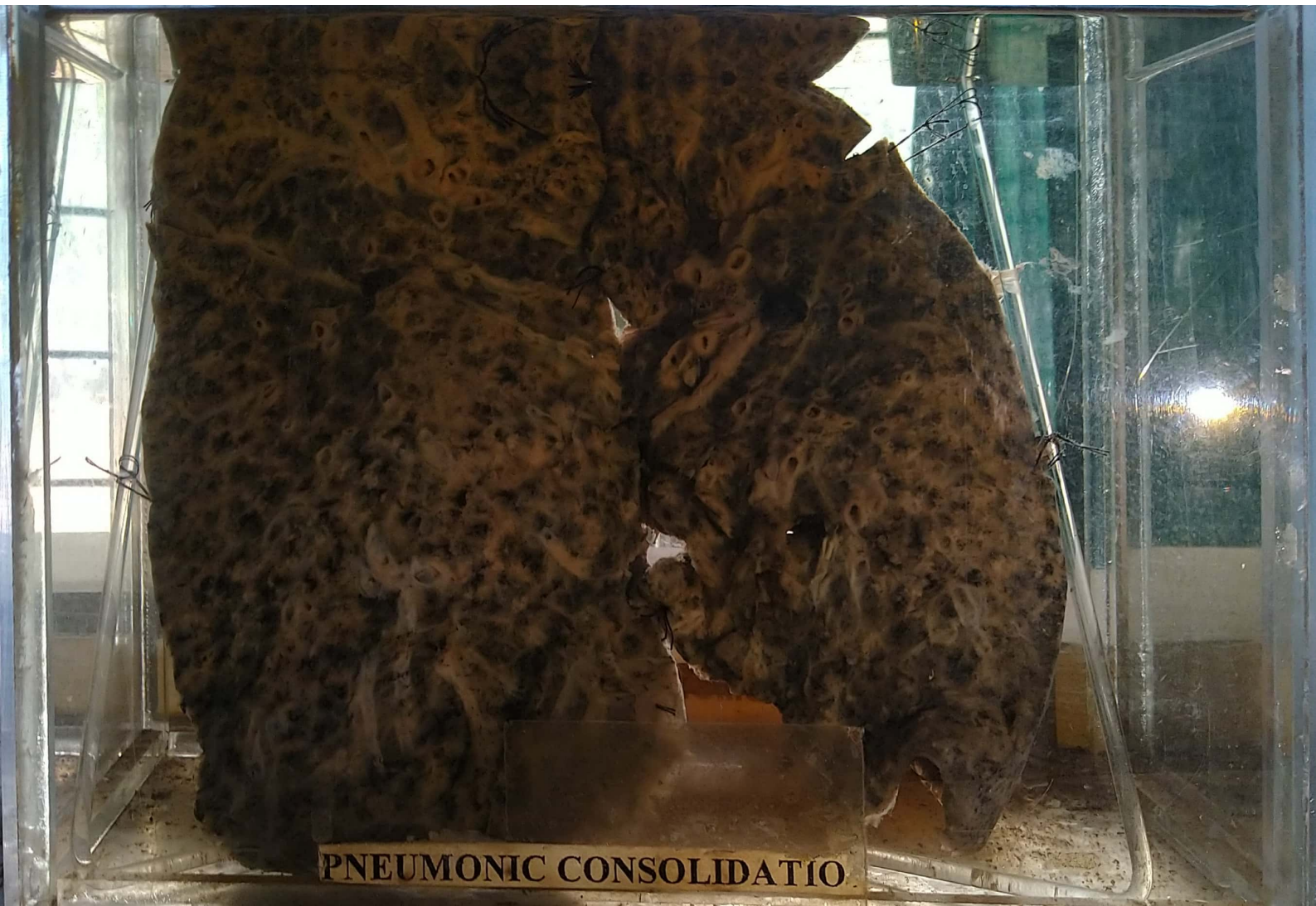




UNG SHOWING CYSTIC DISE

62 LUNG SHOWING ANTHRACOSIS





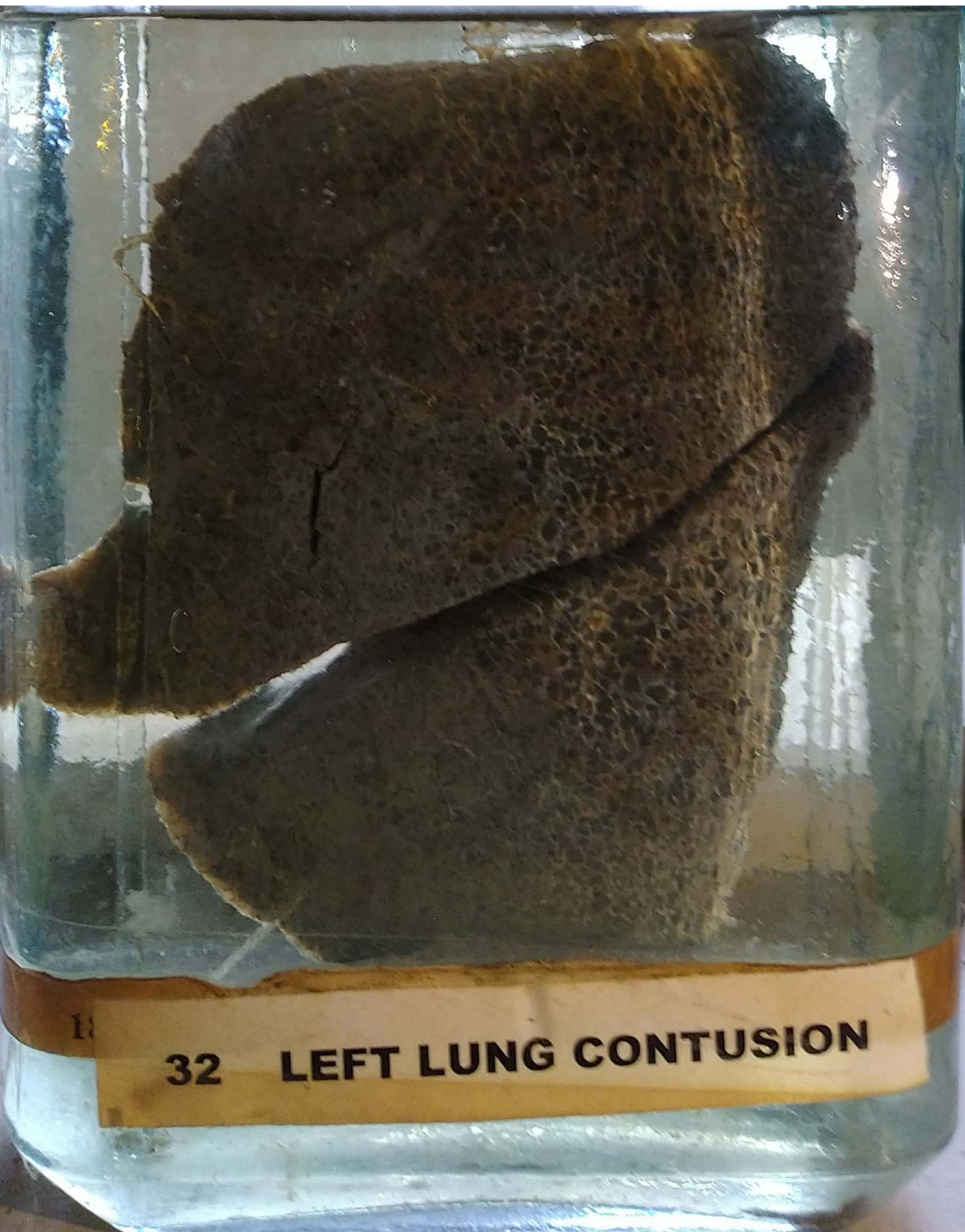
64 LUNG SHOWING SECONDARIES

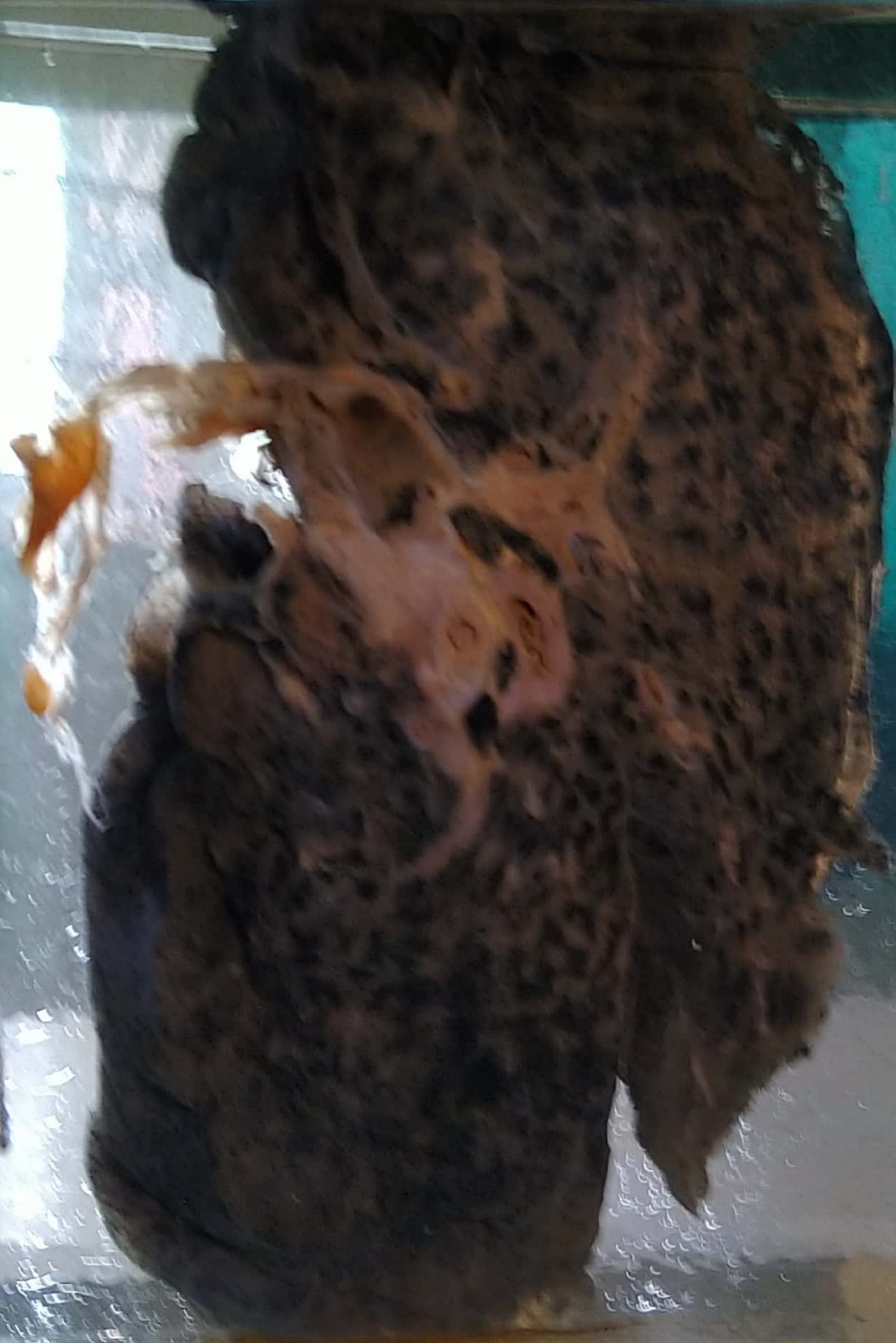
64





LEFT LUNG SHOWING STAB WOUND





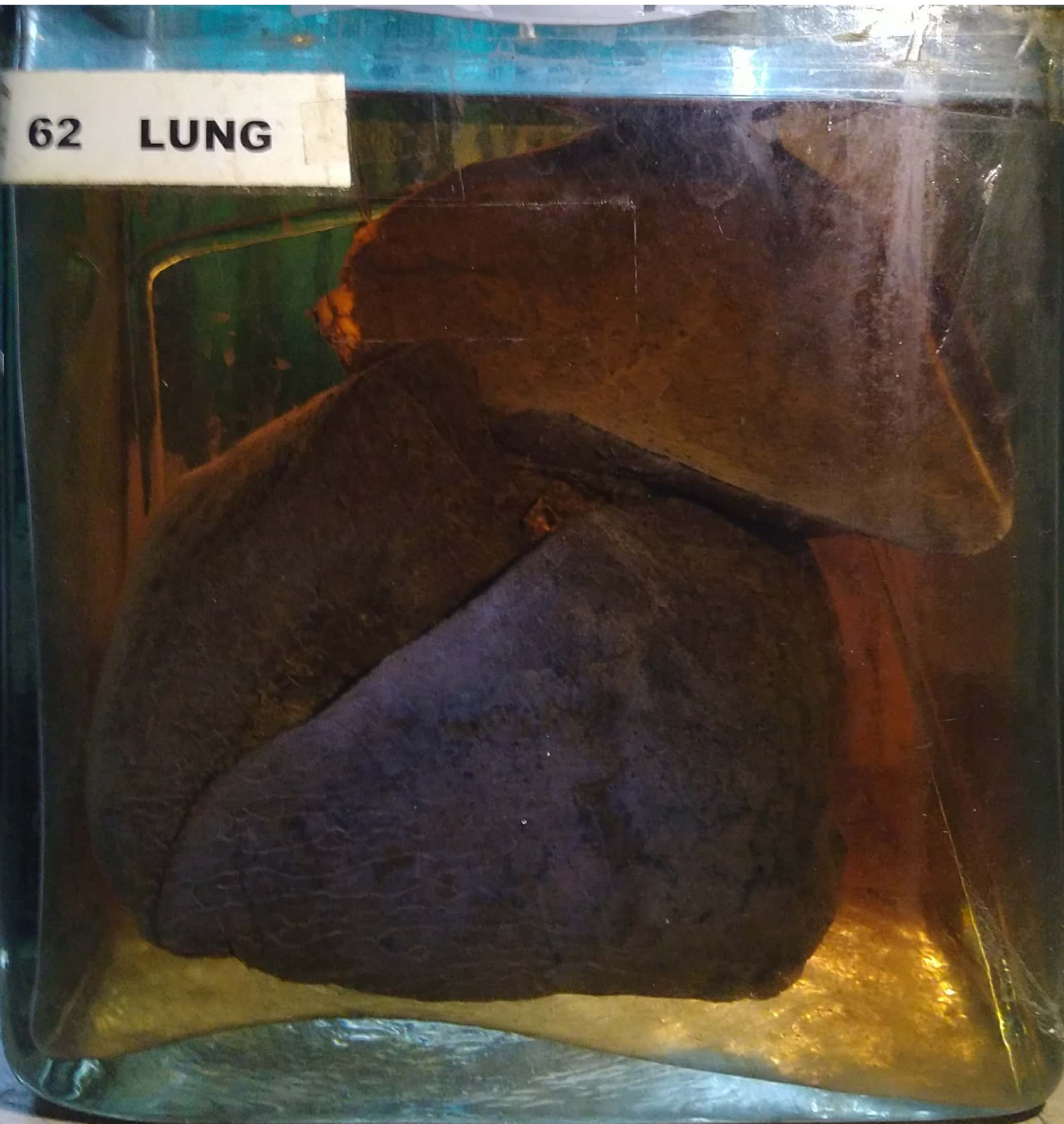
61

LUNG SHOWING PEUMONIC
CONSOLIDATION AND PNEUMOCONIOSIS

LUNG SHOWING SECONDARIES



62 LUNG



74 HEART SHOWING MURAL THROMBOSIS



KIDNEY SHOWING MULTIPLE S

77

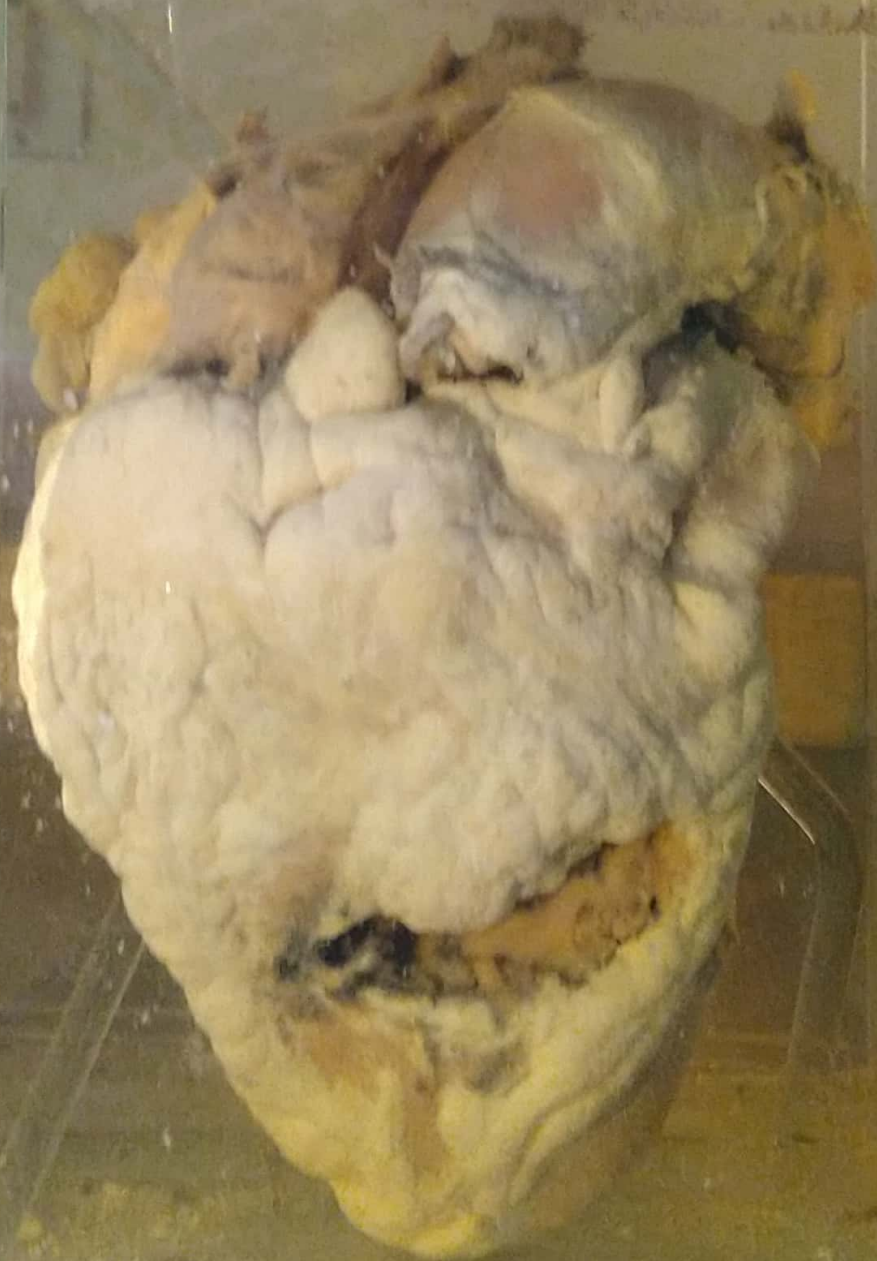


MYOCARDIAL INFARCTION



18-9

RUPTURE HEART



**HEART SHOWING MURAL
THROMBOSIS**

76



16



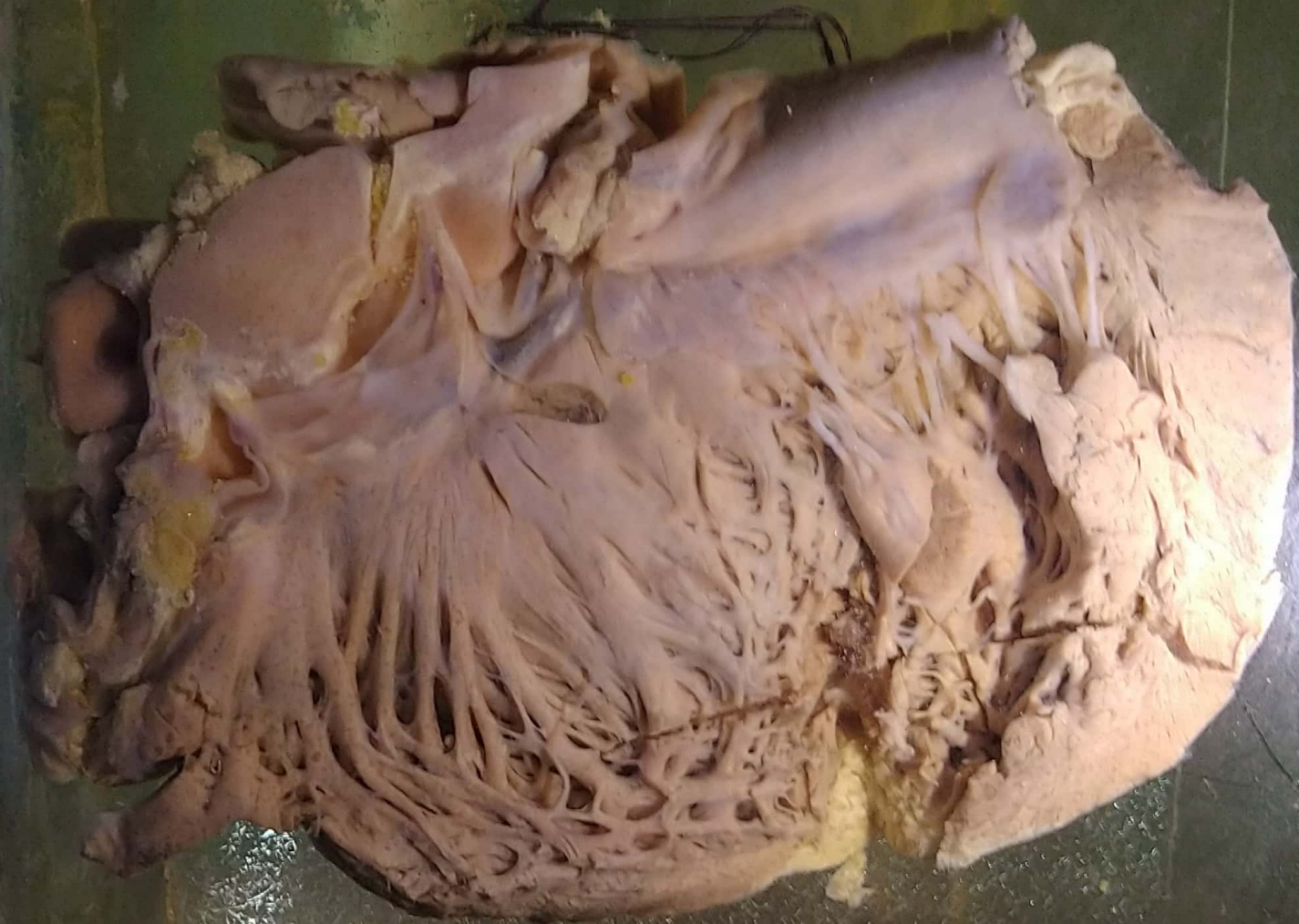
**HEART – CONTUSION LEFT
VENTRICULAR WALLS WITH
ENDOCARDIAL BLEEDING (BLU**

17

P.M.NO.635/99

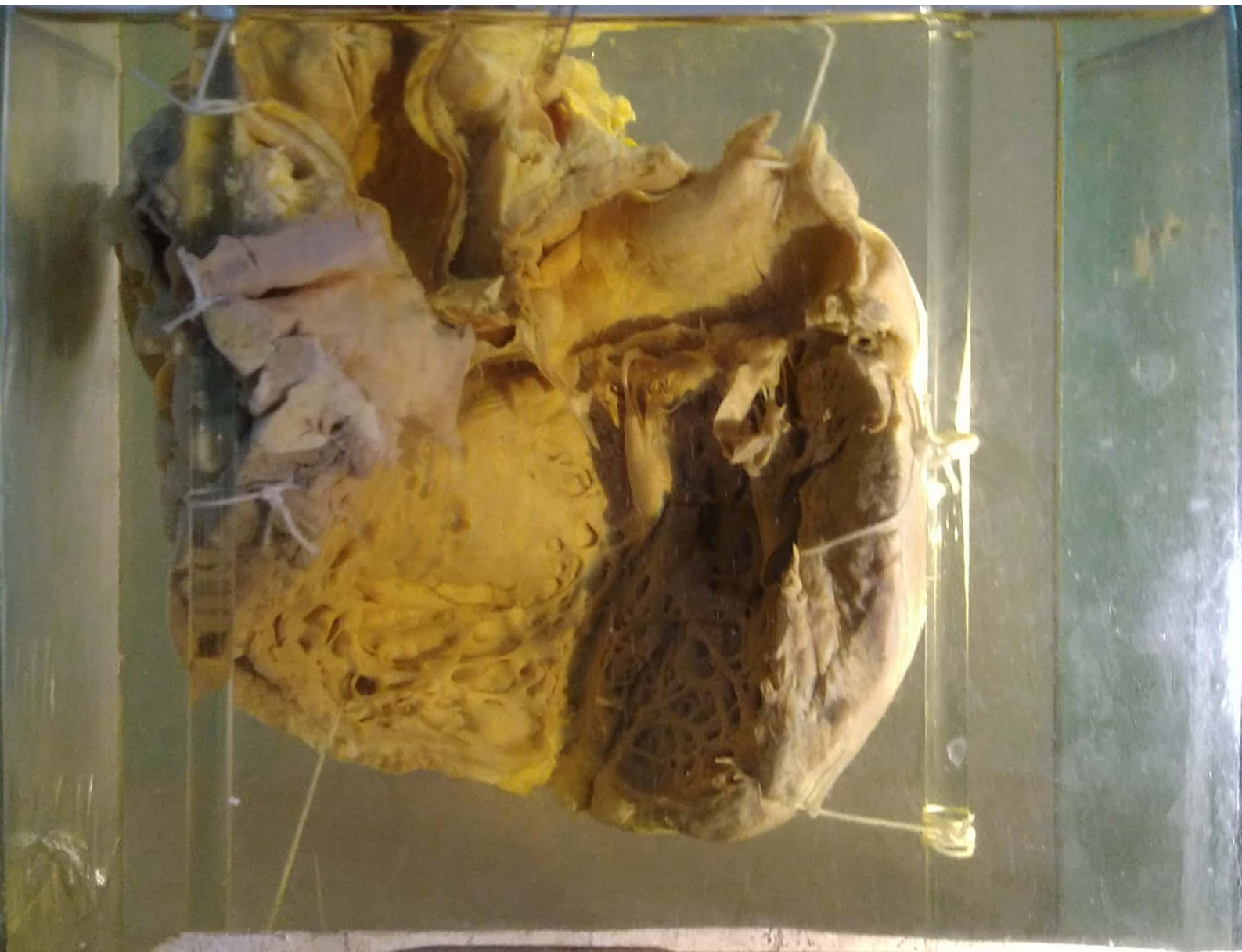


17 **CONTUSION HEART**



71

**HEART – LEFT VENTRICLE
EARLY ENDOCARDIAL FIBROSIS**



**88 HEART SHOWING MYOCARDIAL
INFARCTION & MYOCARDIAL FIBROSIS**

VIPER

113 A-5



STOMACH- CORROSIVE POISONING



AORTA – ATHEROMATOUS STREAKS



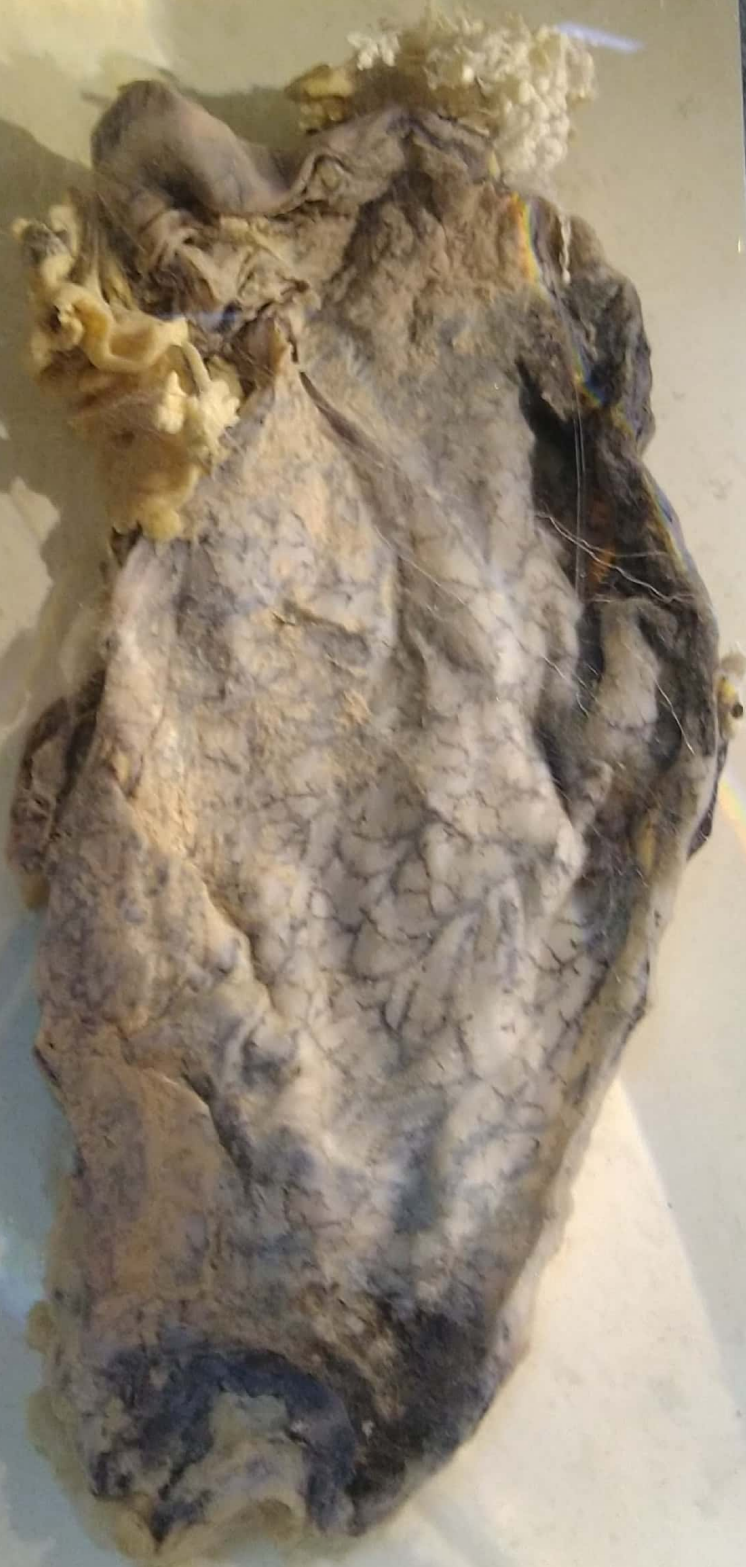
70 AORTA SHOWING ATHEROMATOUS LESIONS

OESOPHAGUS IN H_2SO_4 POISONING

90



04



**STOMACH SHOWING COROSSIVE
POISONING**

ESOPHAGUS IN HNO_3 POISONING

83



**89 STOMACH SHOWING SULPHURIC
ACID POISONING**



65



65 LUNG - PNEUMONIC CONSOLIDATION

STOMACH – PHENOL POISONING

87



82

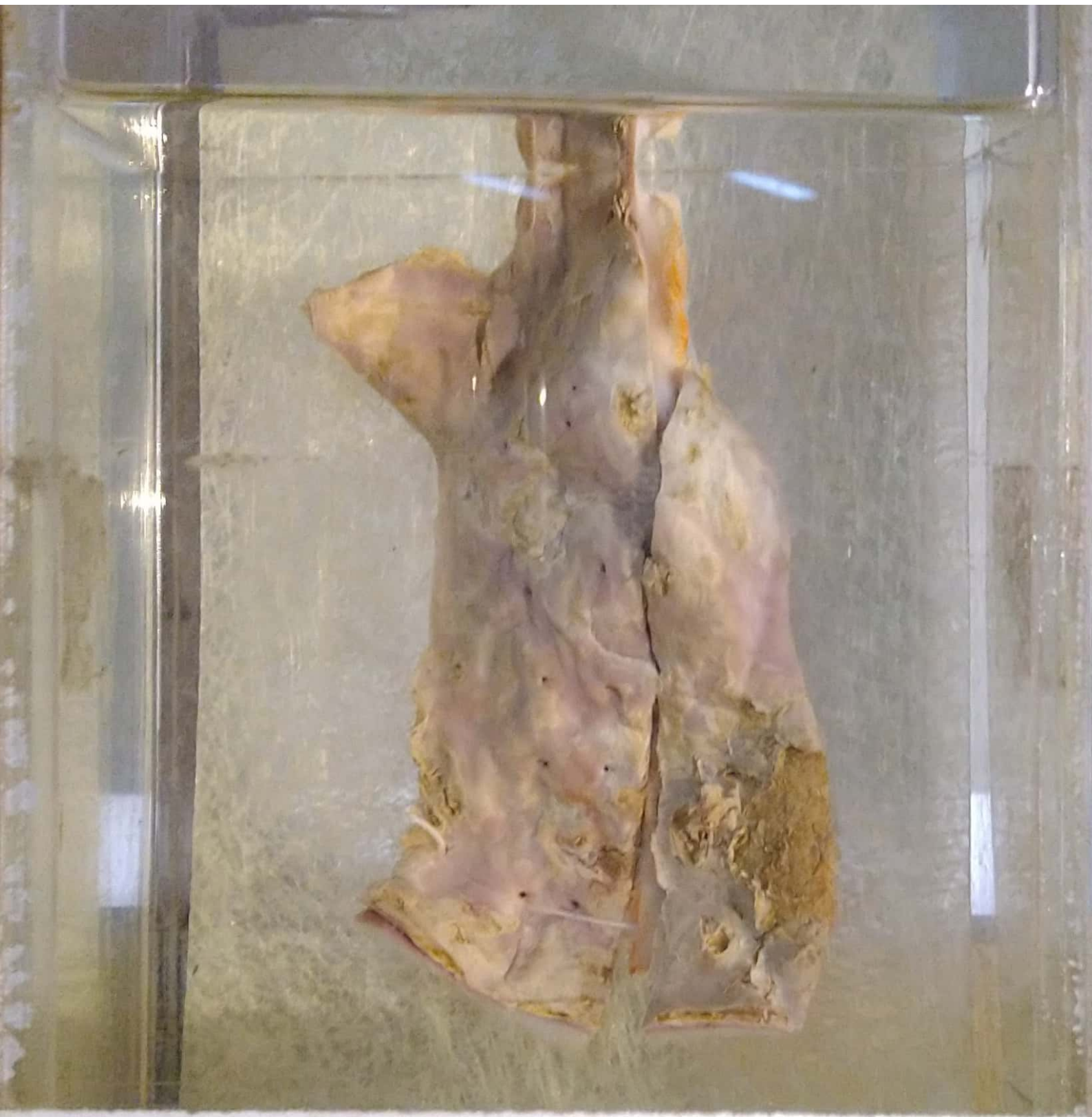
STOMACH – PHENOL POISONING

82



86

STOMACH – NITRIC ACID POISONING



**AORTA – WITH ATHEROMAT
ULCERS & PLAQUES**



FRACTURE CARTILAGE – NECK

VESICULAR MOLE

13





EMBRYO WITH INTACT MEMBRANE



10

RUPTURED ECTOPIC PREGNANCY

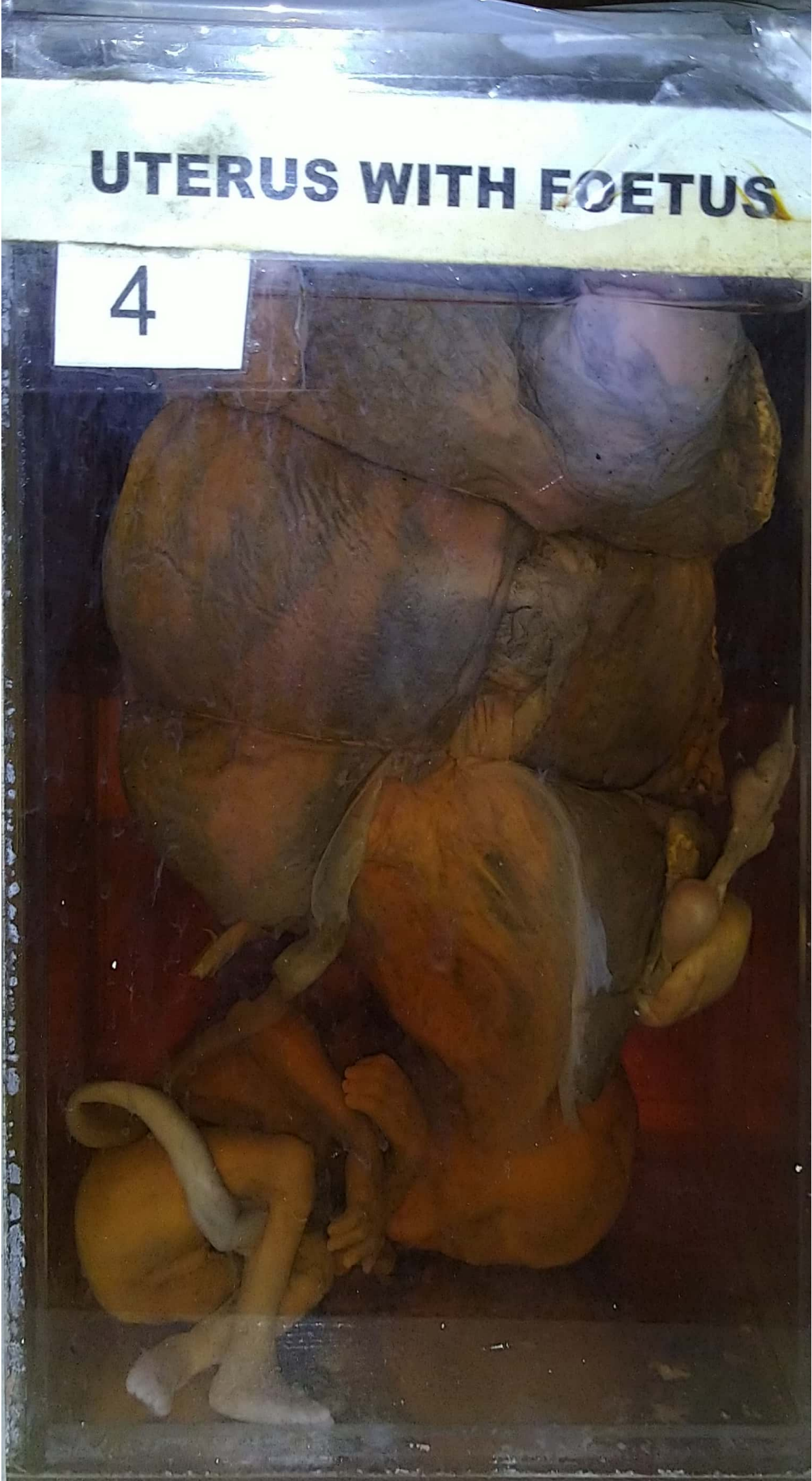
11 FOETUS

11



UTERUS WITH FOETUS

4



8



8 UTERUS WITH OVARIES

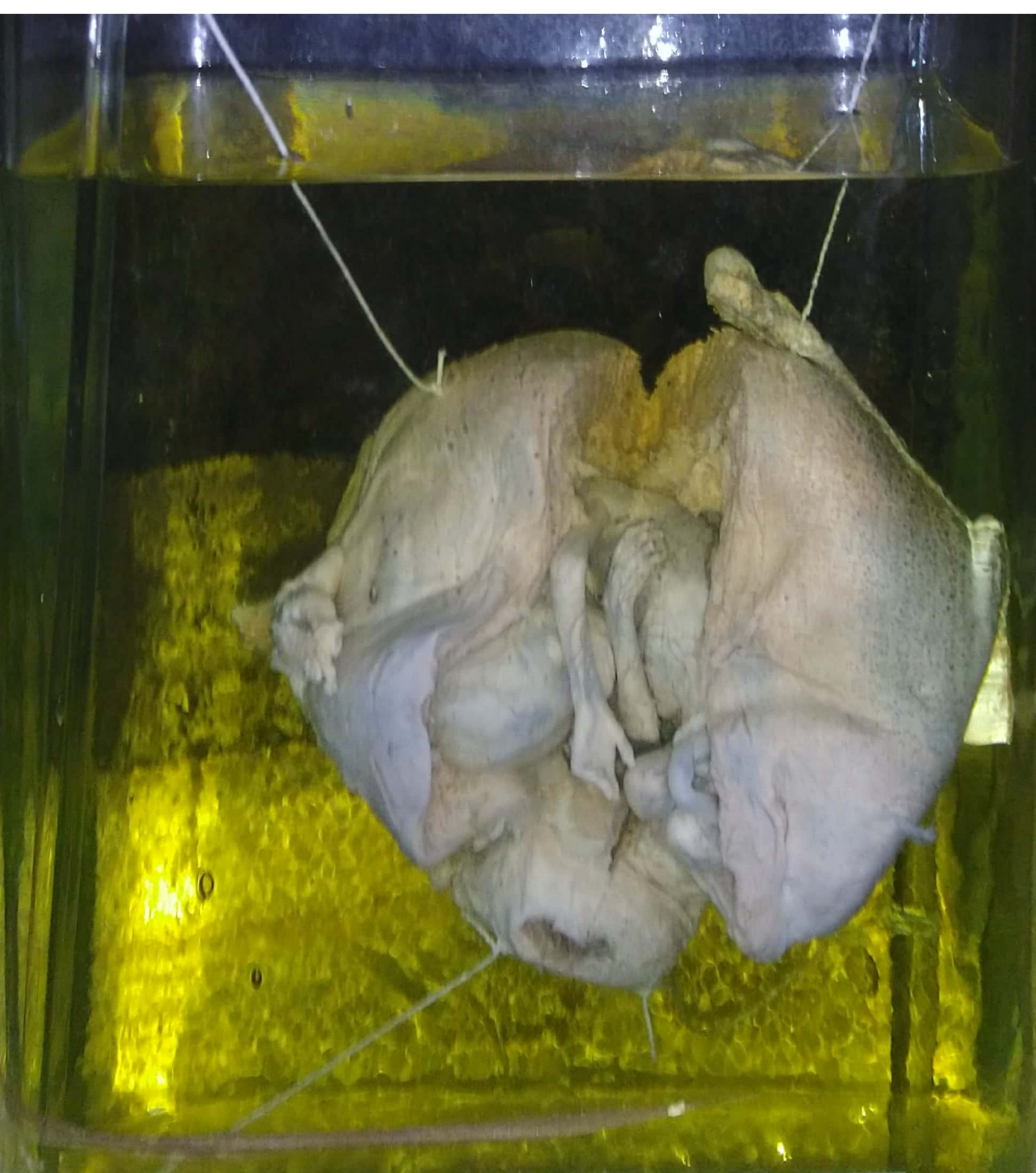


1 UTERUS WITH TUBES & OVARIES
FOETUS IN SITU - 4 MONTHS



3 UTERUS WITH OVARIES





9 UTERUS WITH FOETUS- 3 MONTHS

6 FOETUS WITH CORD & PLACENTA



**43 SKIN SHOWING
LIGATURE MARK**



STAB INJURY ----

STAB INJURY LARYNX



P.M.NO.11154

18

18

STAB INJURY - KIDNEY

ELECTROCUTION SKIN



45



SKIN --- PRESSURE ABRASION



**42 SKIN SHOWING
ELECTRICAL BURNS**

SKIN 'V' SHAPED - ANTEMOR INJURY

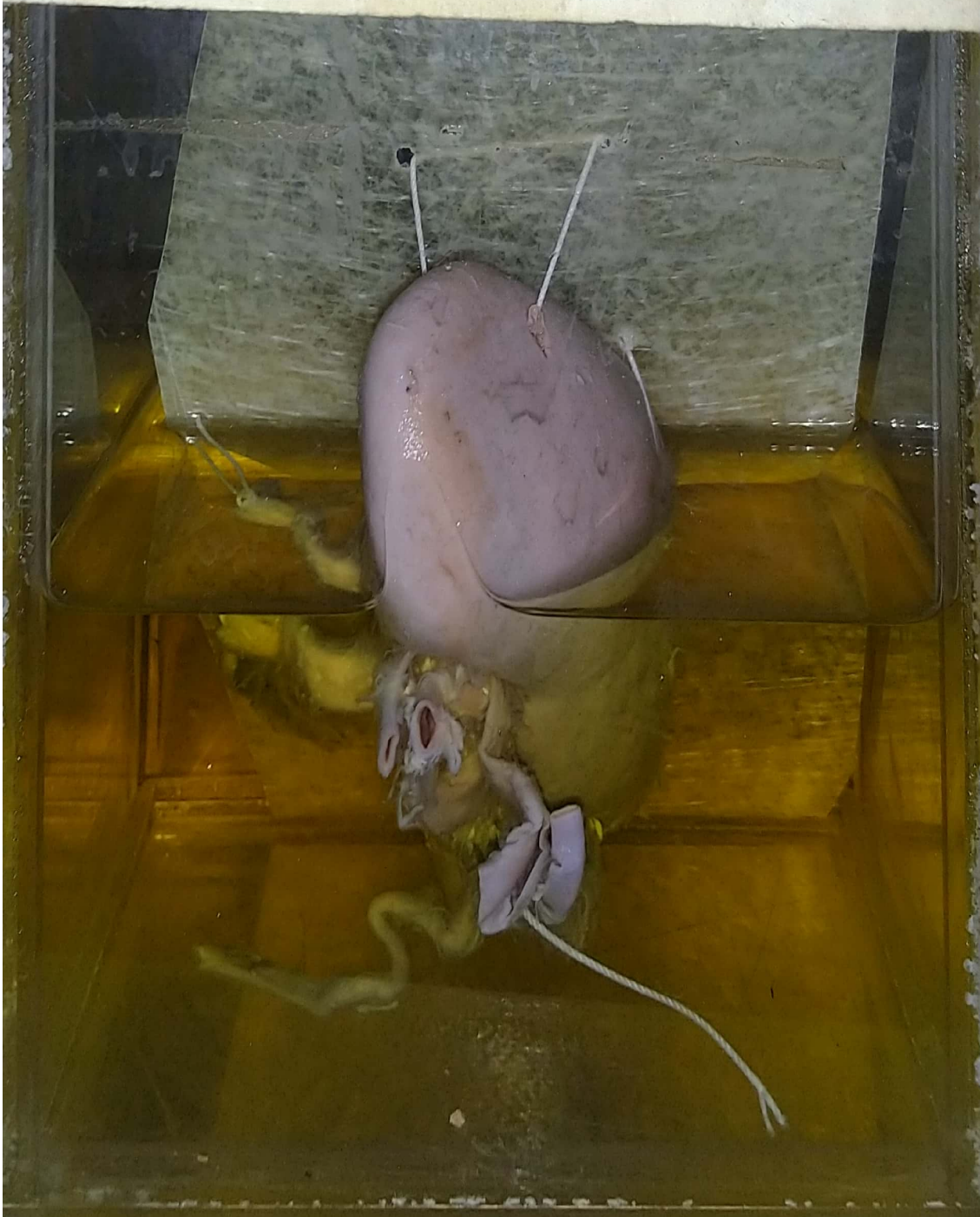


78

**78 KIDNEY SHOWING
MULTIPLE CYST**

19

**LEFT KIDNEY - LACERATION
LOWER POLE**



ENLARGED SPLEEN.



73



3 **AORTA SHOWING ATHEROMATOUS
STREAKS, PLAQUES AND ULCERS**

GOVERNMENT MEDICAL COLLEGE, ERNAKULAM
DEPARTMENT OF FORENSIC MEDICINE
ESTIMATION OF RADIOLOGICAL AGE
APPEARANCE AND FUSION OF OSSIFICATION CENTRES AND
AGE OF ERUPTION OF PERMANENT TEETH

CARPAL BONES

[Appearance in years]

11 to 12	3	4	5
P	Tr	L	S
H	C	Td	Tm
2	1	5	6

STERNUM [Segments]

1st	6th Month of IUL
2nd	6th Month of IUL
3rd	7th Month of IUL
4th	7th Month of IUL
5th	9th Month of IUL

Manubrium fuses with body at 60 years

Xiphoid Process fuses at 40 years

SACRUM [Segments]

1st	4-5 Months of IUL
2nd	4-5 Months of IUL
3rd	6-7 Months of IUL
4th	6-7 Months of IUL
5th	8th Month of IUL

Fusion starts by Puberty

Fusion completes by 20-25 years of age

ERUPTION OF PERMANENT TEETH

[In Years]

1	1st Molar	6 to 7
2	Central Incisor	7 to 8
3	Lateral Incisor	8 to 9
4	Canine	11 to 12
5	1st Premolar	9 to 11
6	2nd Premolar	10 to 12
7	2nd Molar	12 to 14
8	3rd Molar	17 or more

3rd Molars may not erupt at times

OSSIFICATION CENTRES	App.*	Fusion*
Shoulder Joint		
Tip of Acromion	14	18
Coracoid Process	14	18
Head of Humerus	1	
Greater Tuberosity	3	
Lesser Tuberosity	5	
Composite Mass (Hd+GT+LT)	6	16 - 18
Elbow Joint		
Capitulum	2	
Trochlea	11	
Lateral Epicondyle	13	
Composite Mass (Cp+Tr+LE)	13	14 - 17
Medial Epicondyle	8	14 - 17
Radius - Upper end	6	14 - 17
Ulna - Upper end	10	14 - 17
Wrist & Hand Joints		
Radius - Lower end	2	14 - 18
Ulna - Lower end	6	14 - 18
Base of 1st Metacarpal	2 to 4	14 - 17
Head of other Metacarpals	2 to 4	14 - 17
Pelvis		
Ischio-Pubic Rami Obltrn.		7 to 8
Tri-radiate Cartilage Obltrn.		11 to 14
Head of Femur	1	15
Greater Trochanter	4	14 - 17
Lesser Trochanter	11	14 - 17
Iliac Crest	14	18
Ischial Tuberosity	16	19F - 21M
Knee Joint		
Femur - Lower end	At birth	14 - 17
Tibia - Upper end	At birth	14 - 17
Fibula - Upper end		14 - 17
Tibia - Lower end	2	14 - 17

**Data expressed in years*