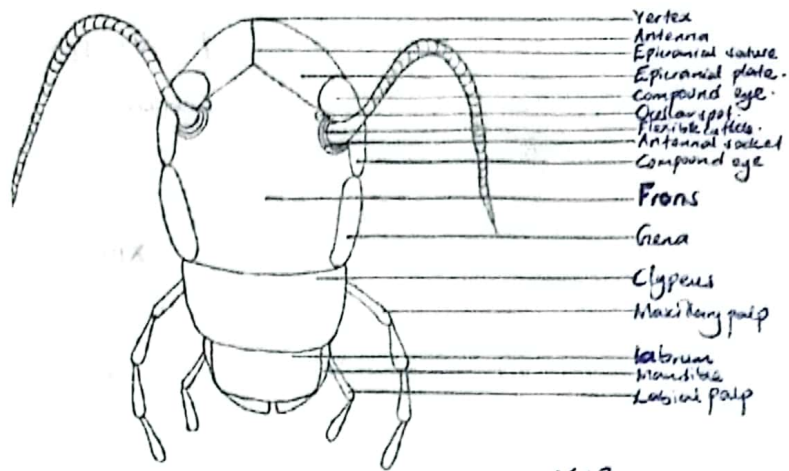


A GUIDE TO
DISSECTION

074568333

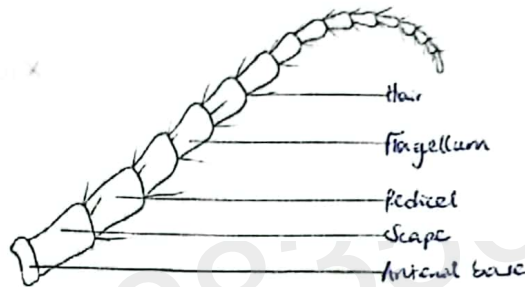
Surgeon
0705021884

① A drawing of the anterior view of the head of a cockroach.



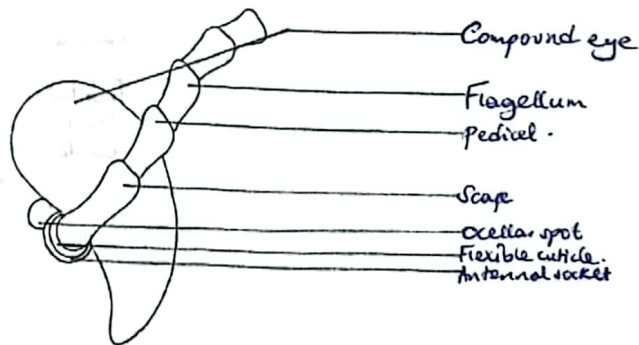
X13

② A drawing of the antenna of a cockroach.



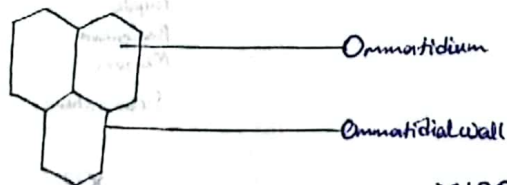
X8

③ A drawing of the left compound eye with the first five segments of the antenna.



X40

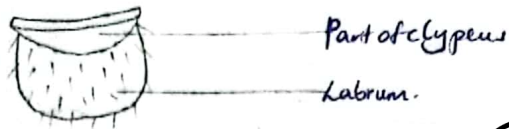
④ A drawing of three units of a compound eye of a cockroach viewed under a compound microscope.



X100

Surgeon
0705021884
0782306507

⑤ A drawing of the labrum of a cockroach using a microscope.



Surgeon
0705021884
0782306507

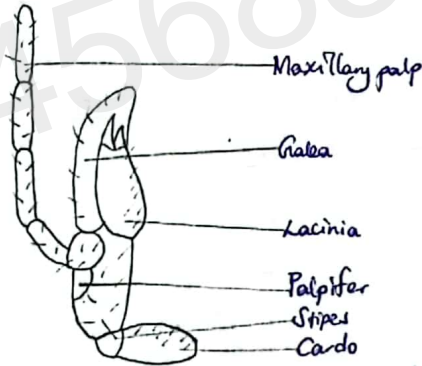
X10

⑥ A drawing of a ^{left} mandible of a cockroach using a hand lens.



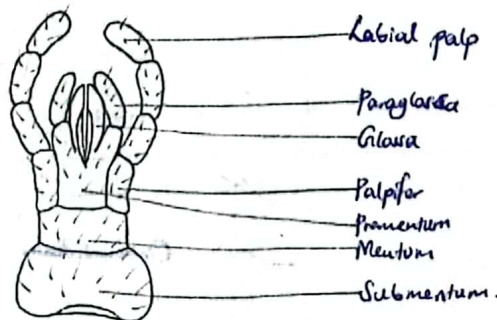
X10

⑦ A drawing of a maxilla of a cockroach using a ~~microscope~~ hand lens.



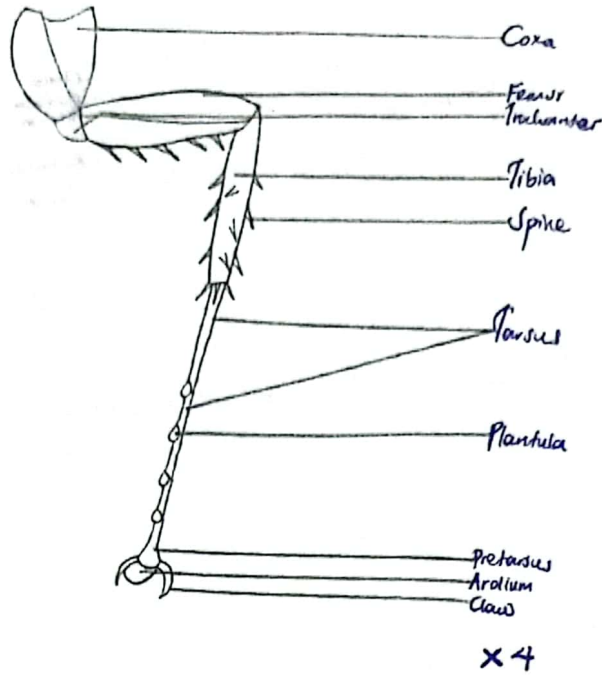
X10

⑧ A drawing of the labium of a cockroach.

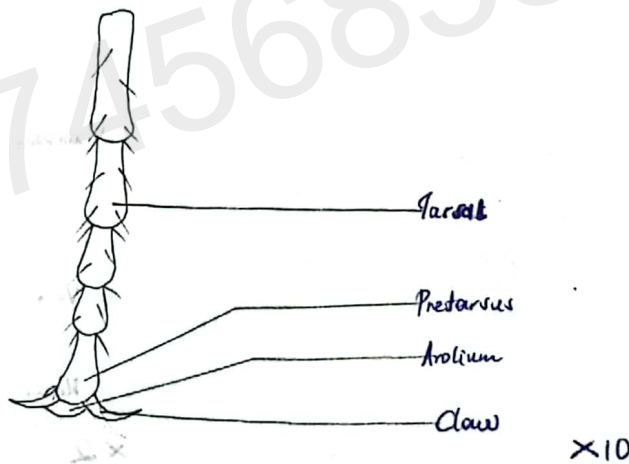


X12

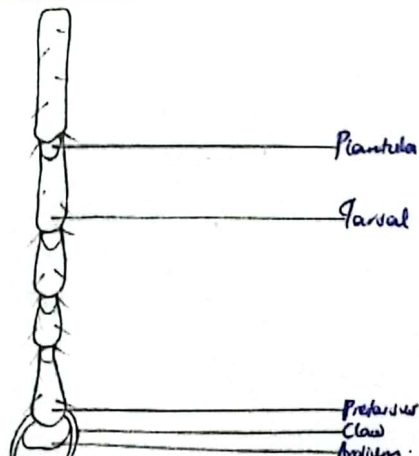
9) A drawing of the hind leg of a cockroach and its structures.



10) A drawing showing the posterior view of the foot of a cockroach.

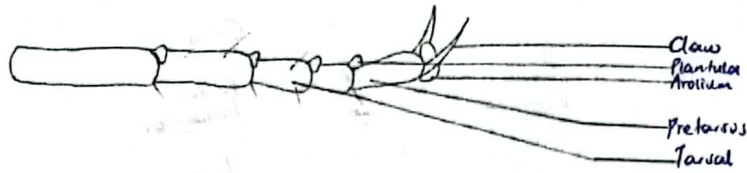


11) A drawing of the front view of the foot of the cockroach.



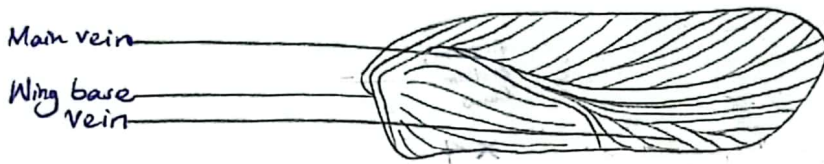
Surgeon
0705021884
0782306507

⑫ A drawing of the lateral view of a foot of the cockroach.



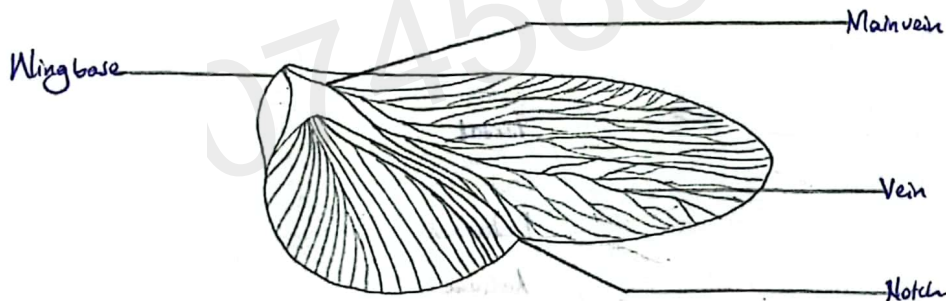
X 10

⑬ A drawing of the outer wing of a cockroach.



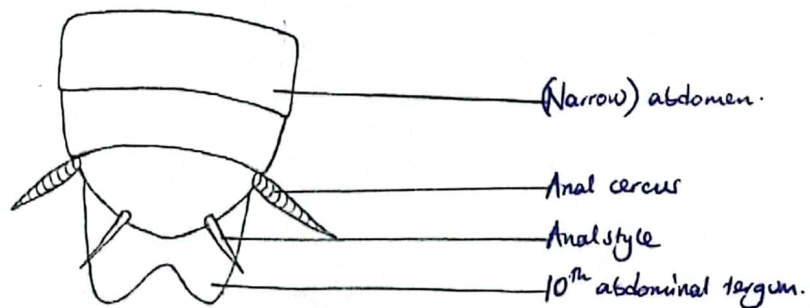
X 2

⑭ A drawing of the inner wing of a cockroach.



X 2

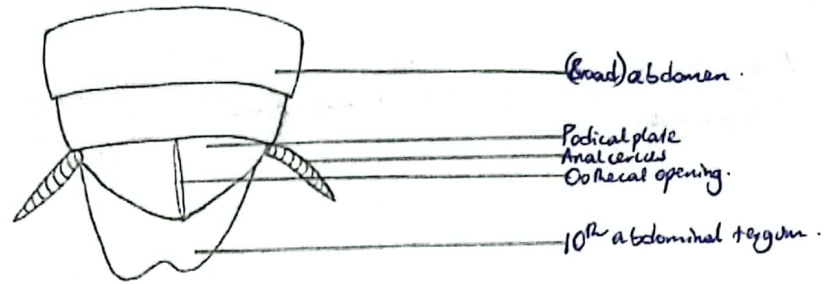
⑮ A drawing of the ventral view of the posterior end of the abdomen of a male cockroach.



X 3

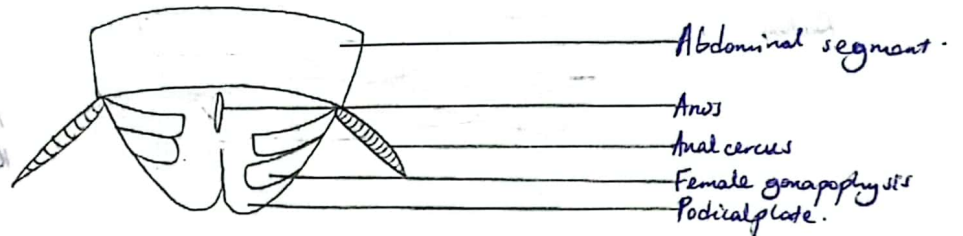
Surgeon
0705021884
0782306507

16 A drawing of the posterior end of the abdomen of a female cockroach in ventral view.



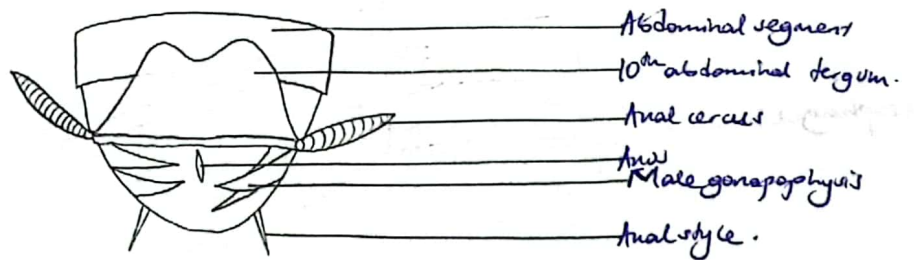
X3

17 A drawing of the structures at the distal end of the abdomen after cutting off the 10th tergum of a male cockroach.



X3

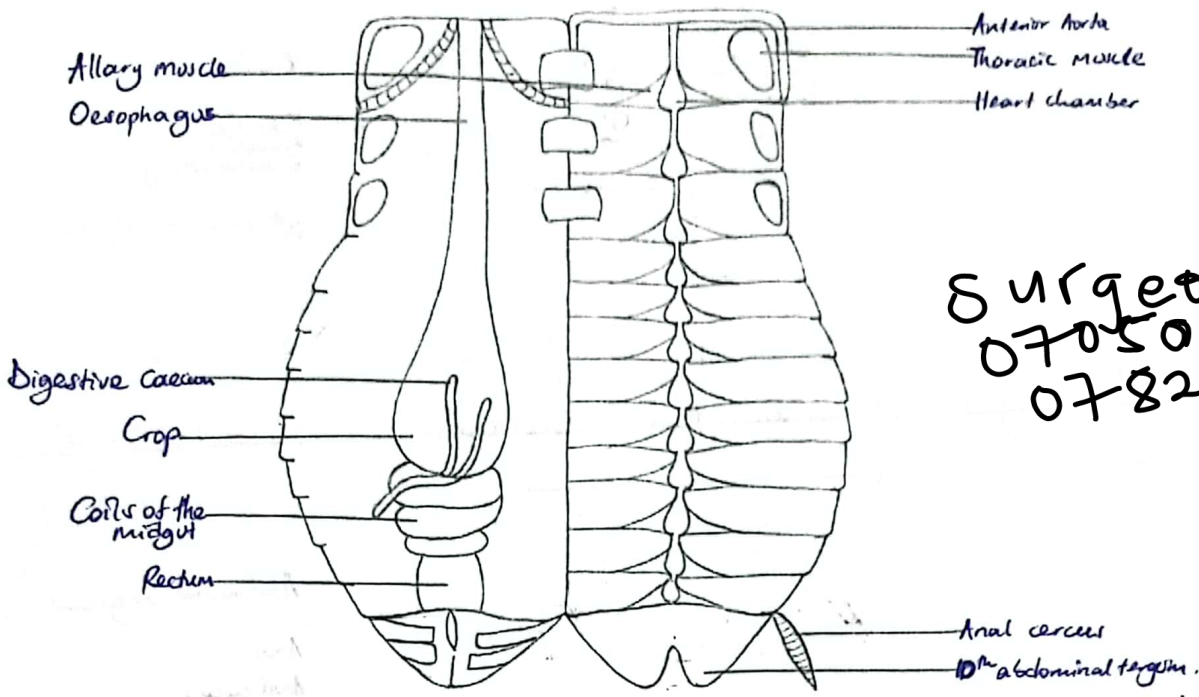
18 A drawing ^{of} showing the structures at the distal end of the abdomen of a male cockroach after lifting up the 10th tergum.



X3

Surgeon
0705021884
0782306507

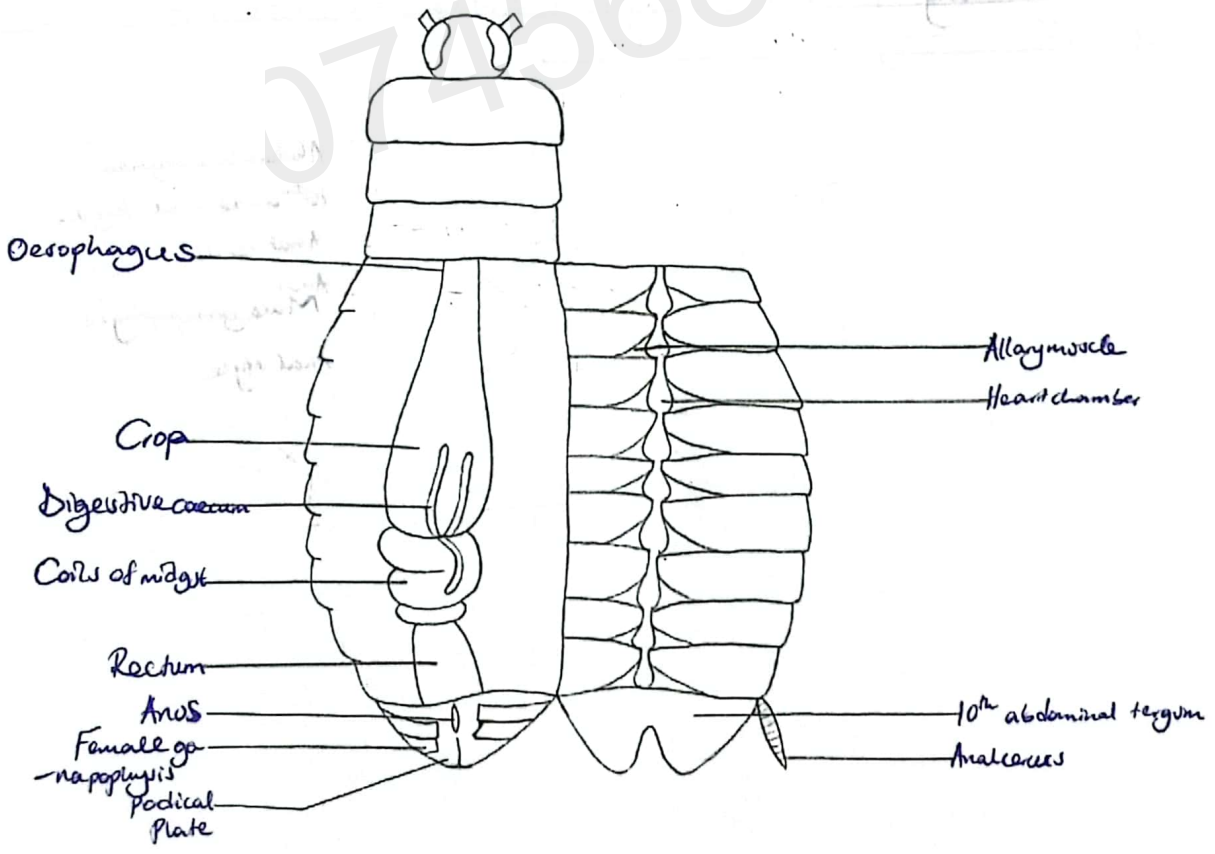
19) A drawing of the alimentary canal in undisplaced state, and the structures on the dorsal cuticle of a cockroach.



Surgeon
0705021884
0782306507

x3

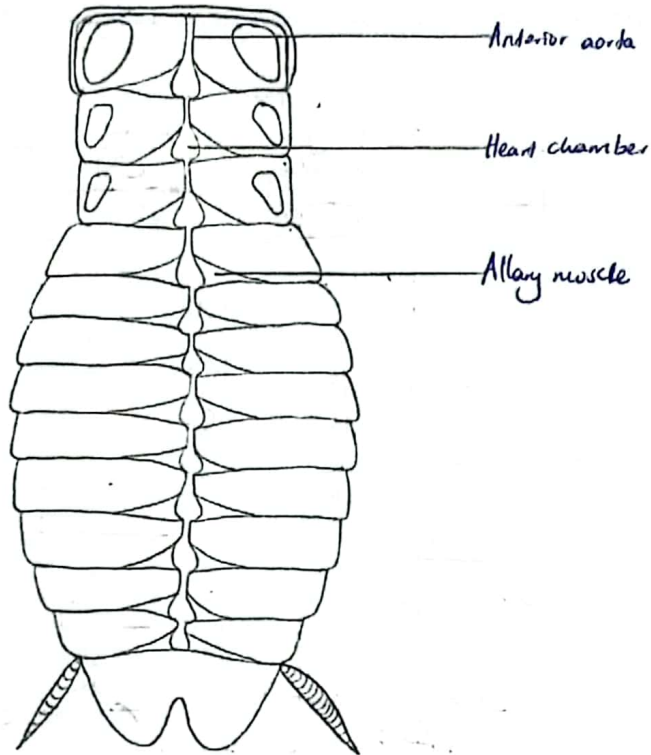
20) A drawing showing the structures in the abdominal region of a cockroach without displacing any structures.



x3

21

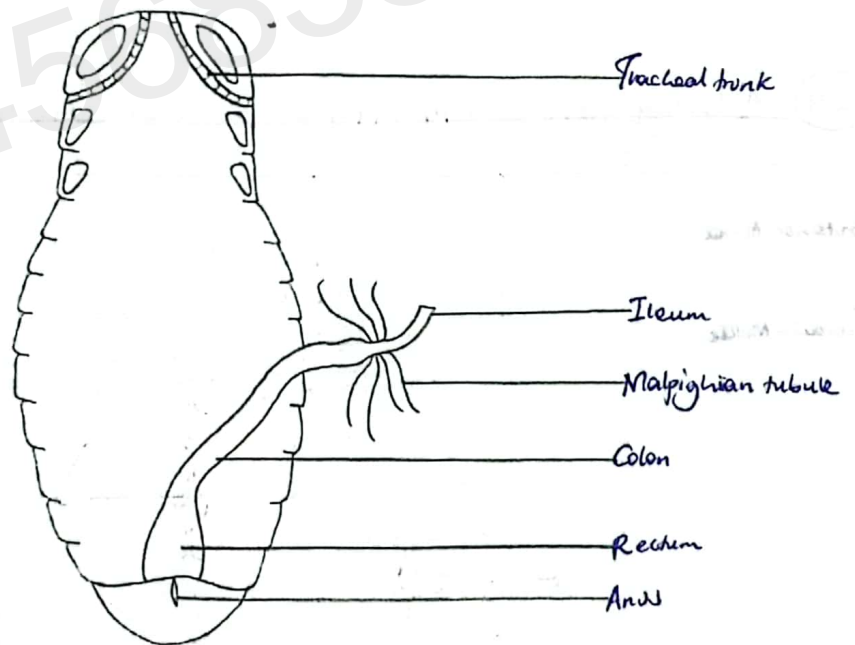
A drawing ^{of} showing the circulatory system of a cockroach.



X 3.5

22

A drawing of the structures for removal undigested and excretory materials from the body of a cockroach.

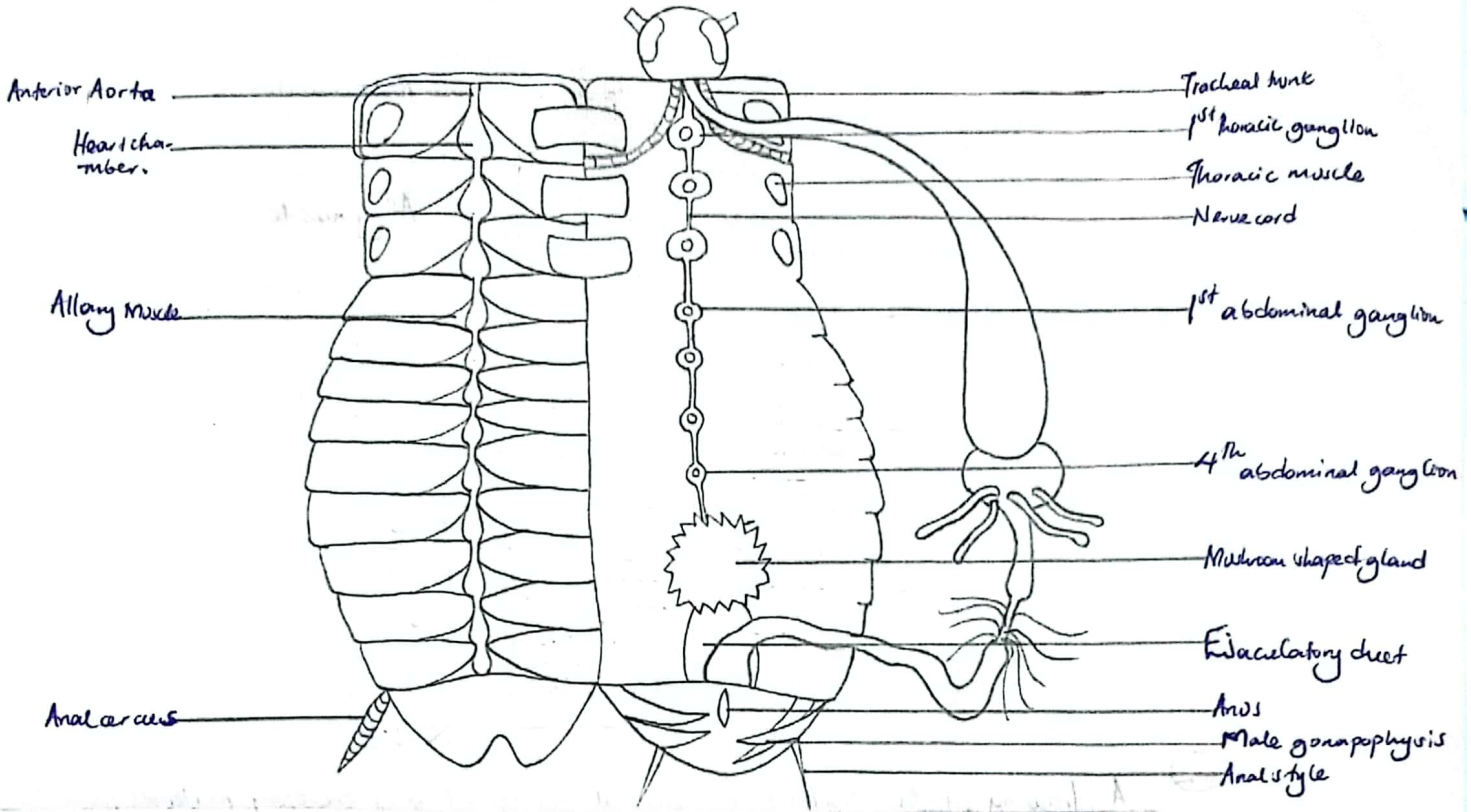


X 3

Surgeon
0705021884
0782306507

23

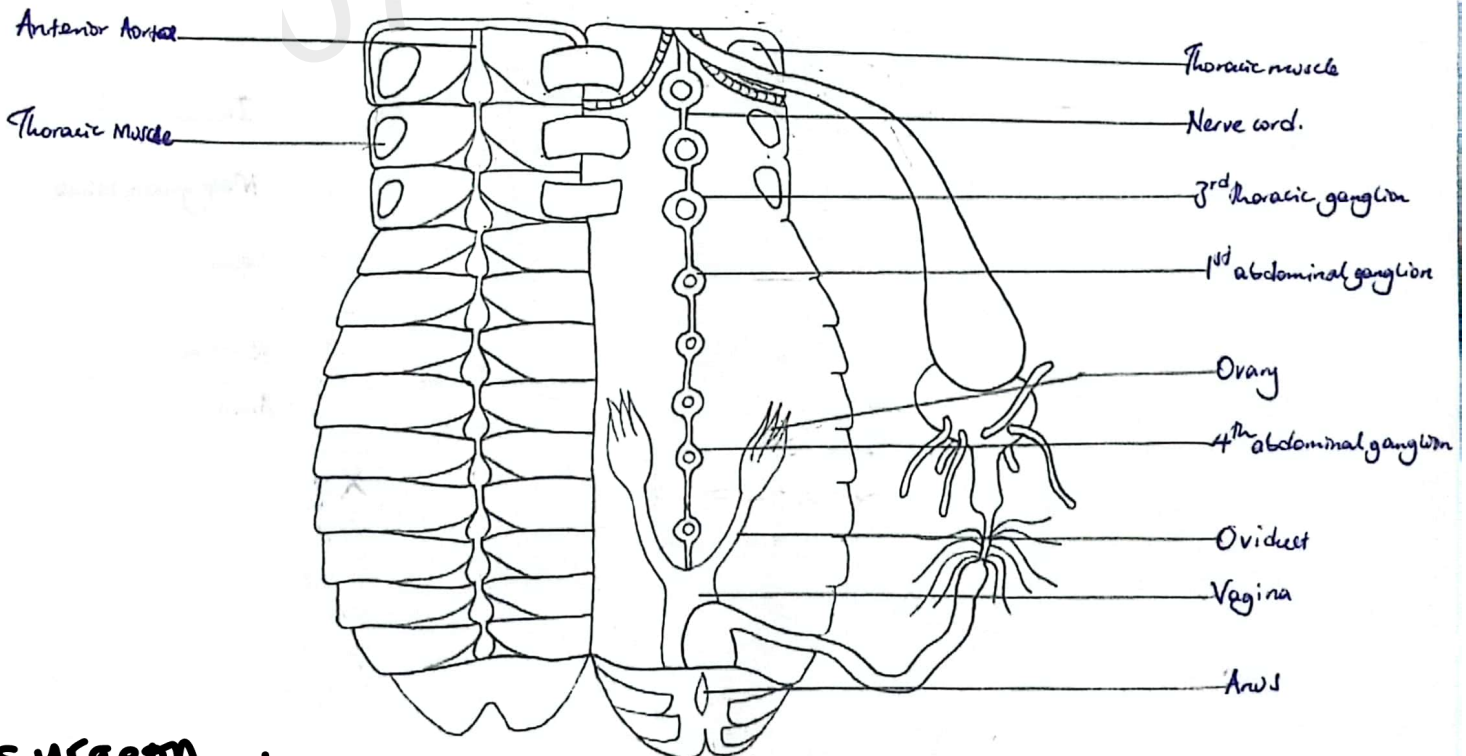
A drawing of the structures ~~also~~ associated with the dorsal and ventral cuticle of the ~~male~~ cockroach when the alimentary canal is displaced to the ^{left} right.



x3.5

24

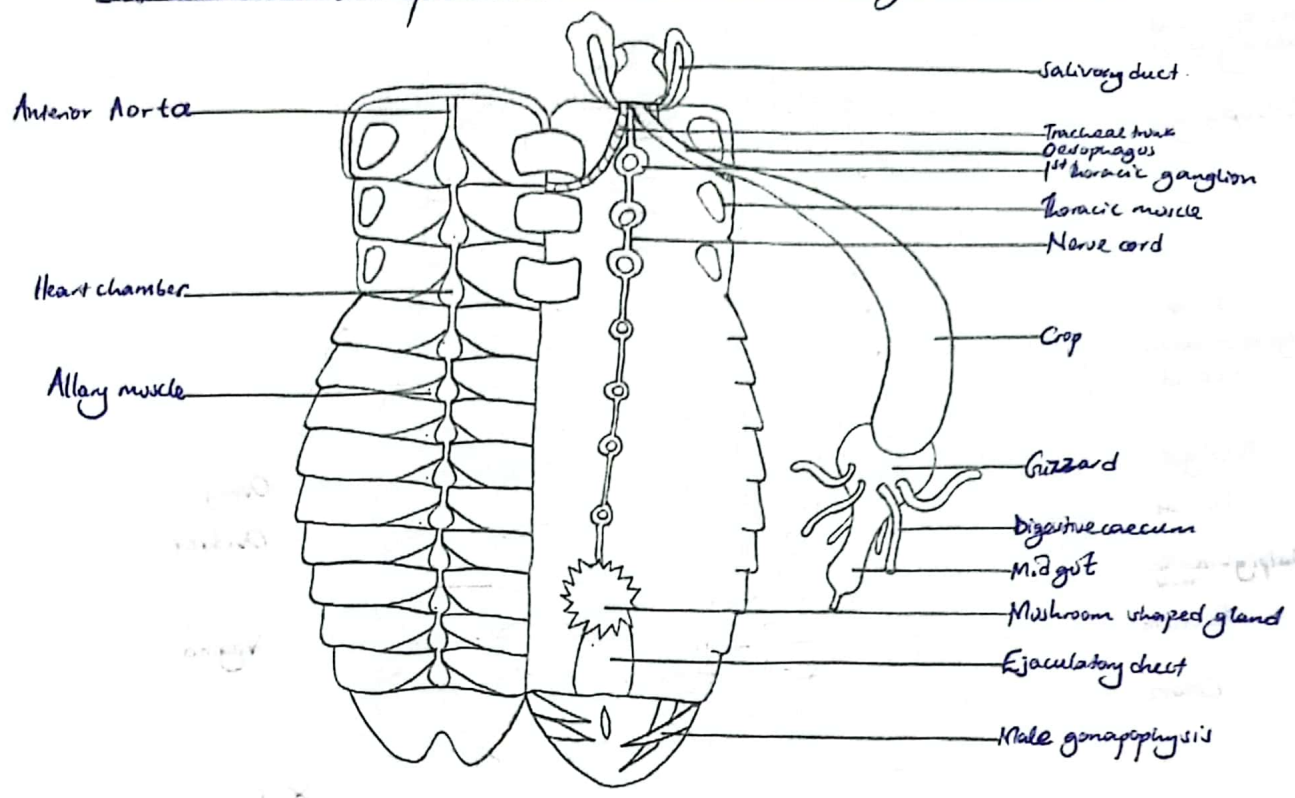
A drawing of the structures associated with the dorsal and ventral cuticle of a female cockroach when the alimentary canal is displaced to the right.



Surgeon
0705021884
0782306507

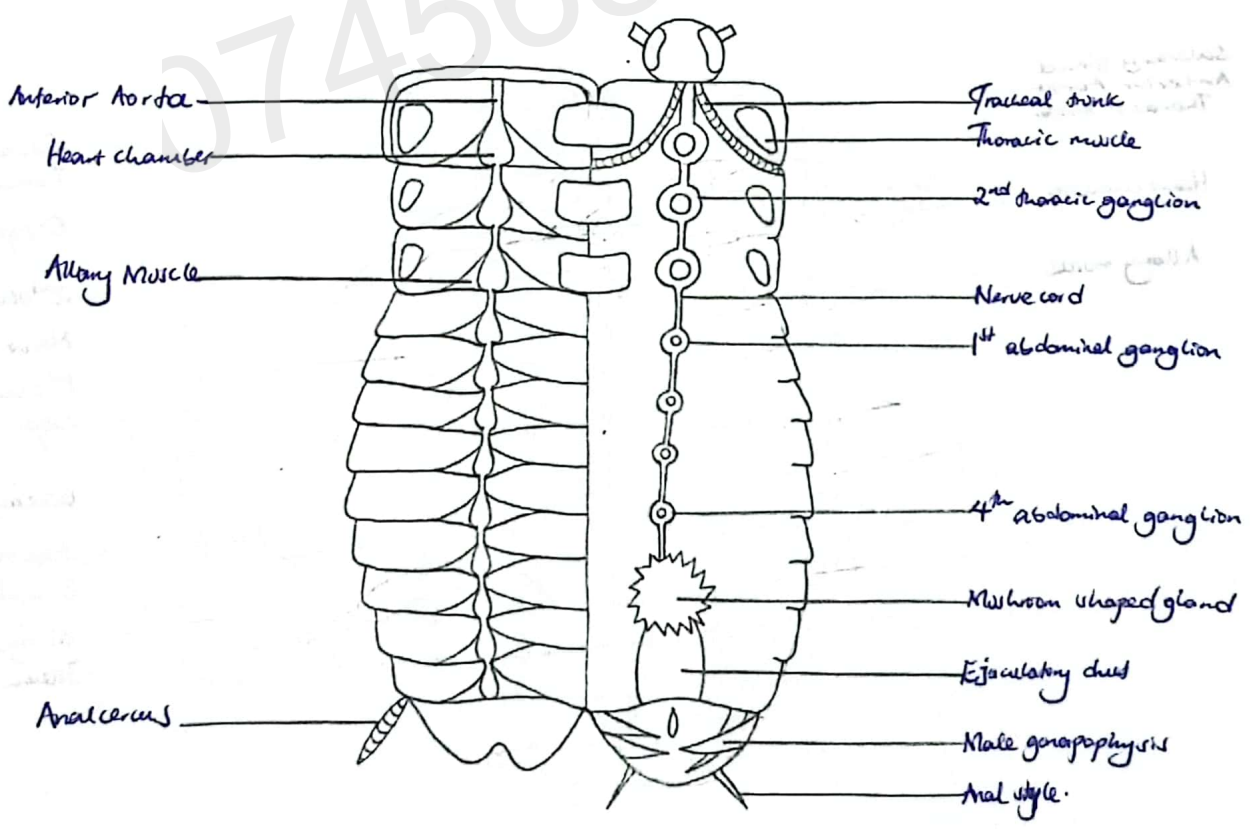
25

A drawing of the internal structures associated with the dorsal cuticle and ventral cuticle of a cockroach with parts of the gut not involved in digestion of food cut out.



X3

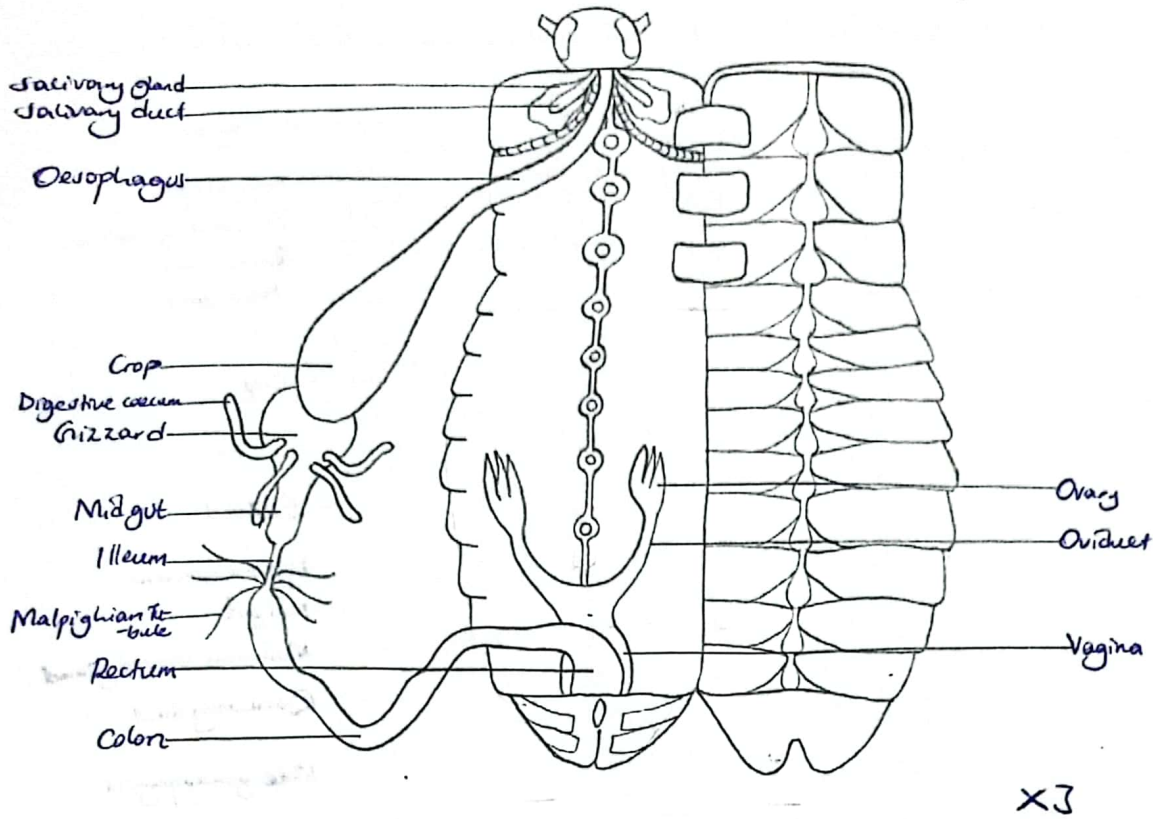
26 A drawing of the structures associated with dorsal cuticle and ventral cuticle after the alimentary canal has been discarded from a cockroach.



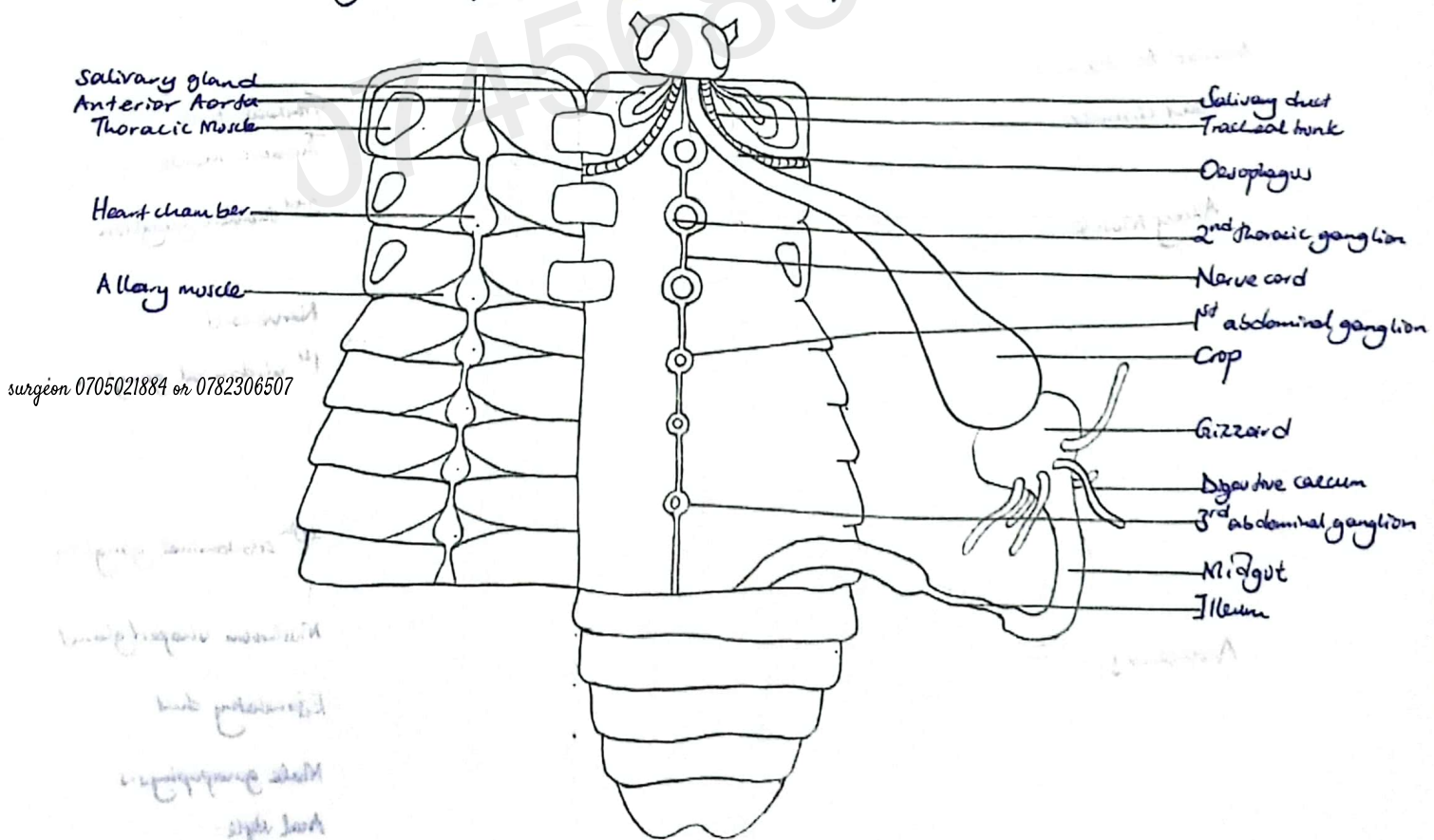
X3

Surgeon
0705021884
0782306507

27 A drawing of the buoyant structures with the alimentary canal to the left of the coxistae



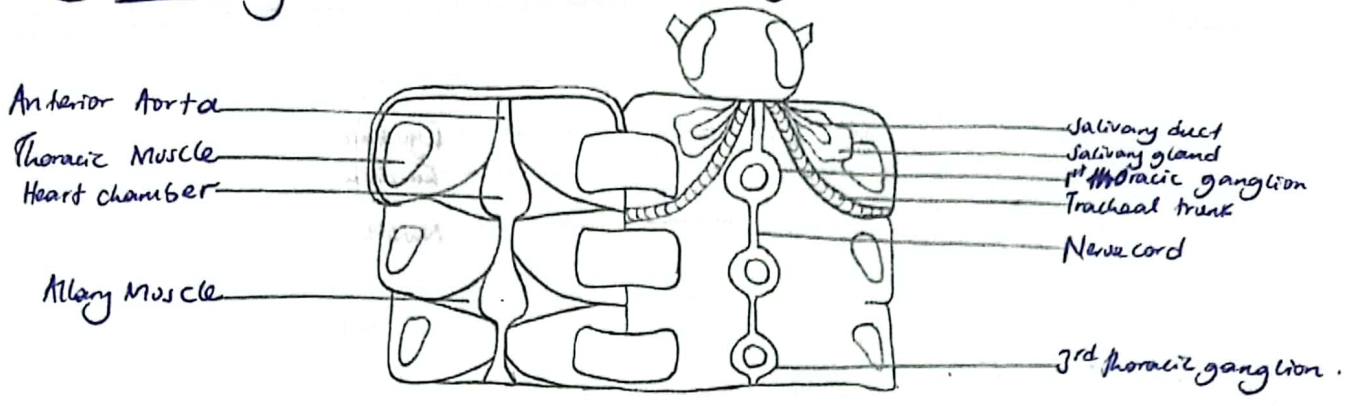
28 A drawing of the internal structures after opening the thoracic region and first five abdominal segments with the alimentary canal displaced to the right side of the specimen.



Surgeon
0705021884
0782306507

29

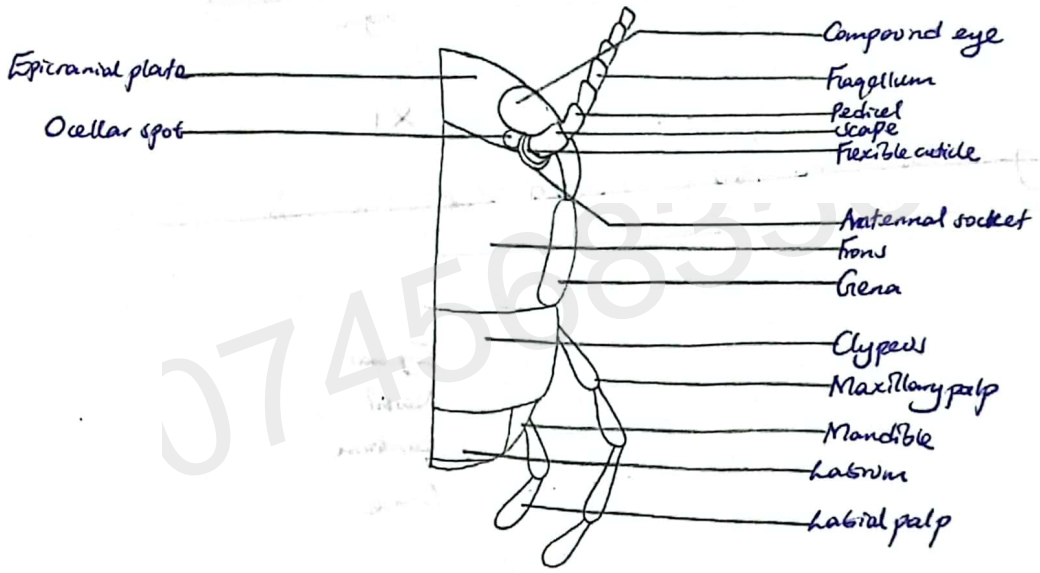
A drawing of the structures in the thoracic region with the gut cut out.



X 4

30

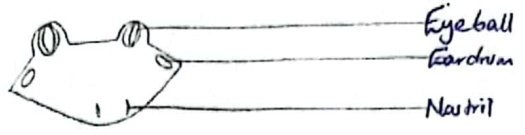
A drawing of the left anterior part of the head of specimen P (cockroach)



X 10

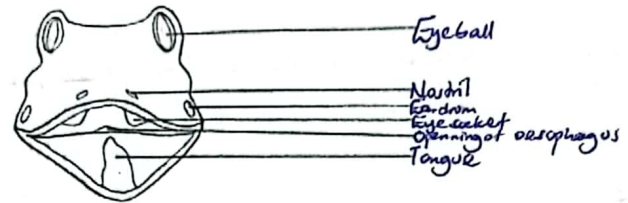
surgeon 0705021884 or 0782306507

31) A drawing of the anterior view of the head of a ~~toad~~ toad with the mouth closed.



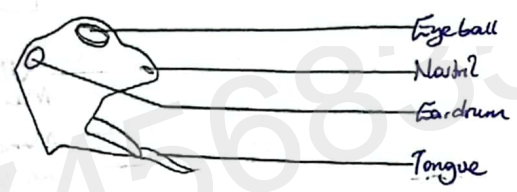
x1

32) A drawing of the anterior view of the head of a toad with the mouth fully opened.



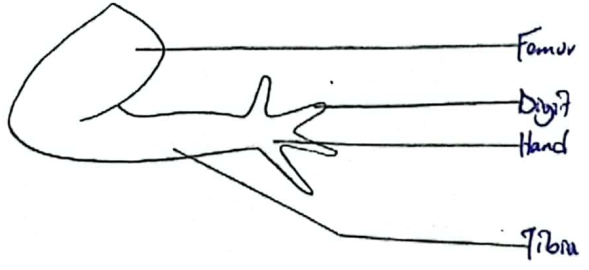
x1

33) A drawing of the lateral view of the head of a toad with the mouth opened and tongue pulled out from right side of the specimen.



x1

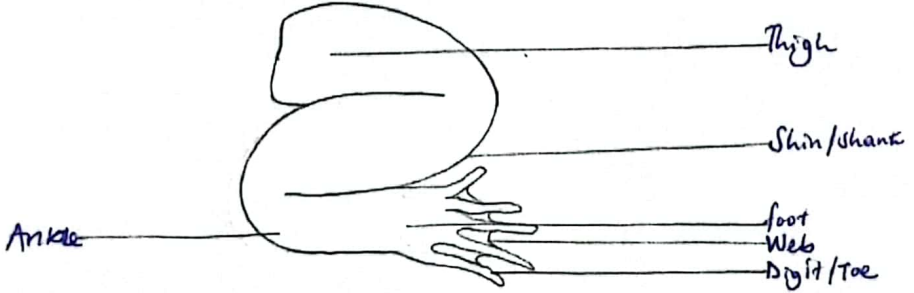
34) A drawing of the fore limb of a toad at rest.



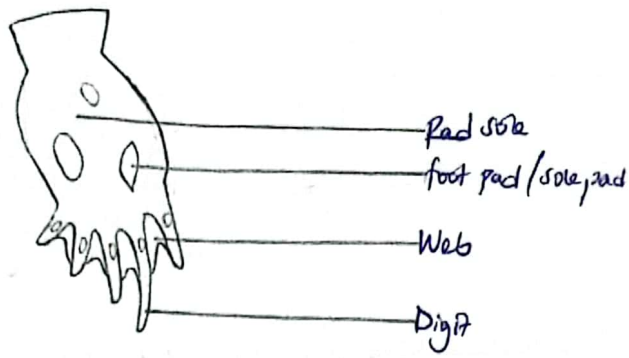
x1

Surgeon
0705021884
0782306507

35) A drawing of the hind limb of a toad at rest.

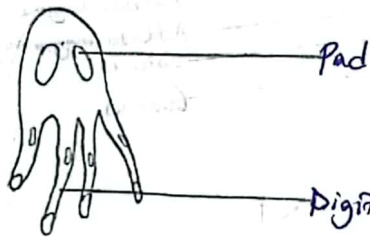


36 A drawing of the ventral view of the right hind foot of a toad.



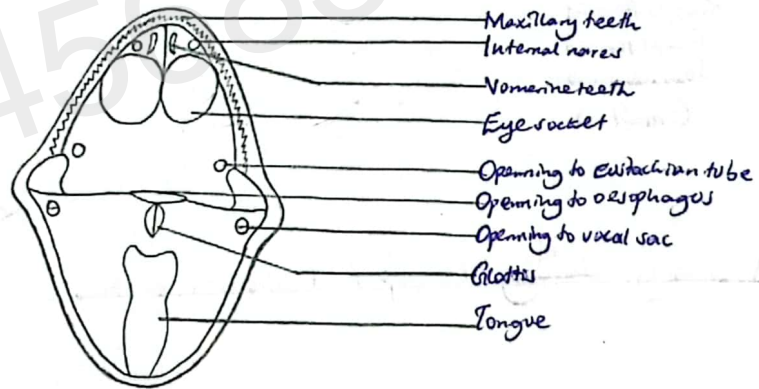
X1

37 A drawing of the ventral side of the left fore foot of a toad.



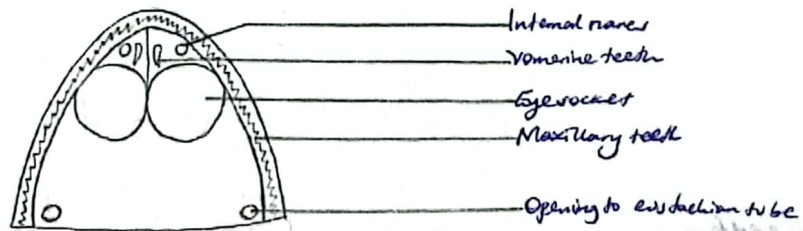
X1

38 A drawing of the structures on the roof and floor of the buccal cavity of a toad when fully opened.



X1

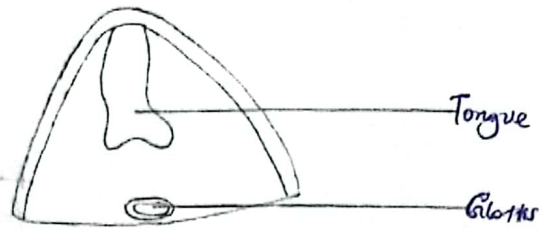
39 A drawing of the structures on the roof of the buccal cavity of the toad.



X1.5

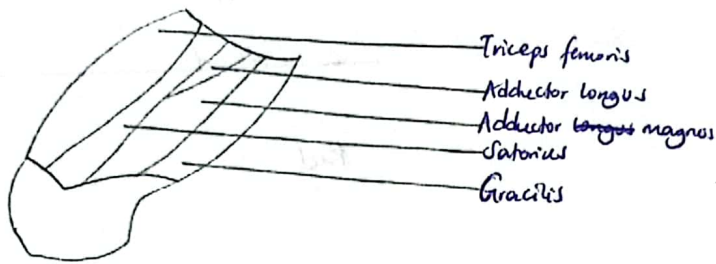
Surgeon
0705021884
0782306507

40 A drawing of the structures on the floor of the buccal cavity.



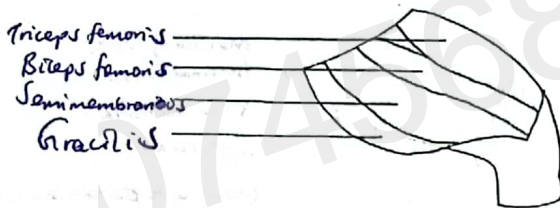
x1.5

41 A drawing of the thigh muscles from the ventral side of the toad.



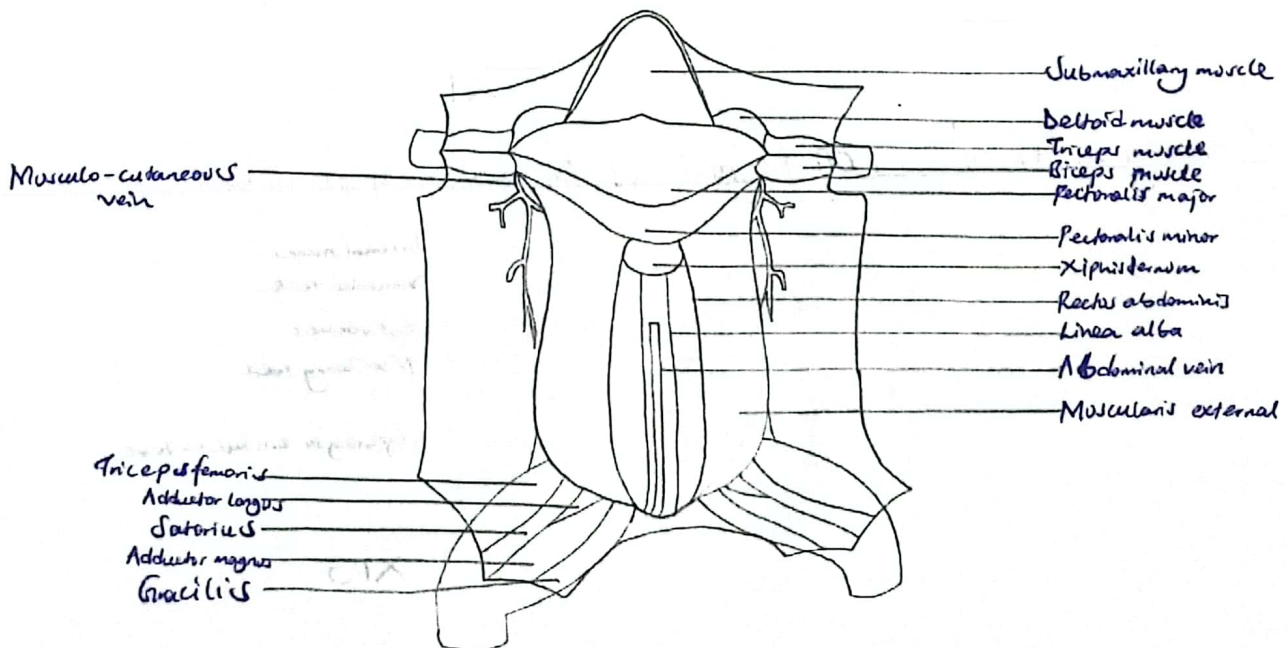
x1

42 A drawing of the thigh muscles from the dorsal view side of the toad.



x1

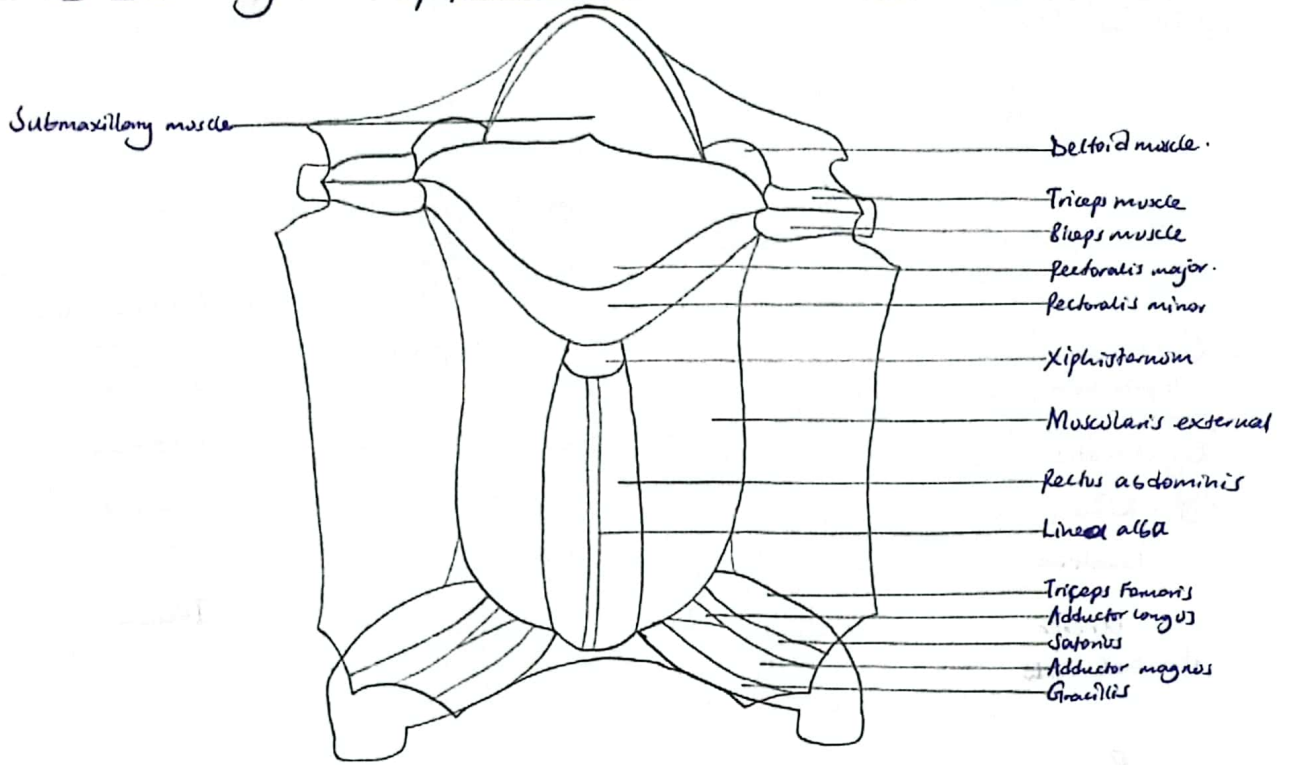
43 A drawing showing the superficial structures on the ventral side of the toad.



x1

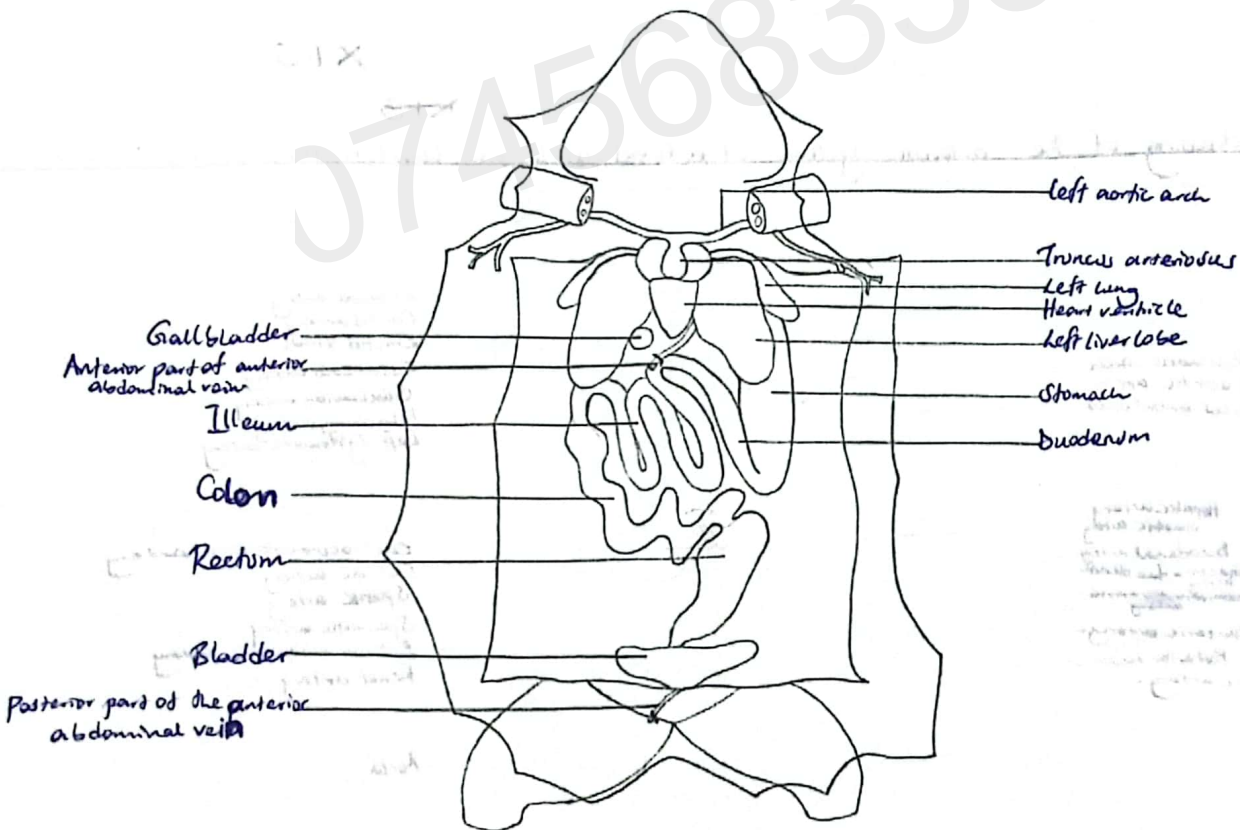
Surgeon
0705021884
0782306507

(44) A drawing of the superficial muscles on the ventral side of the toad.



XI

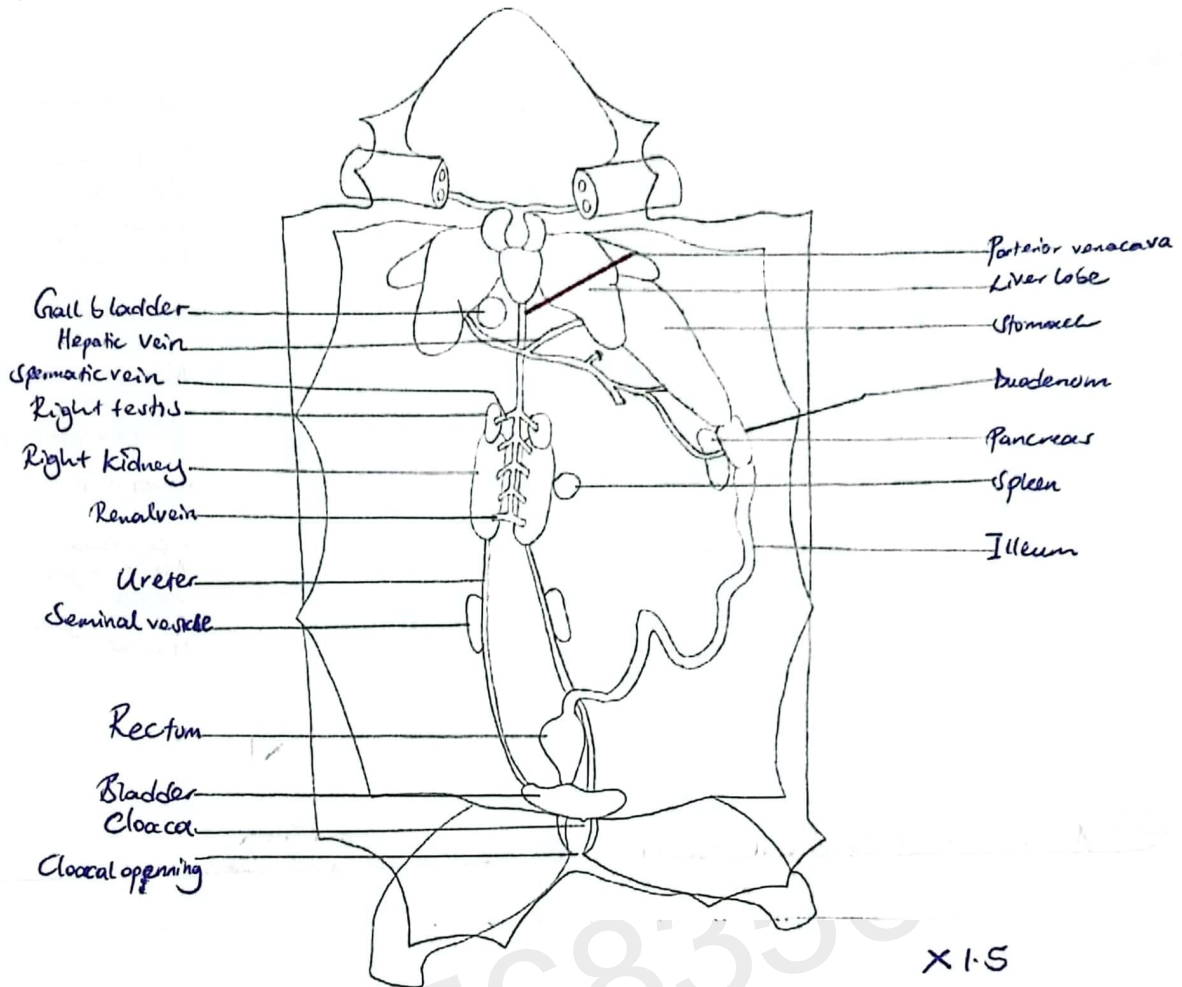
(45) A drawing of the visceral structures in ~~the~~ the abdomen ^{and thorax} of the toad, in situ.



XI

Surgeon
0705021884
0782306507

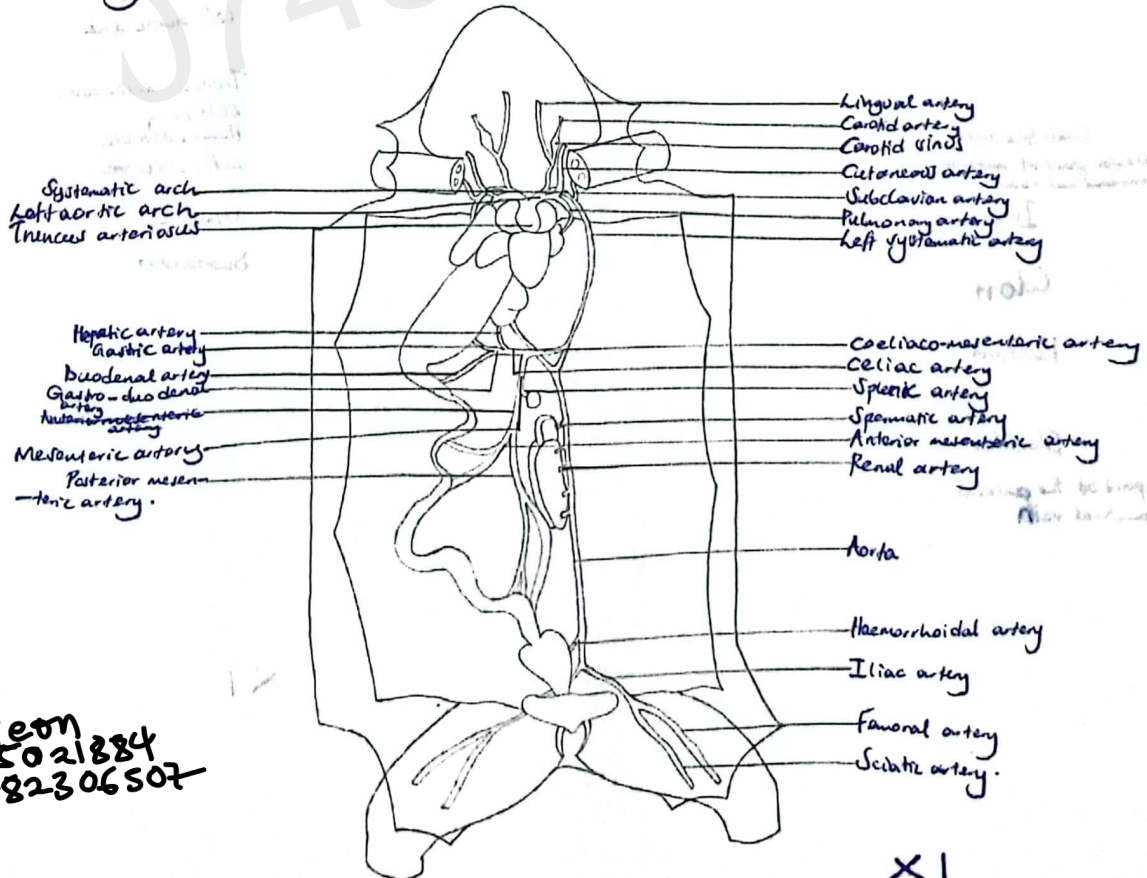
46) A drawing of the abdominal and pelvic structures in a toad after displacing the gut to the left of the specimen.



X1.5

X15

47) A drawing of the arterial system of a toad with the heart in its situ position.

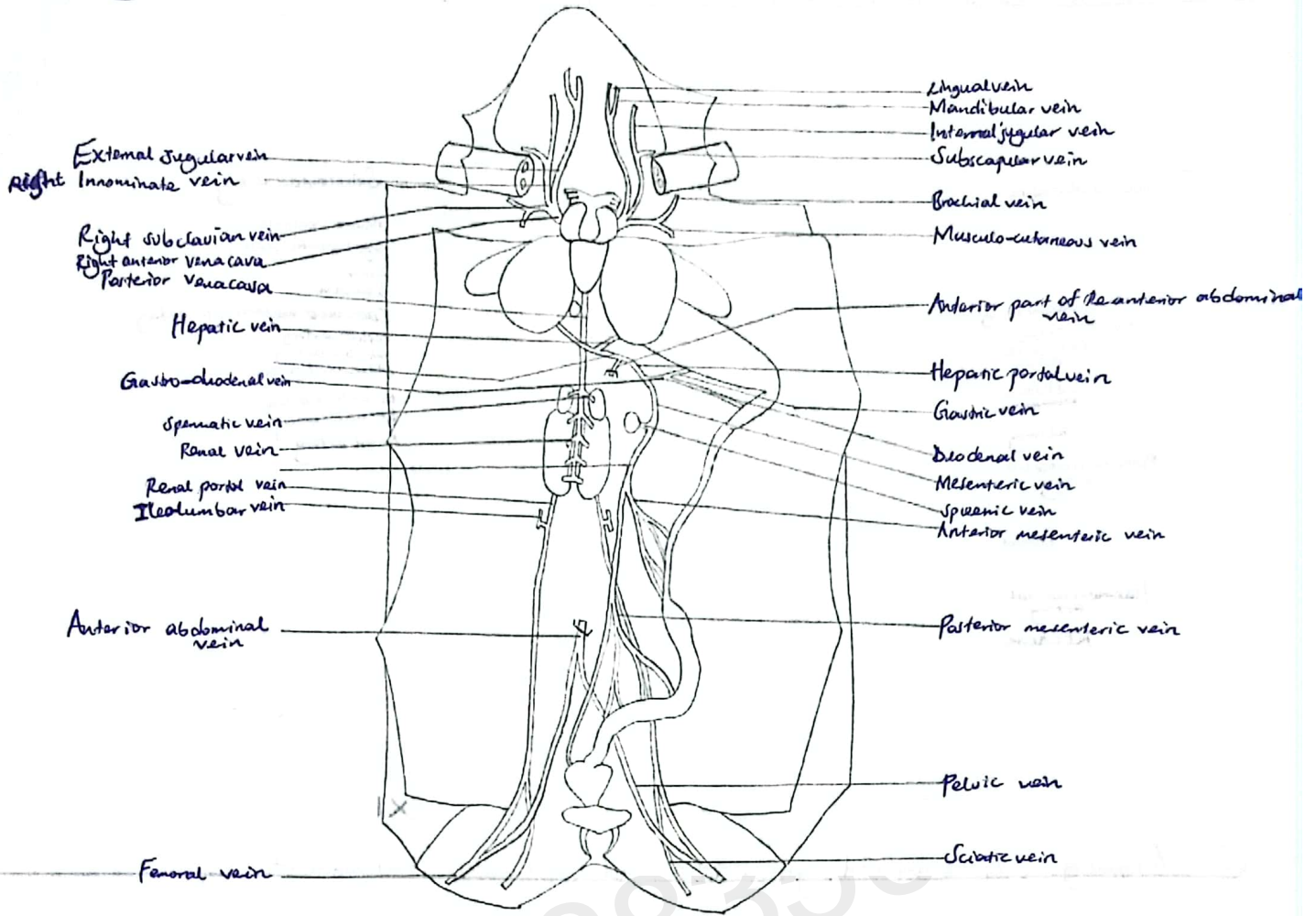


X1

Surgeon
0705021884
0782306507

48

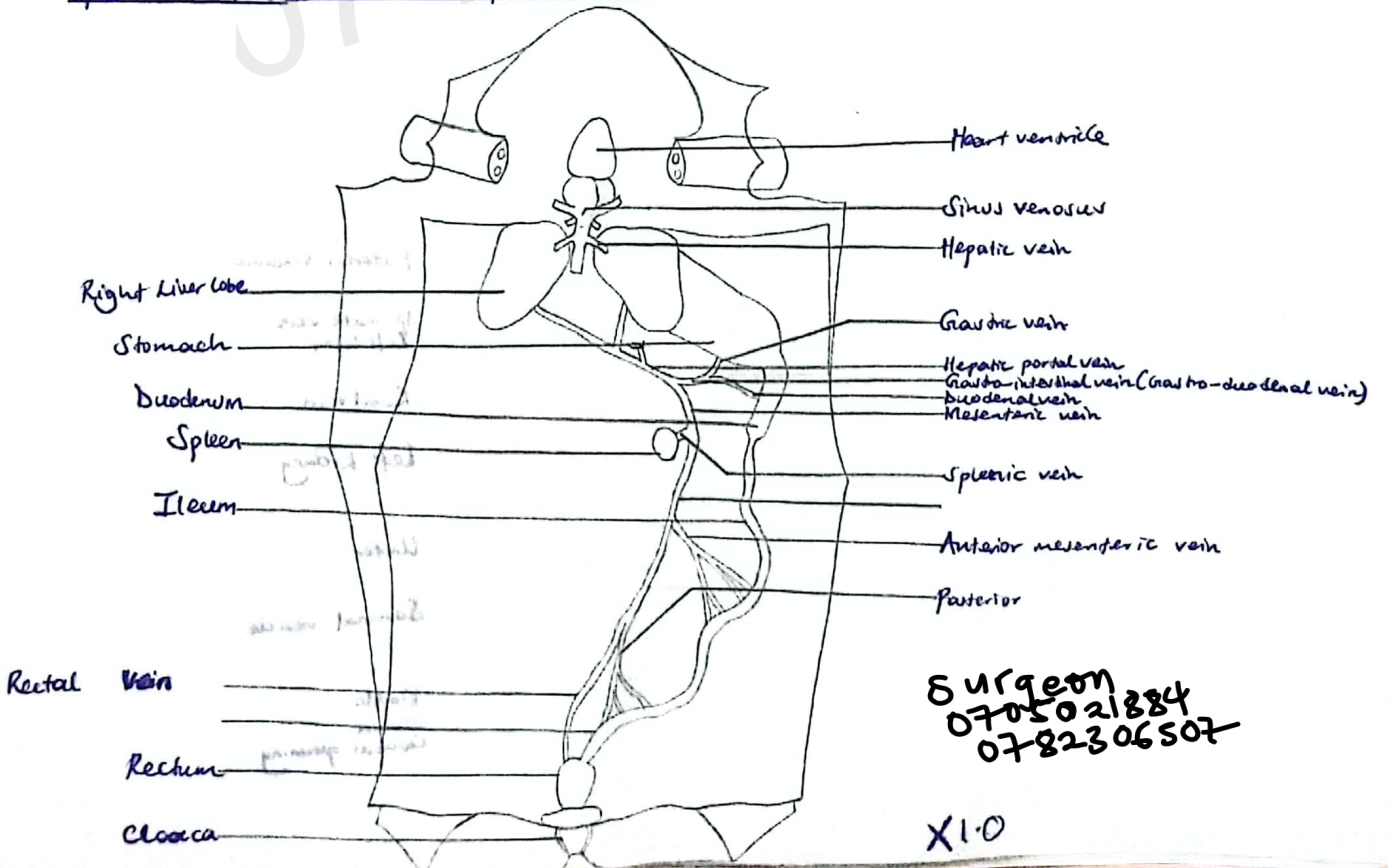
A drawing of the venous system of a toad with the heart in situ.



X1.5

49

A drawing of the vessels draining alimentary canal displaced to the left and its associated organs and the spleen of the toad, and the heart displaced upwards.

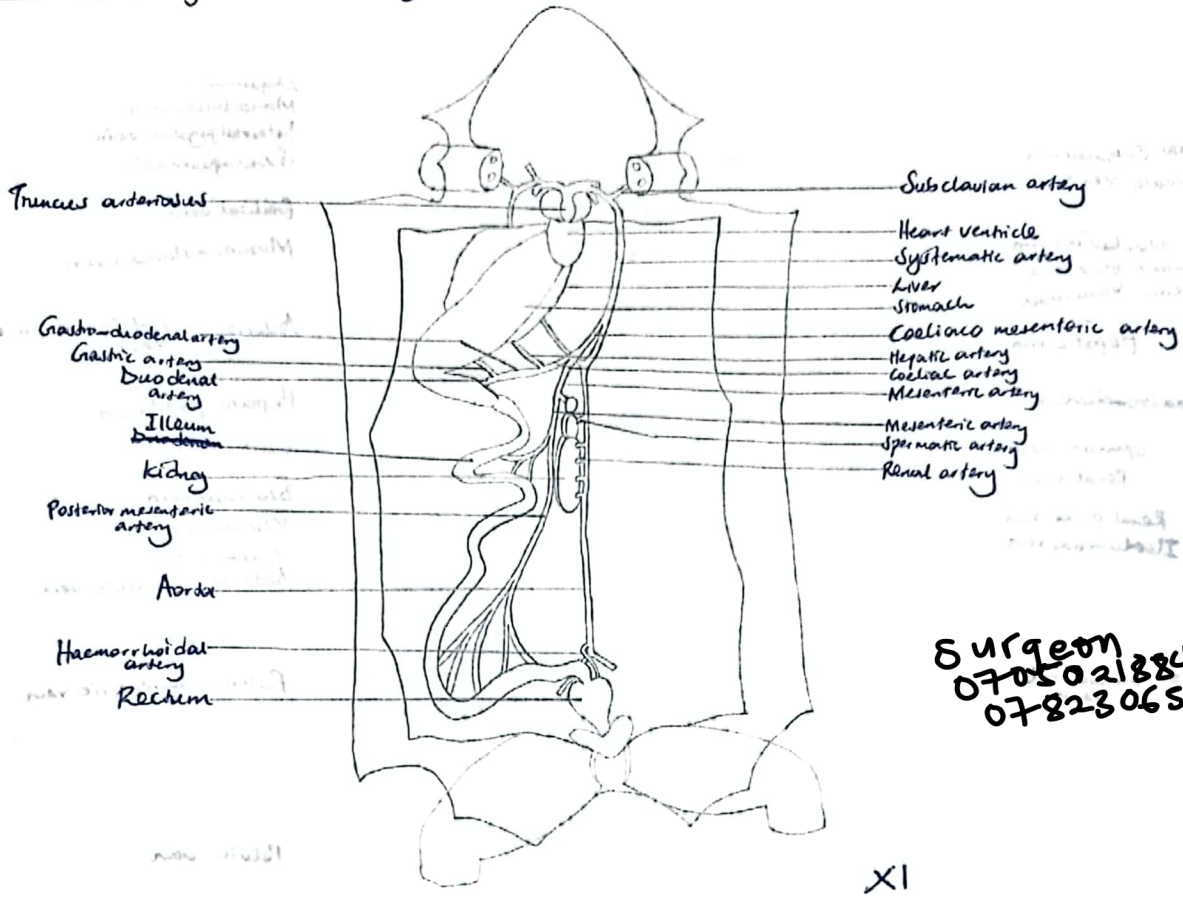


Surgeon
0705021884
0782306507

X1.0

50) A drawing of the vessels supplying the alimentary canal which is displaced to the right with its associated organs and the organs in the abdominal cavity.

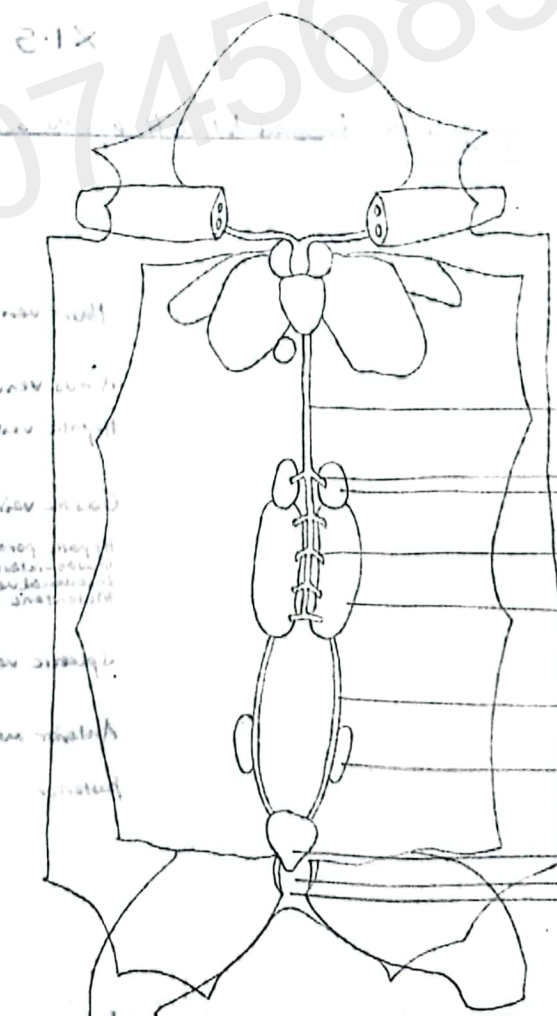
57



Surgeon
0705021884
0782306507

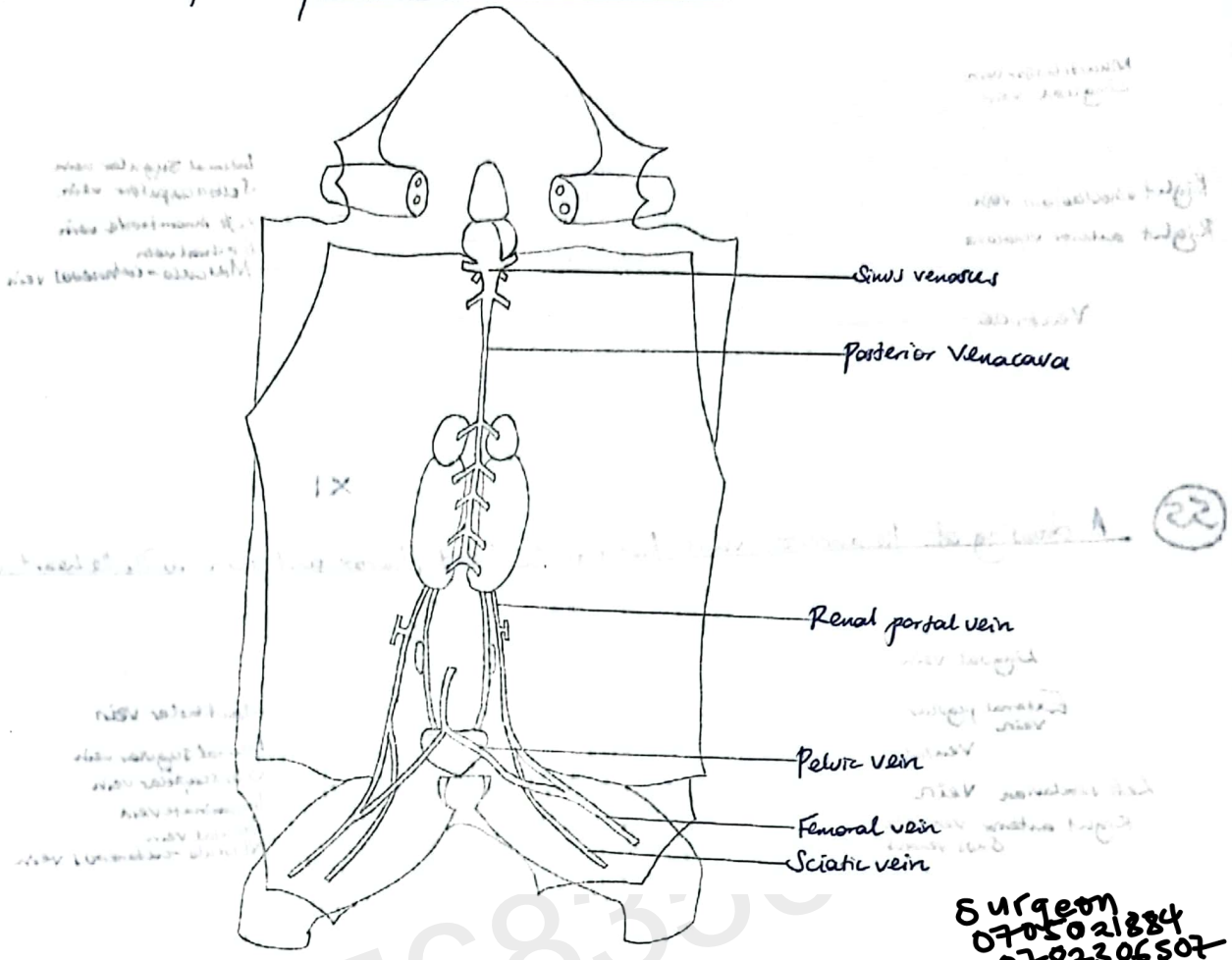
X1

51) A drawing of the urogenital system of a toad and vessels that drain it.



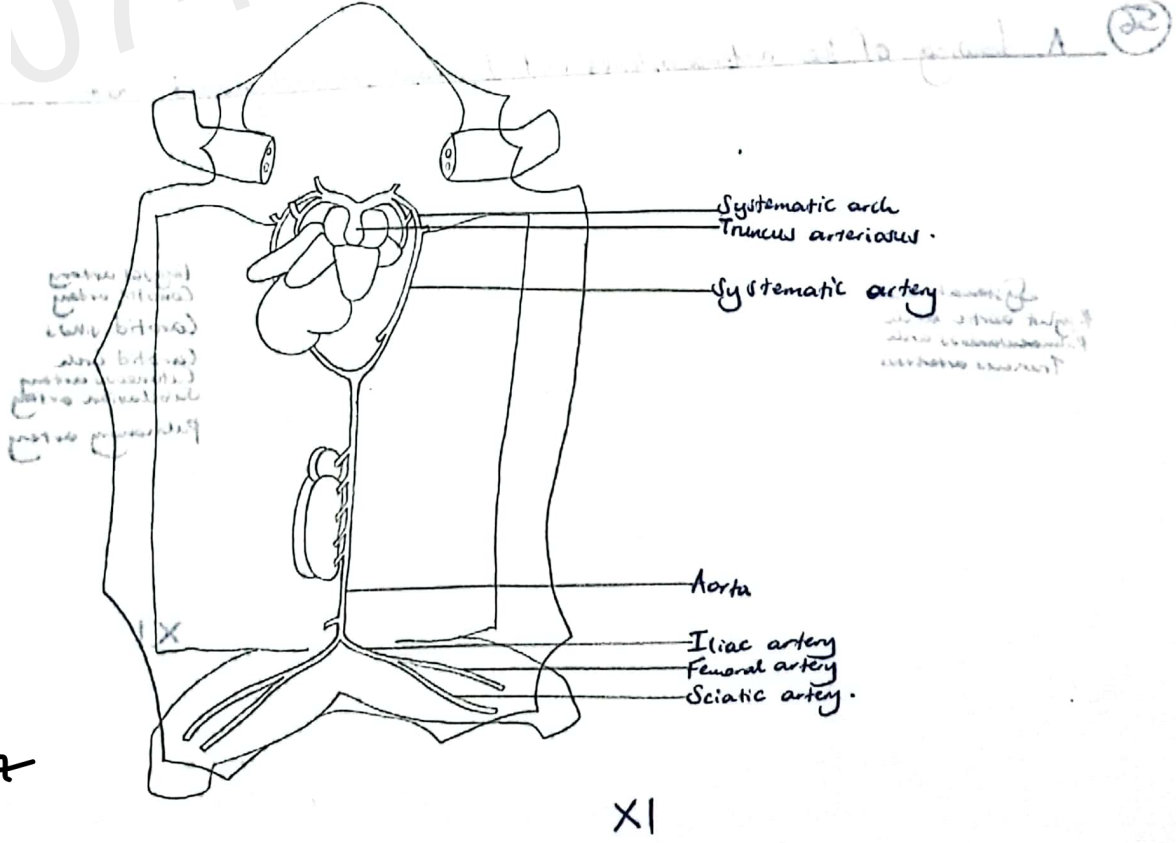
Surgeon
0705021884
0782306507

52) A drawing of the limbs draining the limbs posterior to the head of a toad, with the heart deflected upwards.



Surgeon
0705021884
0782306507

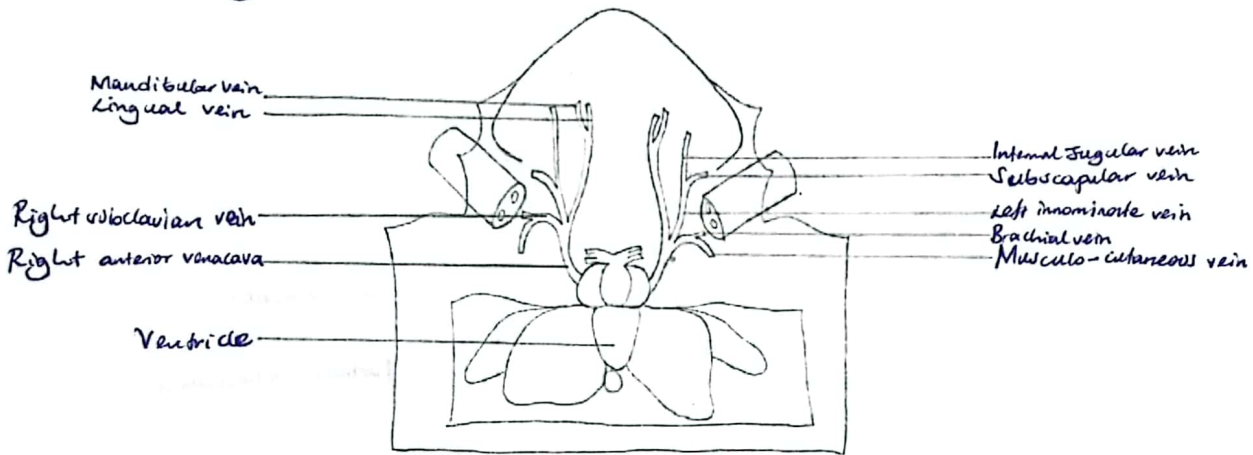
53) A drawing of the vessels that supply the hind limbs of the toad.



Surgeon
0705021884
0782306507

54

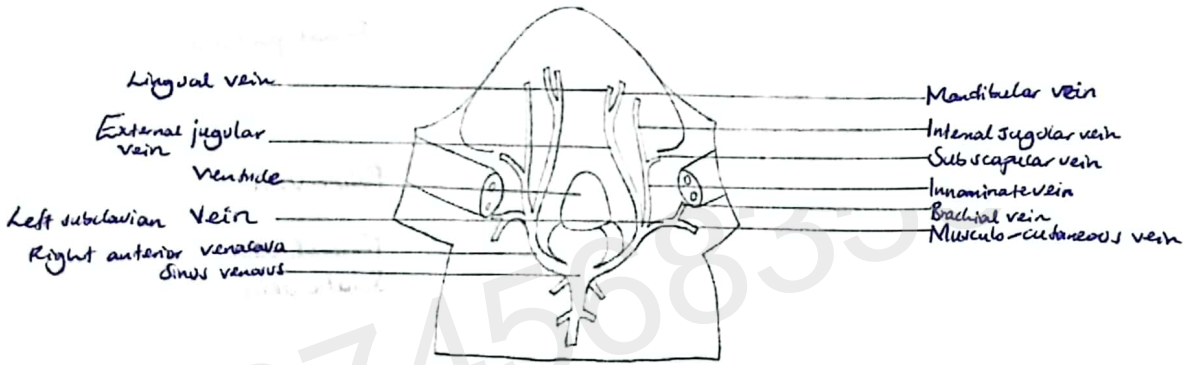
A drawing of the anterior veins that drain the head, thorax and skin with the heart in situ



X1

55

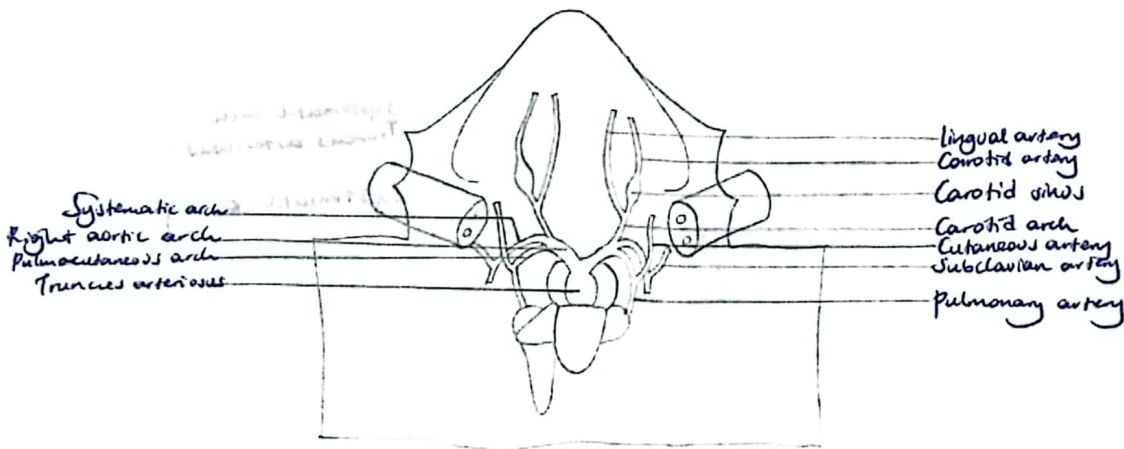
A drawing of the anterior veins that drain the head, thorax and skin with the heart displaced anteriorly



X1

56

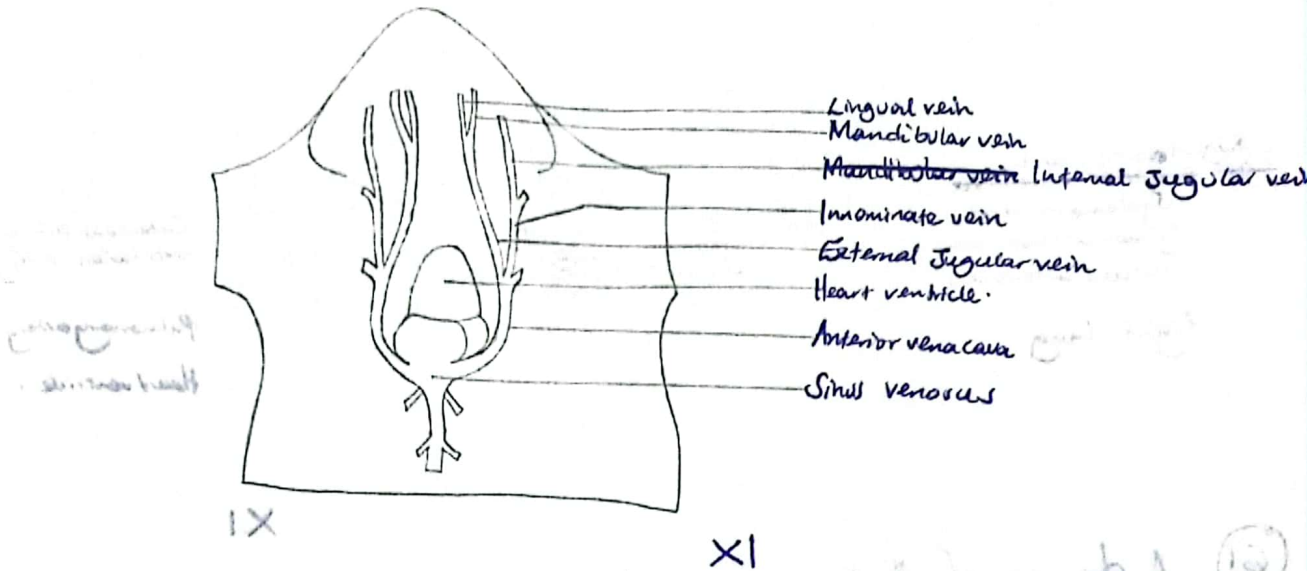
A drawing of the anterior arteries with the heart in undisturbed state.



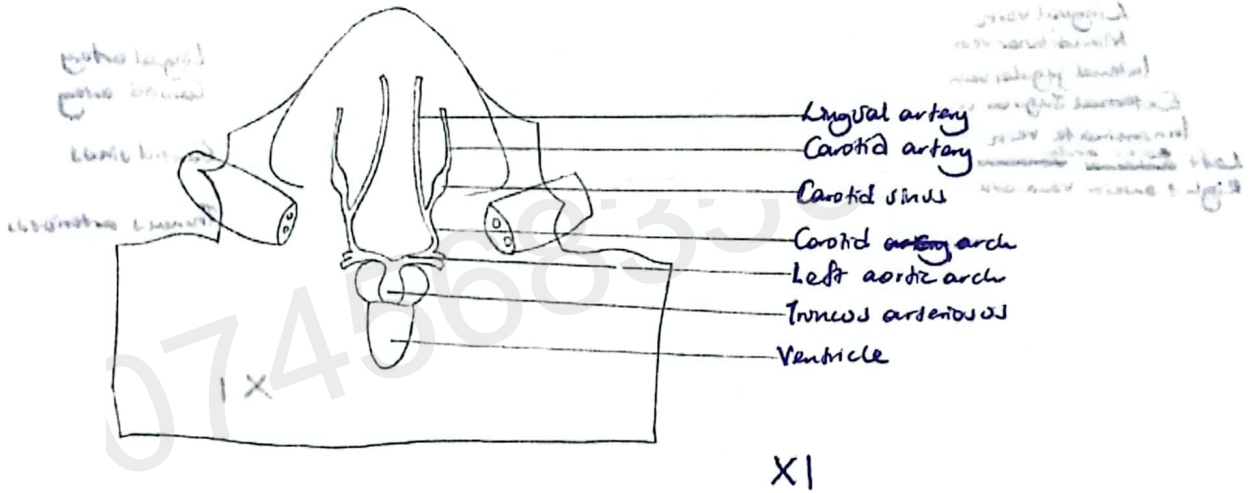
X1

Surgeon
0705021884
0782306507

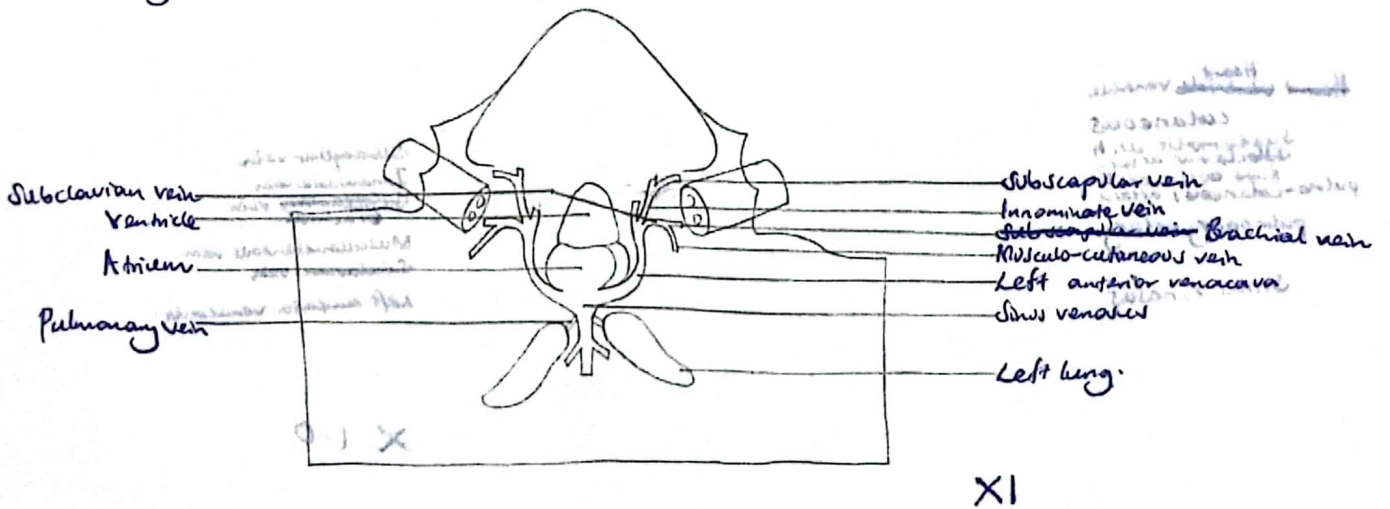
57 A drawing of the vessels draining the head with the heart displaced anteriorly.



58 A drawing of the vessels supplying the head, with the heart in situ.

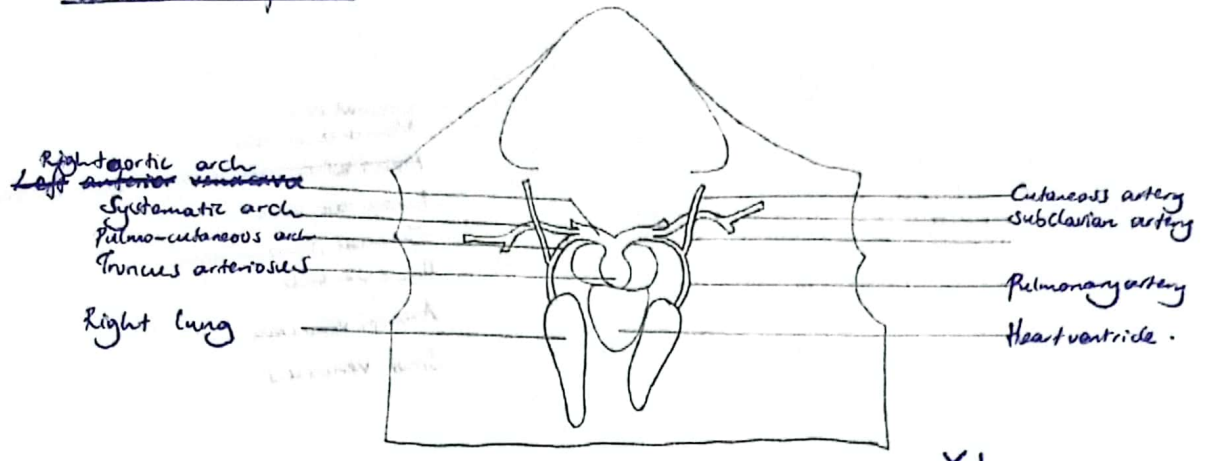


59 A drawing of the thoracic organs and vessels draining the thorax region with the heart displaced anteriorly.



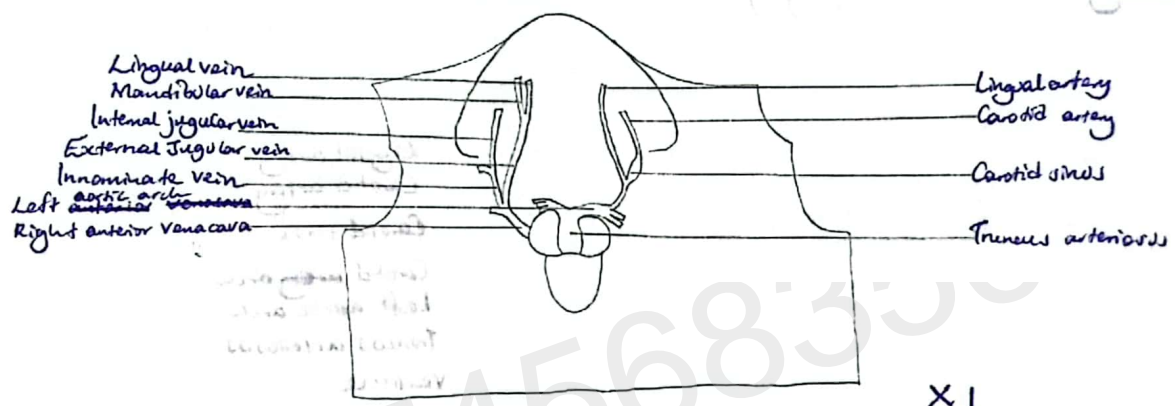
Surgeon
0705021884
0705021884
0782306507

60 A drawing of the thoracic organs and vessels supplying the thoracic region with the heart undisturbed.



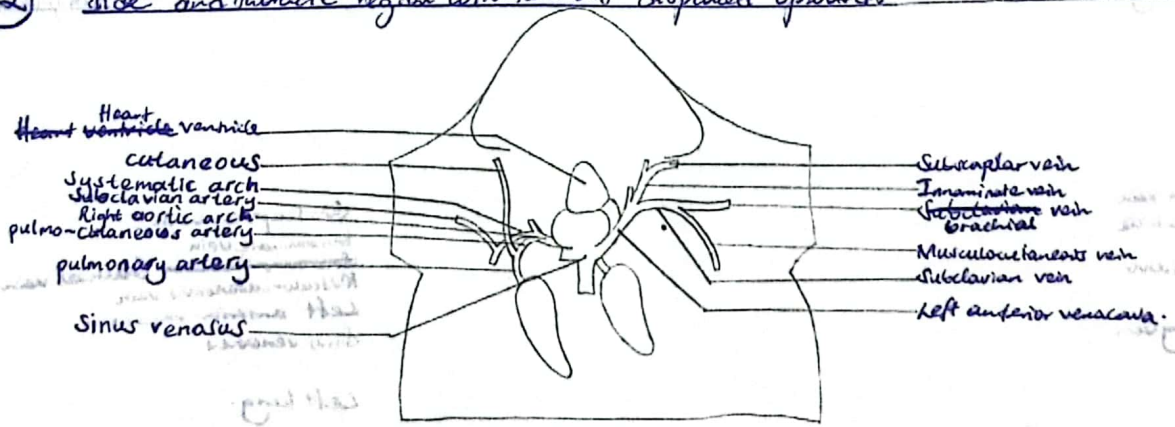
X1

61 A drawing of the blood vessels draining the right side and supplying the left side of the head with the heart in situ.



X1

62 A drawing of the thoracic organs and blood vessels draining the left side and supplying the right side and thoracic region with the heart displaced upwards.

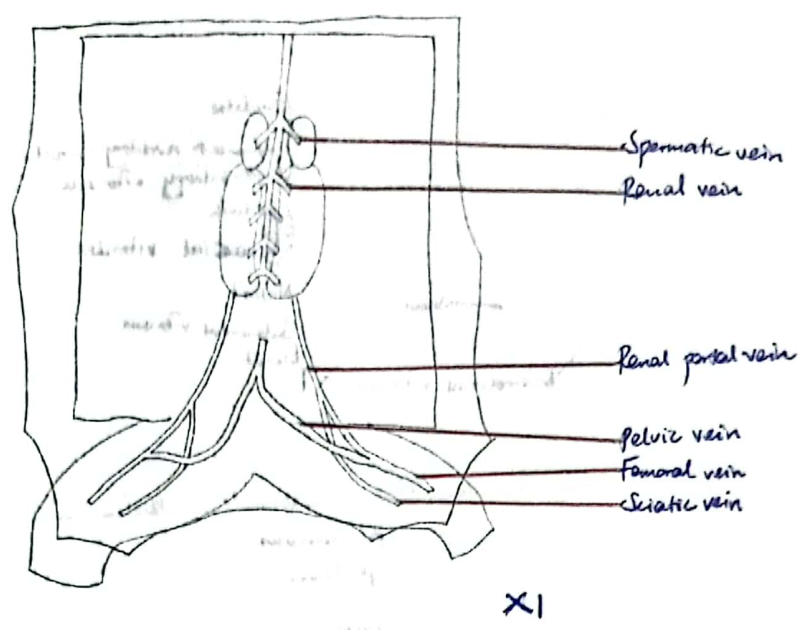


X 1.0

Surgeon
0705021884
0782306507

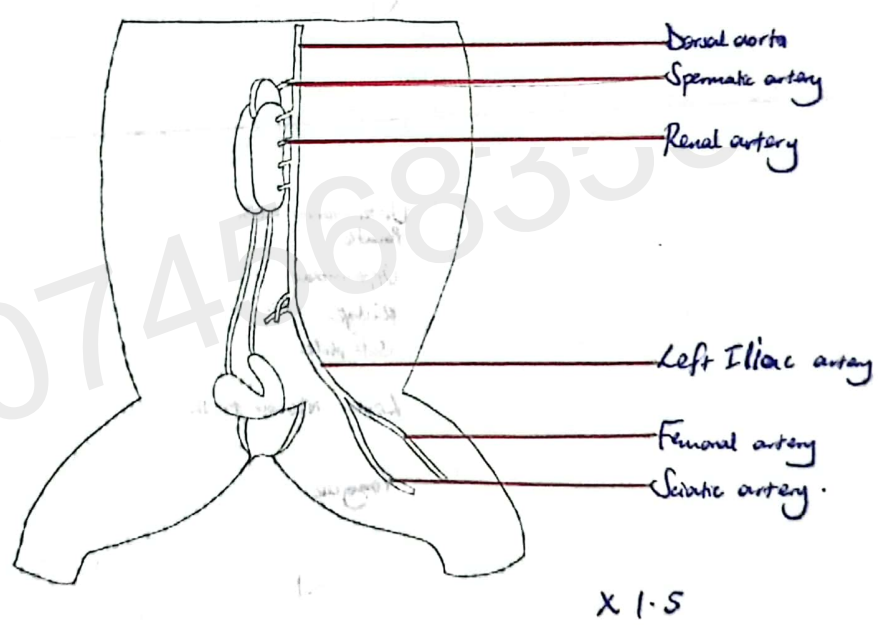
63

A drawing of blood vessels draining the hind limb and the urogenital system of a ^{male} toad.

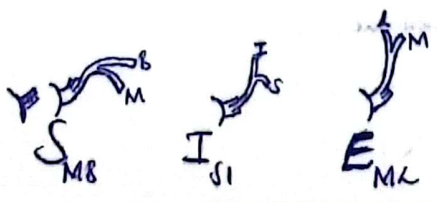


64

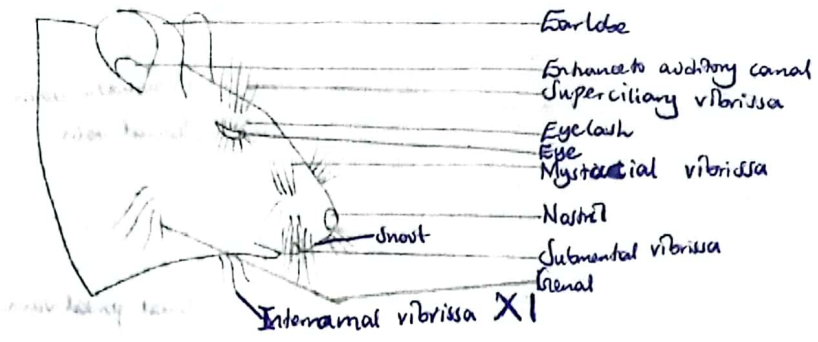
A drawing of the blood vessels supplying the urogenital system and the left hind limb of a toad.



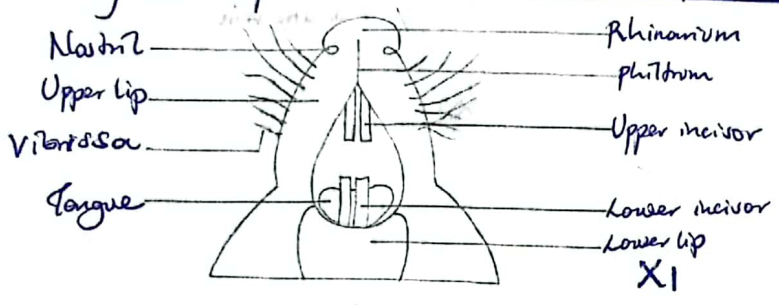
Surgeon
 0705021884
 0782306507



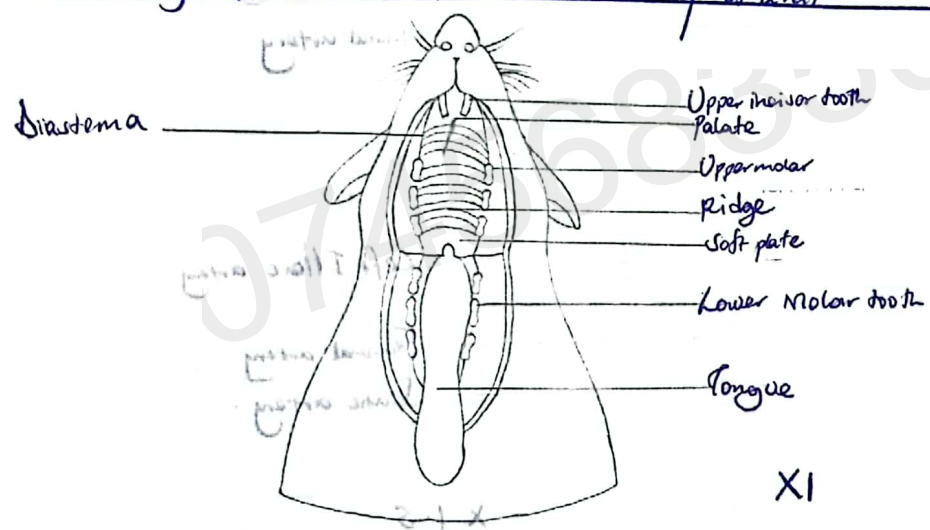
65. A drawing of the lateral view of the head of a rat.



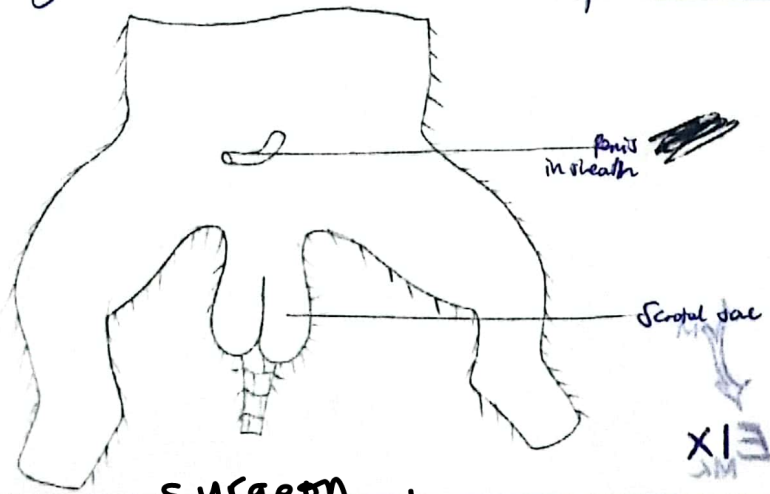
66. A drawing of the lips and other structures viewed from the ventral view of the head of a rat.



67. A drawing of the structures in the oral cavity of a rat.



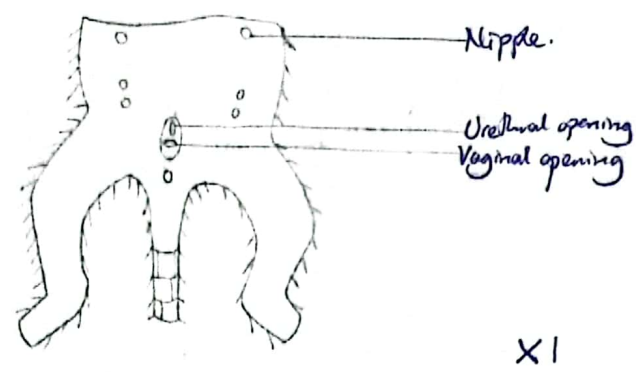
68. A drawing of the structures used in sex identification of a male rat.



Surgeon
0705021884
0782306507

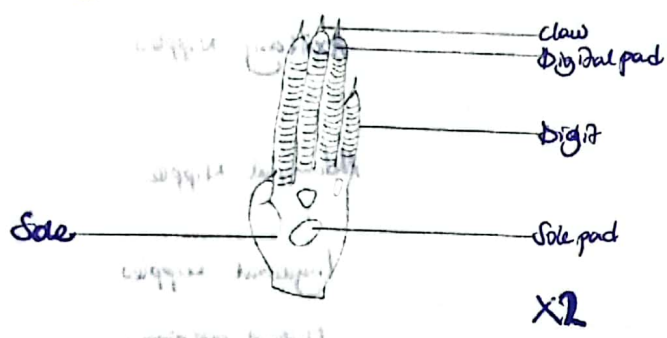
69

A drawing of the structures used in sex identification of the female rat.



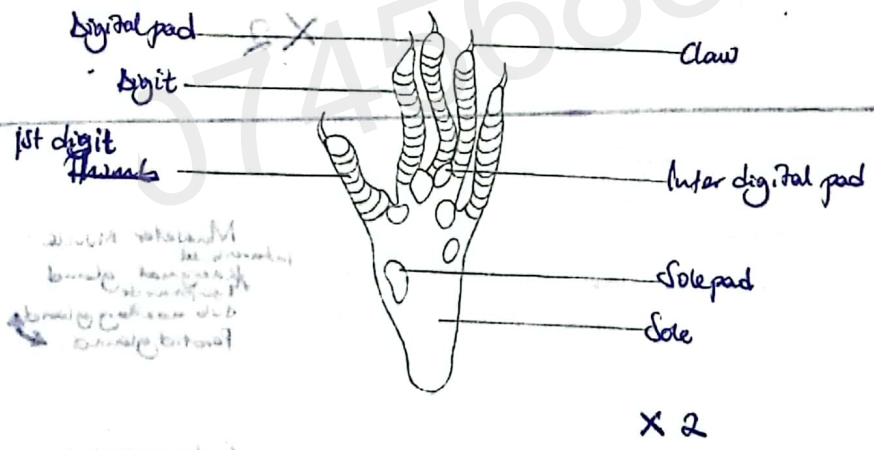
70

A drawing of the ventral view of the fore foot of a rat.



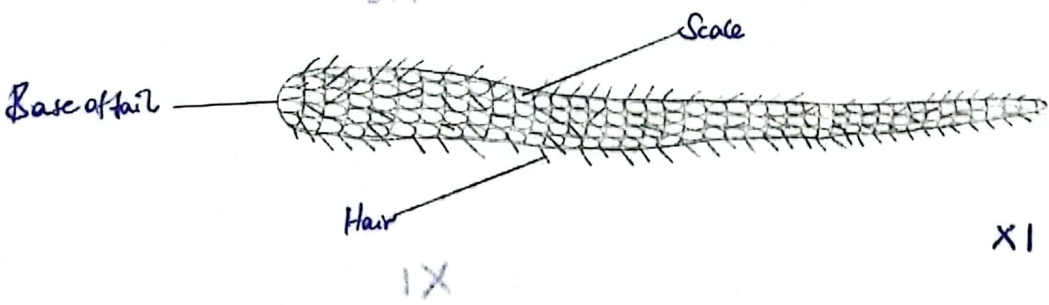
71

A drawing of the ventral view of the hind foot of a rat.



72

A drawing of the tail of the rat.

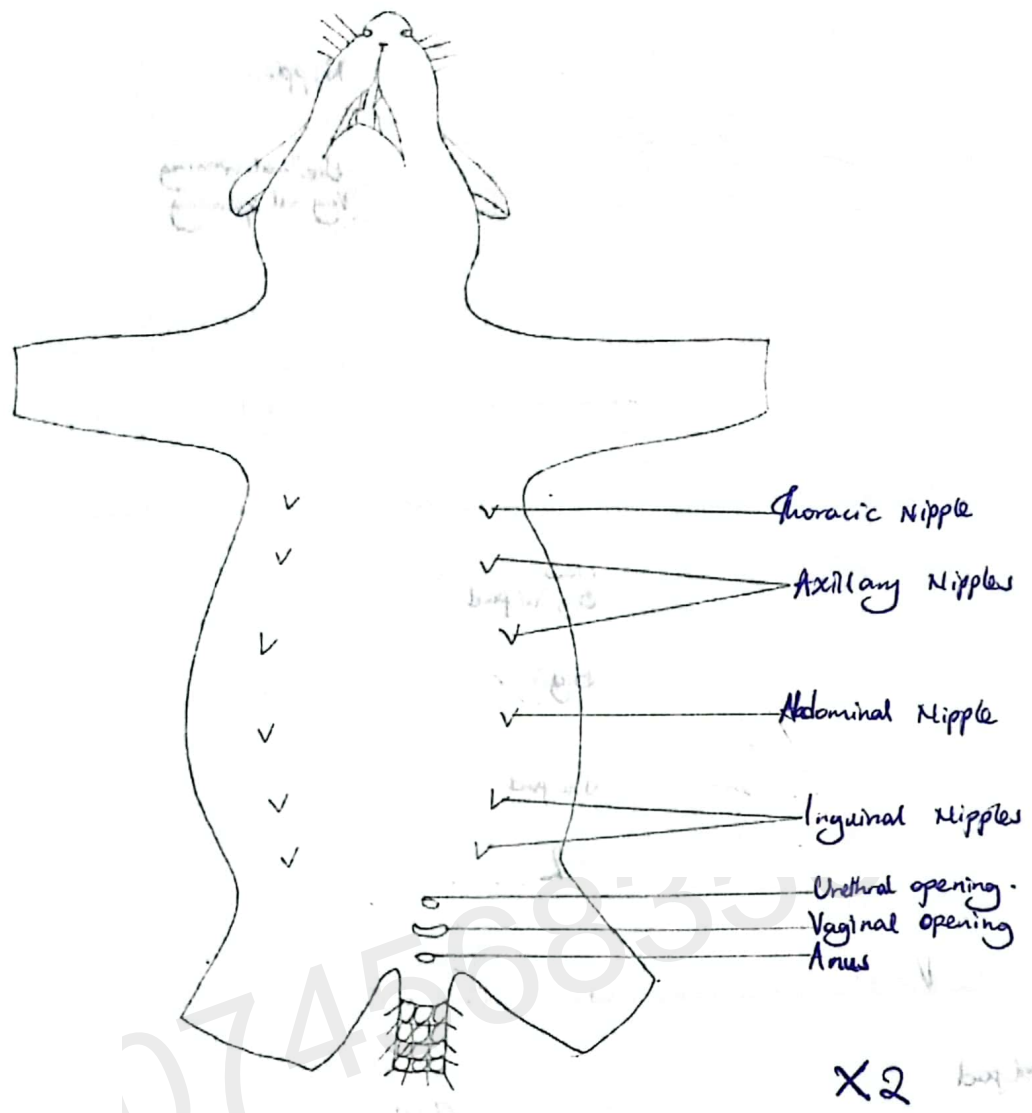


Surgeon
 0705021884
 0782306507

73

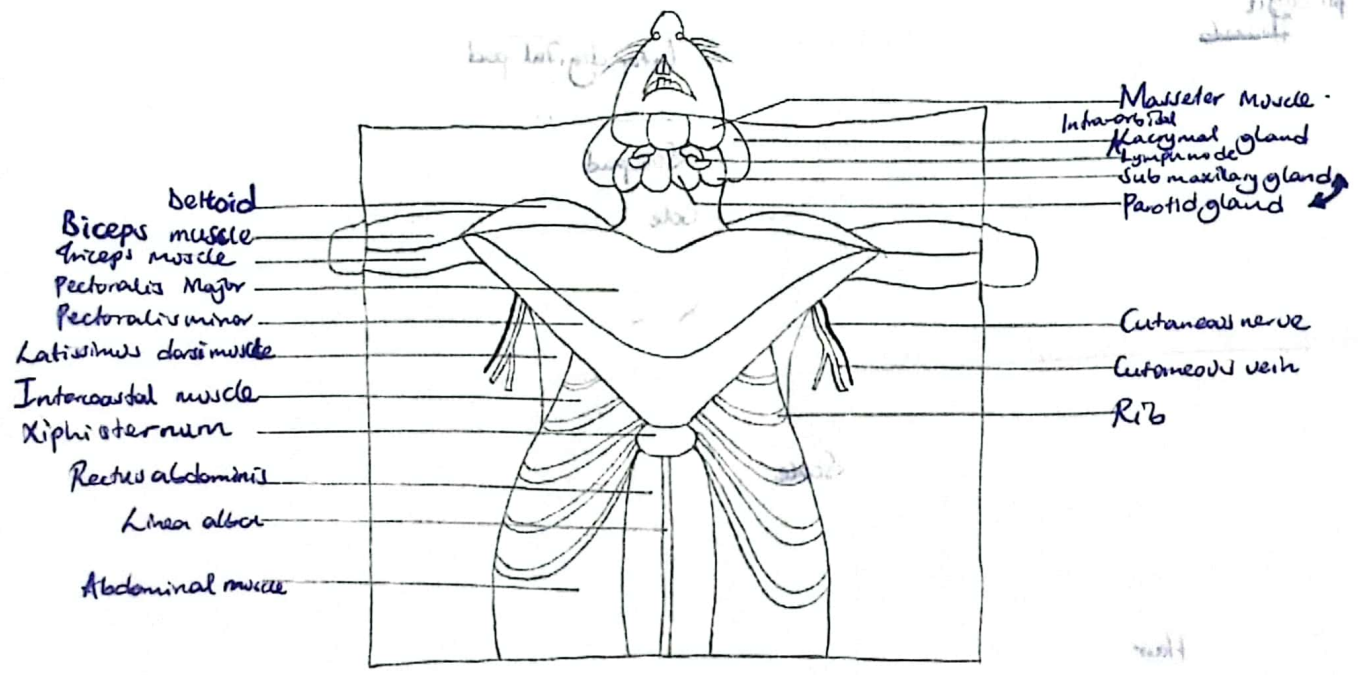
75

A drawing of the visible structures on the ventral surface of a rat



X2

74

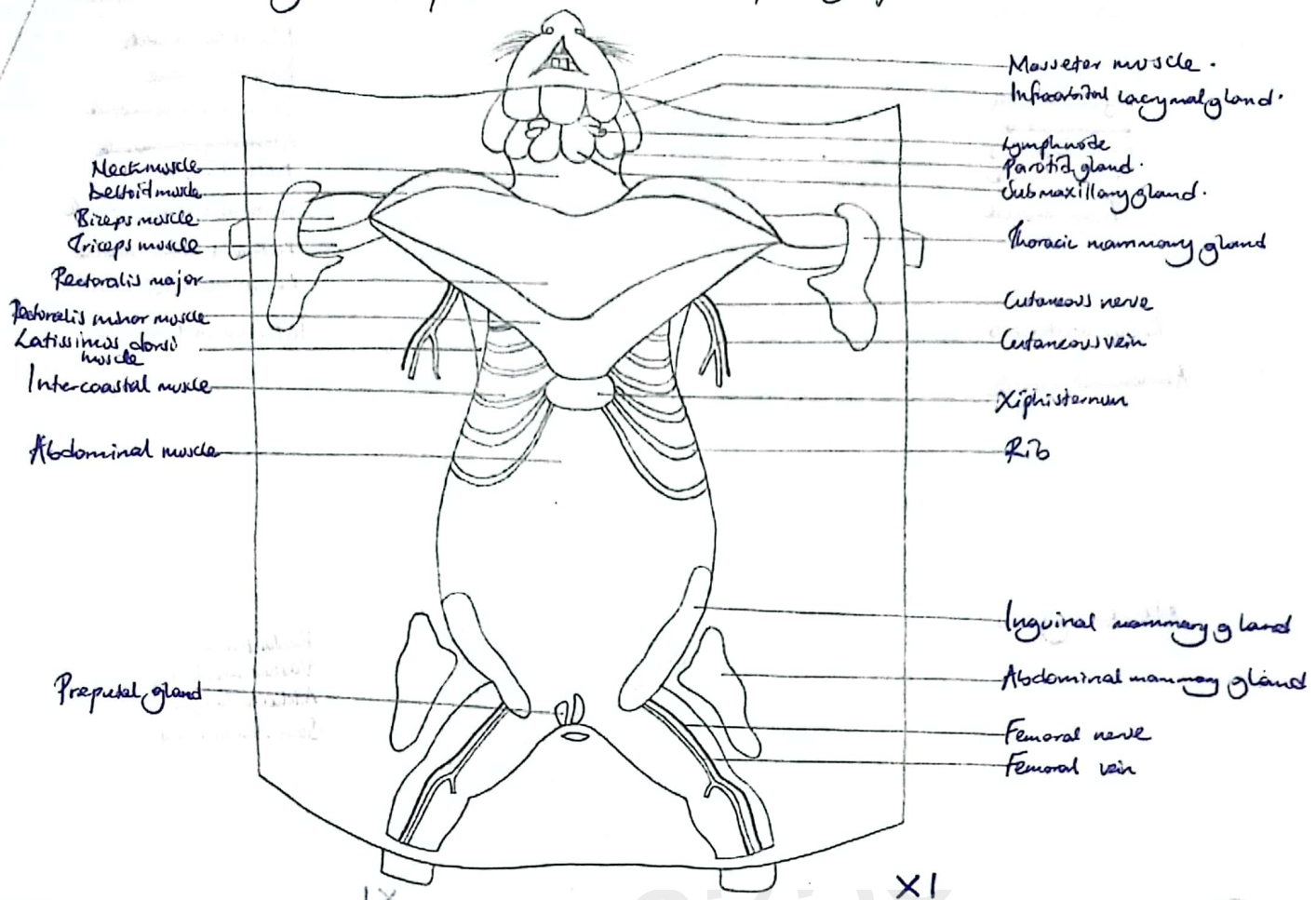


X1

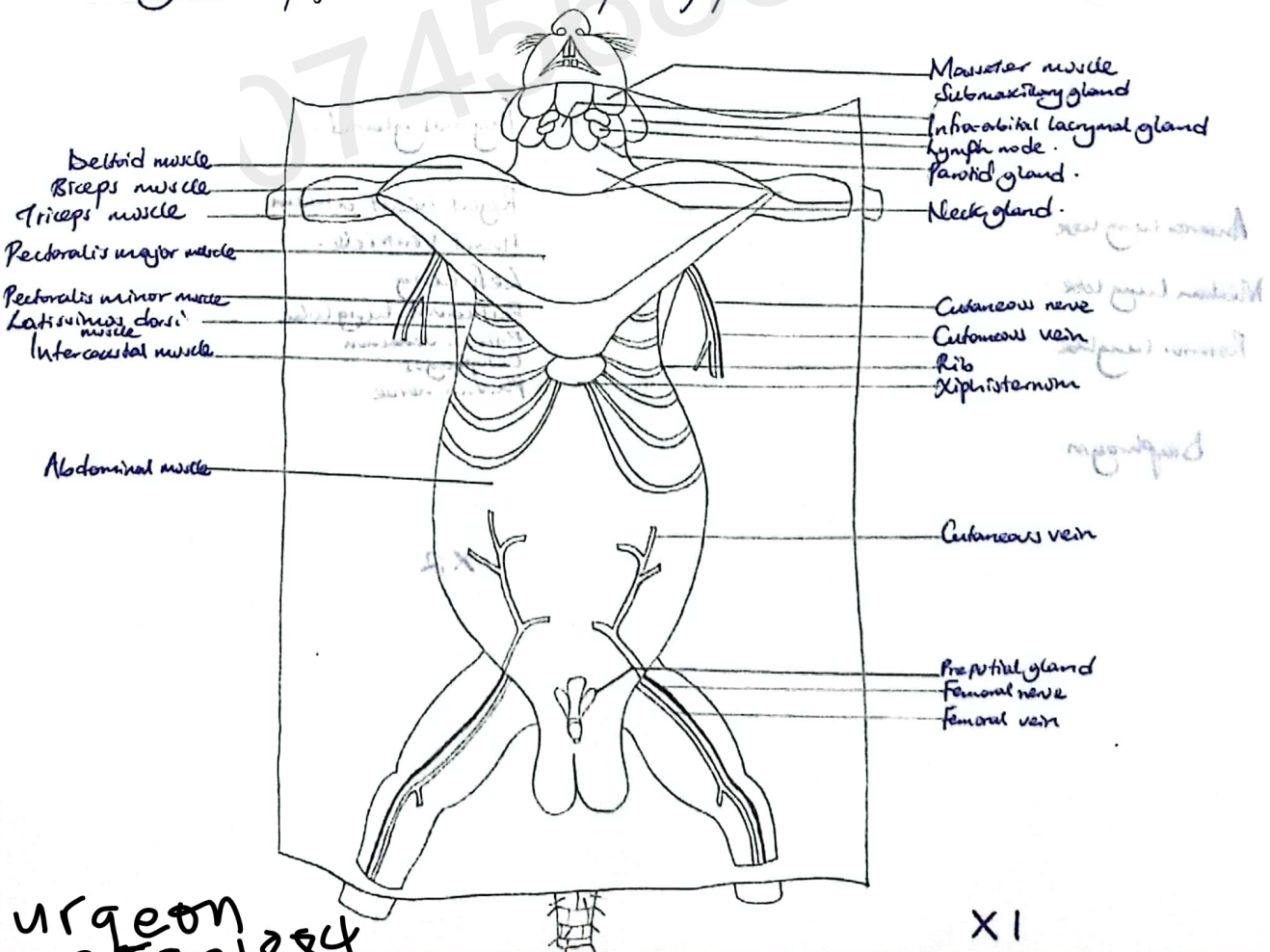
Surgeon
 0705021884
 0782306507

75

A drawing of the superficial structures after opening up the skin of a female rat.



76 A drawing of the superficial structures after opening up the skin of a male rat.

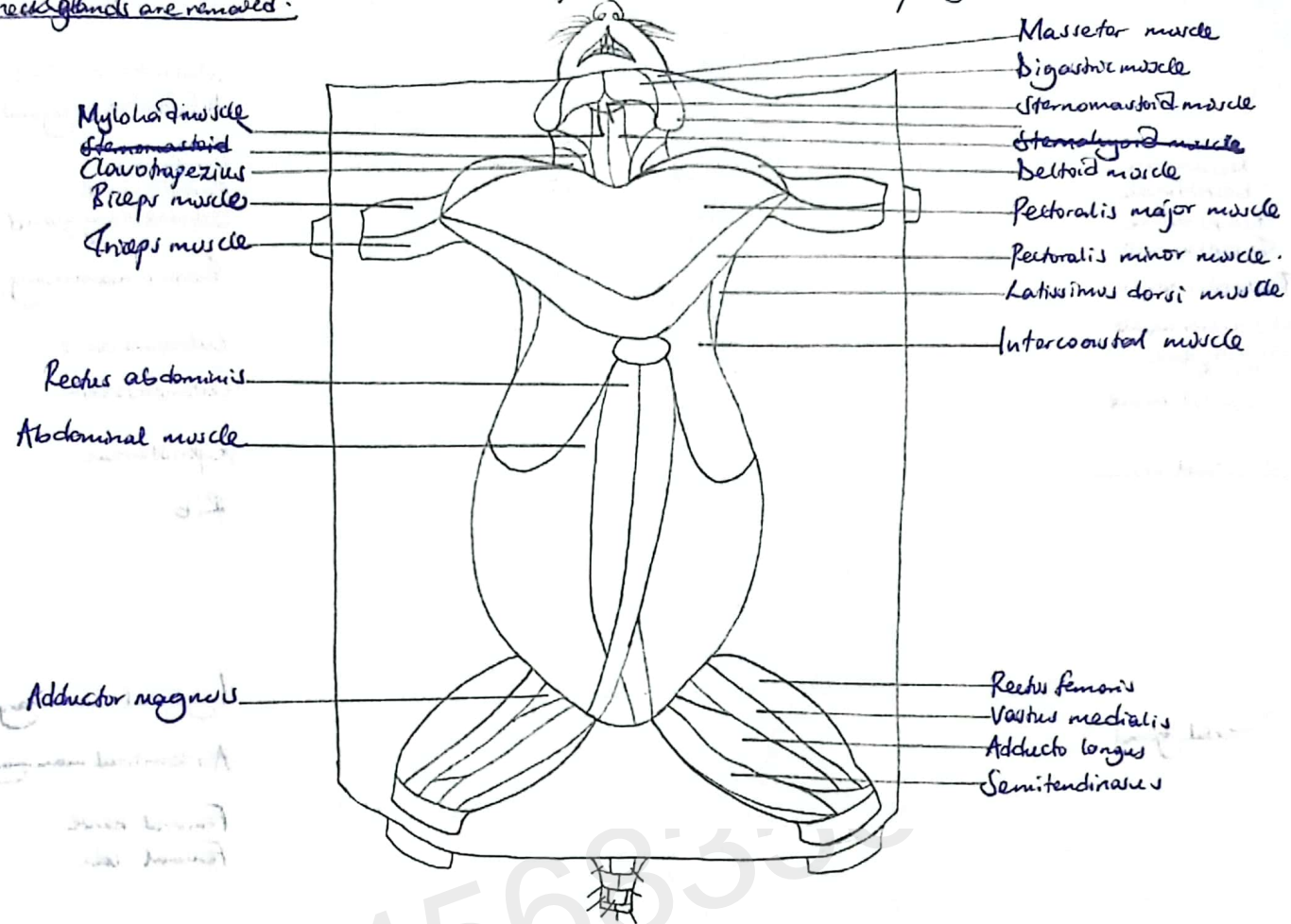


Surgeon
0705021884
0782306507

77

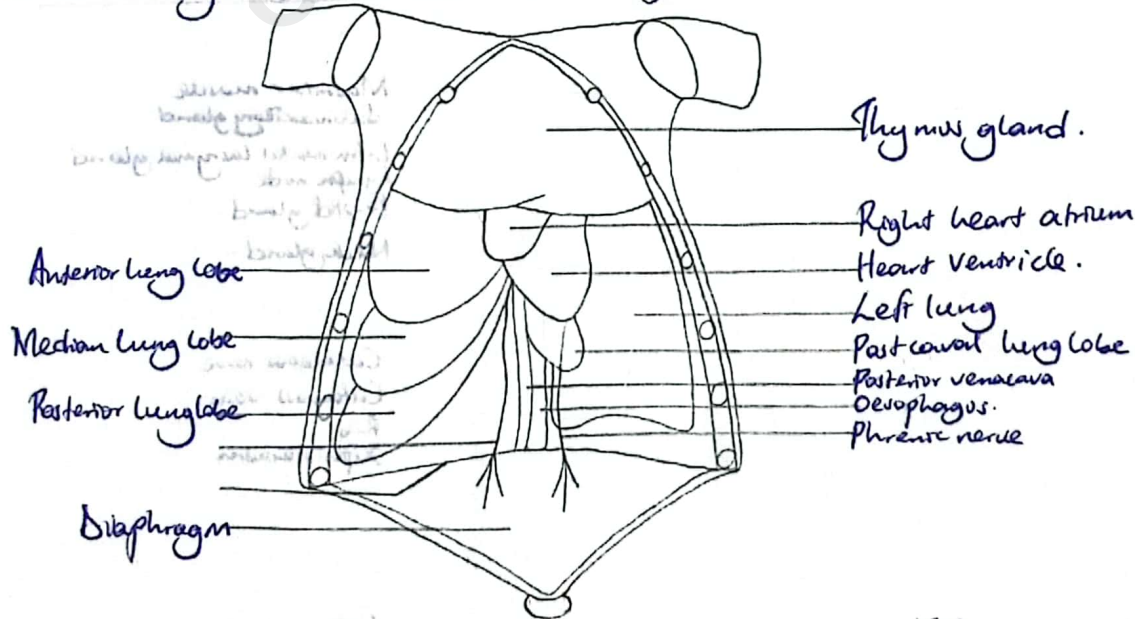
79

A drawing of the muscles of the ventral surface of the rat when the platysma, cutaneous muscles and neck glands are removed.



X1

78 A drawing of structures in the thoracic region in situ.

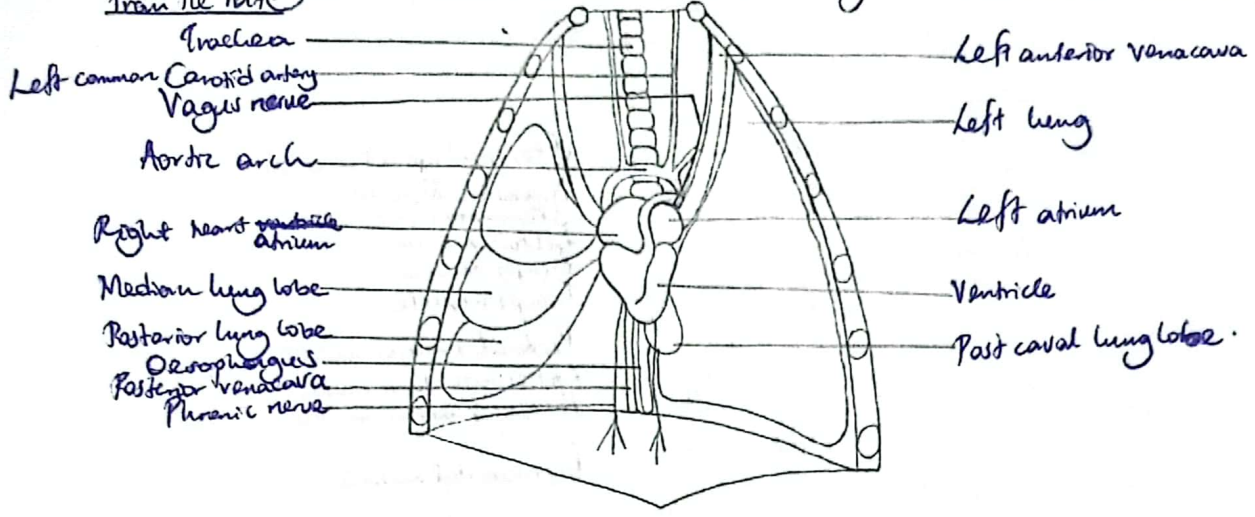


X2

Surgeon
0705021884
0782306507

79

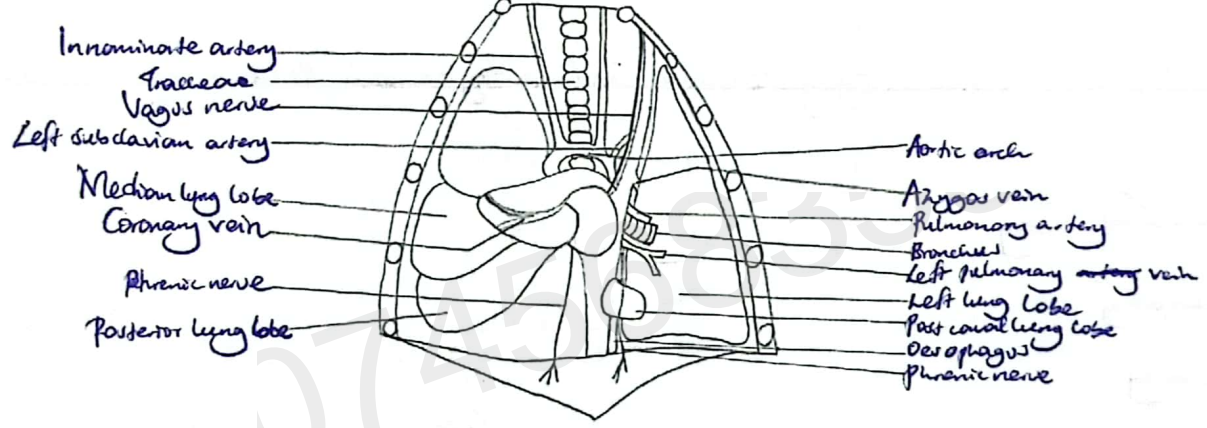
A drawing of the structures in the thoracic region when in situ with the thyroid gland removed from the neck



XI.5

80

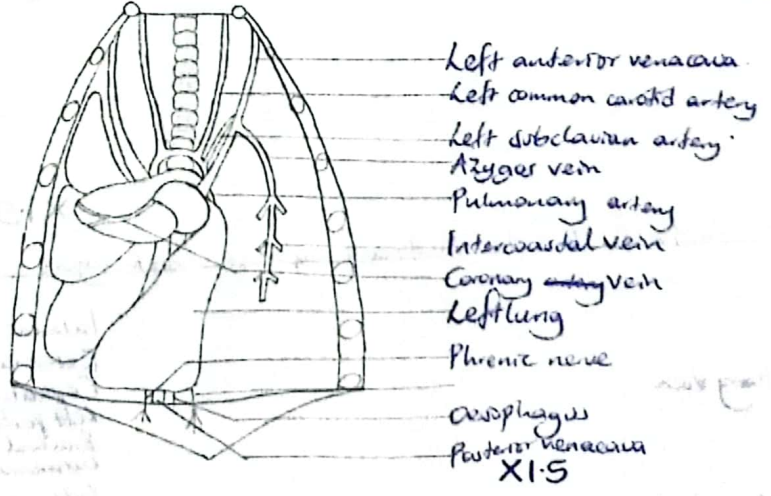
A drawing of the structures exposed in the thoracic cavity with the heart displaced and pinned to the right of the rat.



XI.5

81

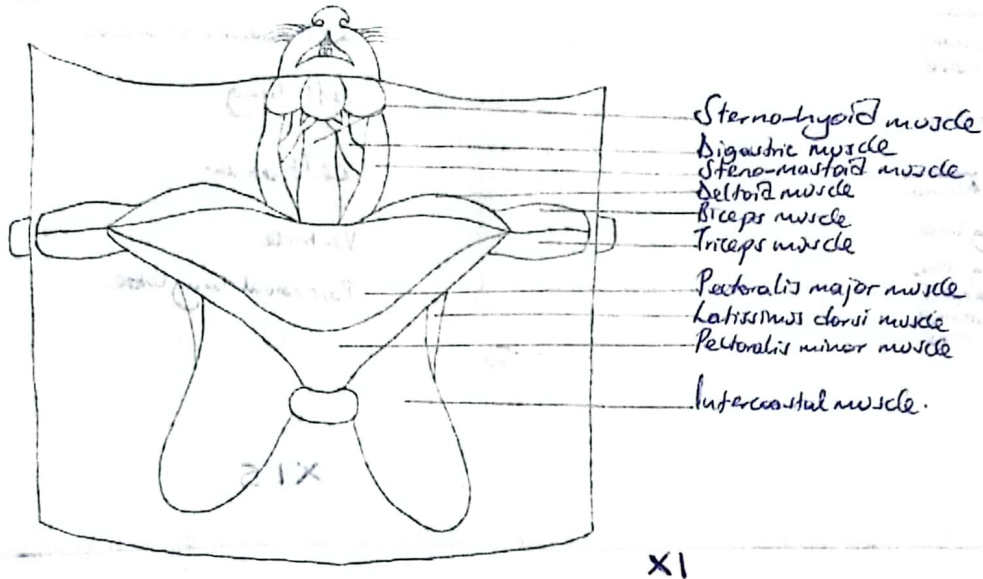
A drawing of the structures in the thoracic cavity with the heart and the left lung lobe displaced to the right of the rat.



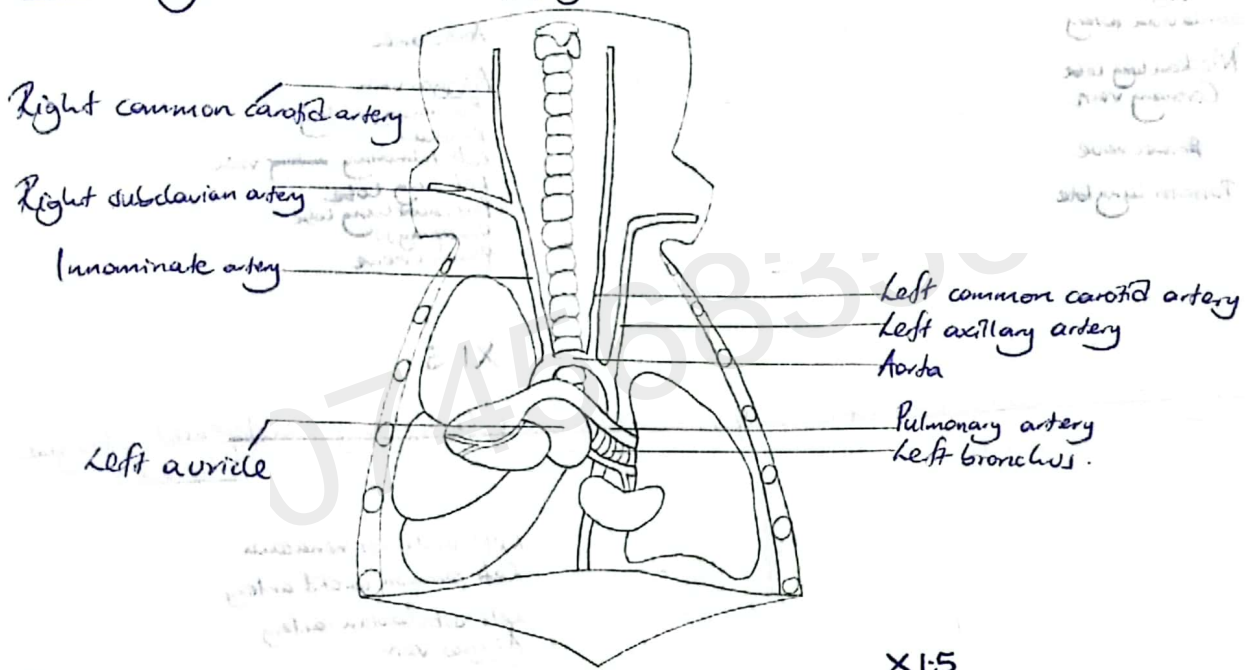
XI.5

Surgeon
0705021884
0782306507

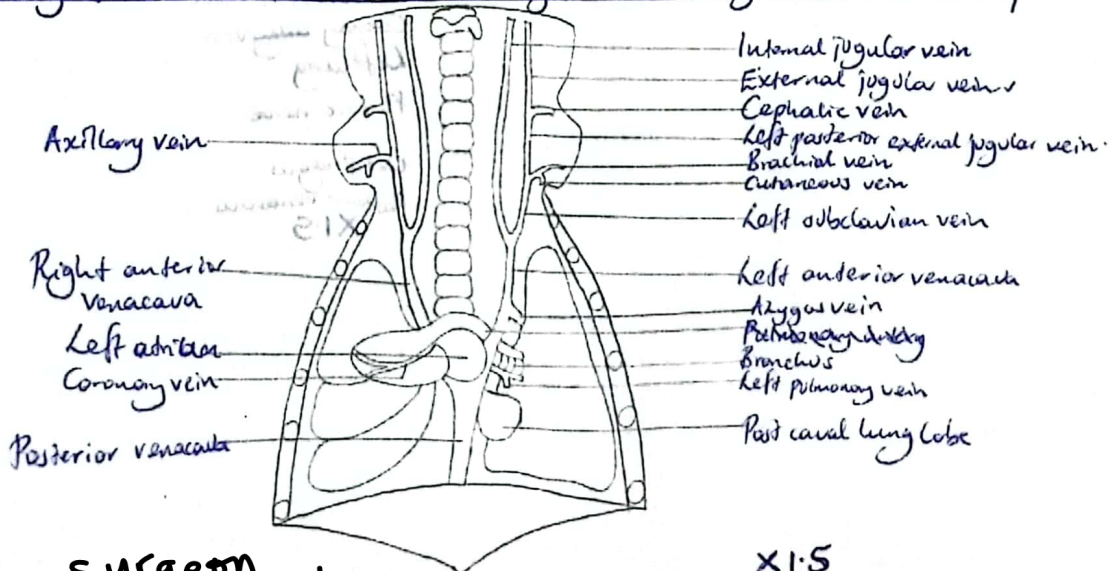
82) A drawing of the muscles of the neck and thoracic region with the neck glands removed from the rat.



83) A drawing of the blood vessels supplying the thoracic and neck region with the heart displaced to the right.



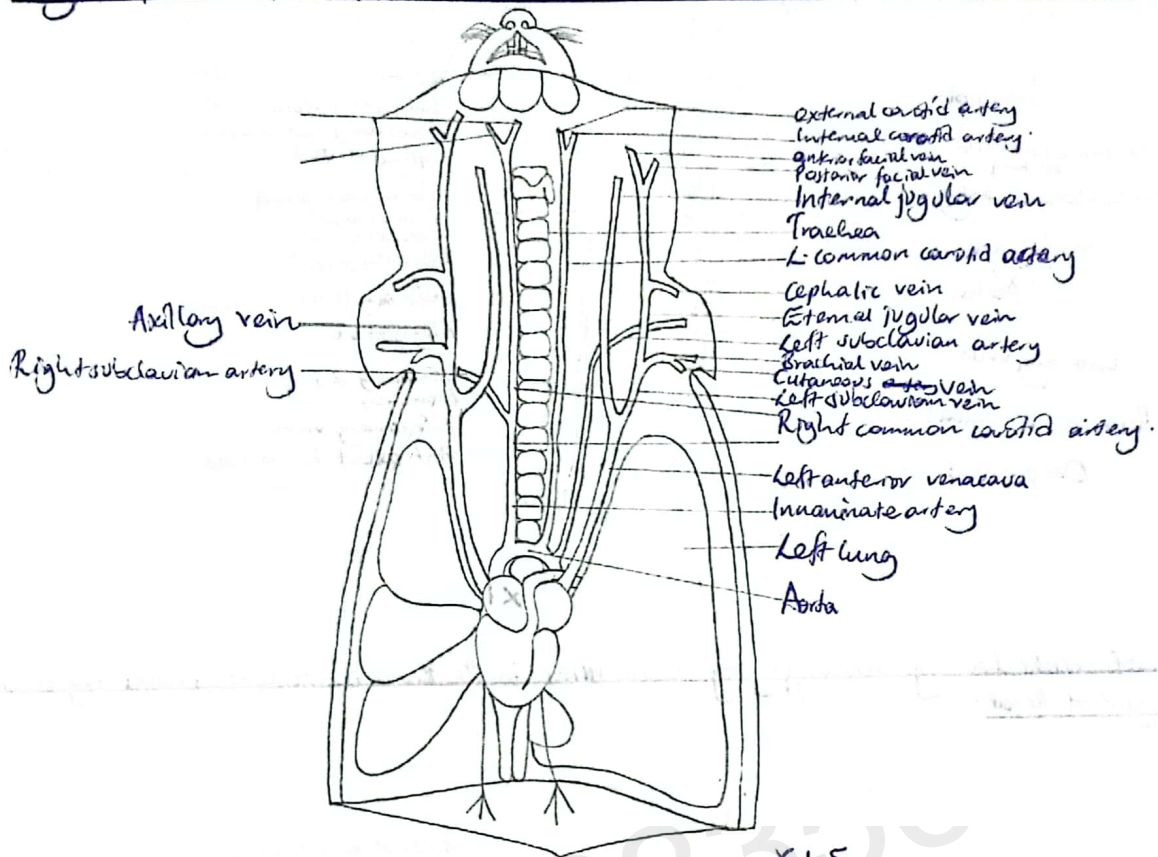
84) A drawing of blood vessels that drain the thoracic region and neck region with the heart displaced to the right.



Surgeon
0705021884
0782306507

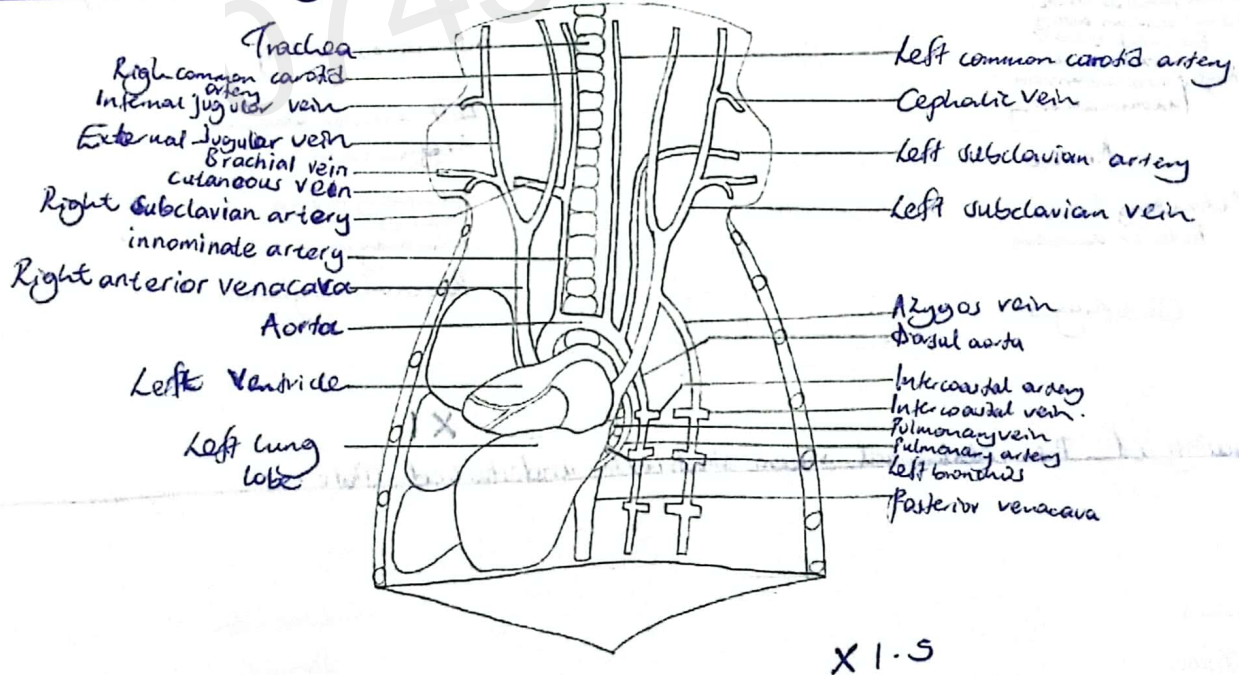
85

A drawing of the blood circulation in the thoracic region, ^{head region,} and neck region, and the exposed organs with the heart in situ.



86

A drawing of the circulation and respiratory system within the thoracic and lower neck regions of the rat with the heart and left lung depicted as on the right of the specimen and the thyroid gland removed.



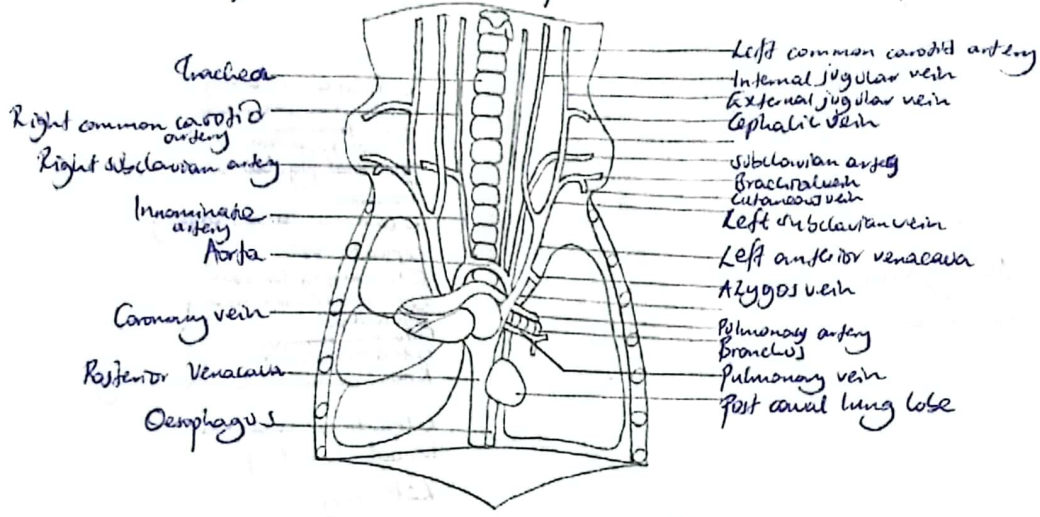
Surgeon
0705021884
0782306507

87

90

2008

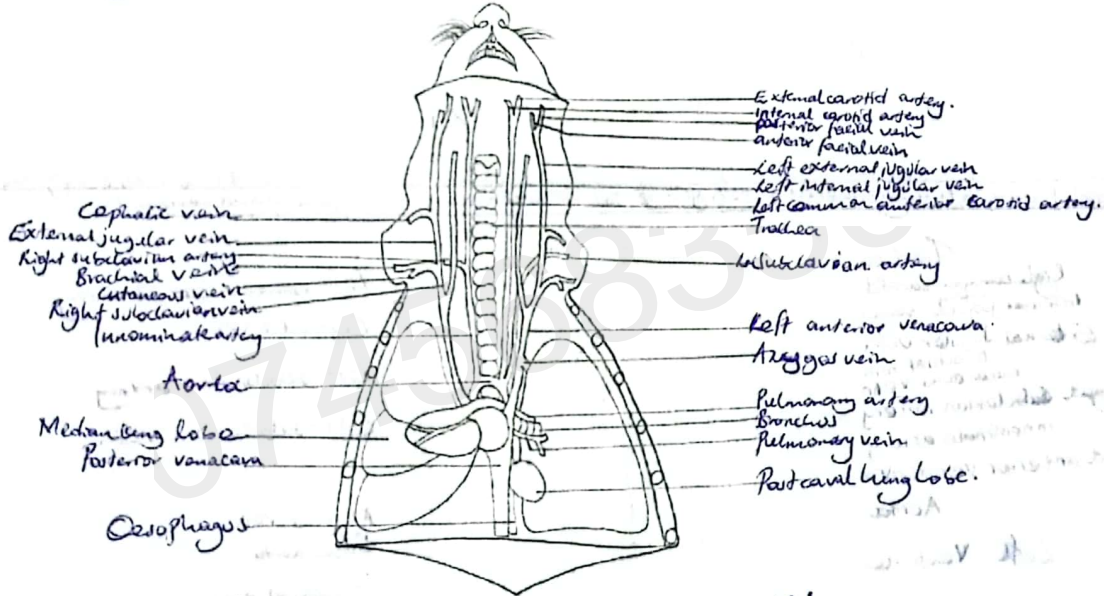
A drawing of the blood circulation in the thoracic region, and neck region with the organs exposed and the heart displaced to the right of the specimen:



x1

88

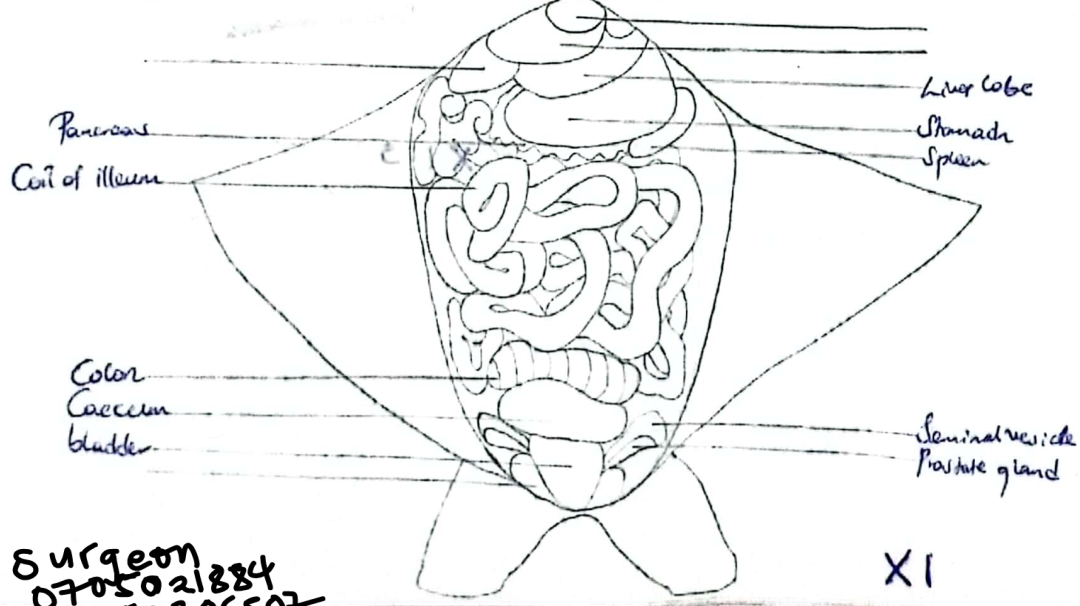
A drawing of vessels draining and supplying the structures in the thoracic, neck and head region with the heart deflected to the right of head:



x1

89

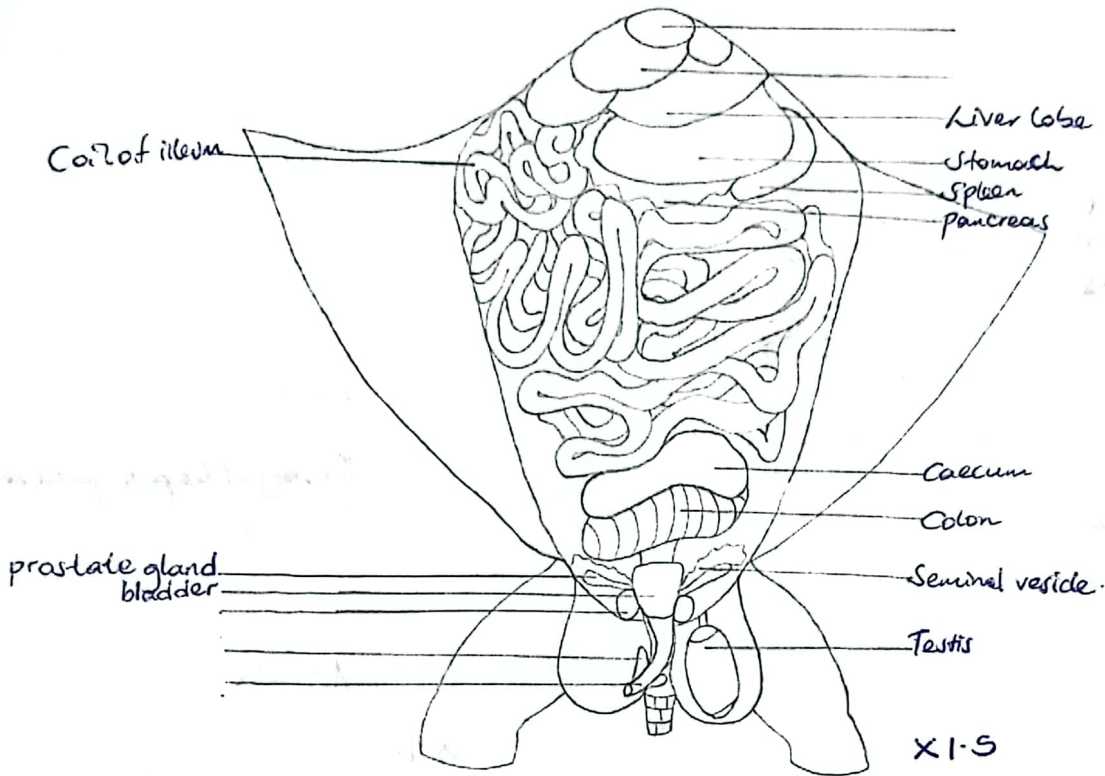
A drawing of the abdominal viscera structure undisturbed state:



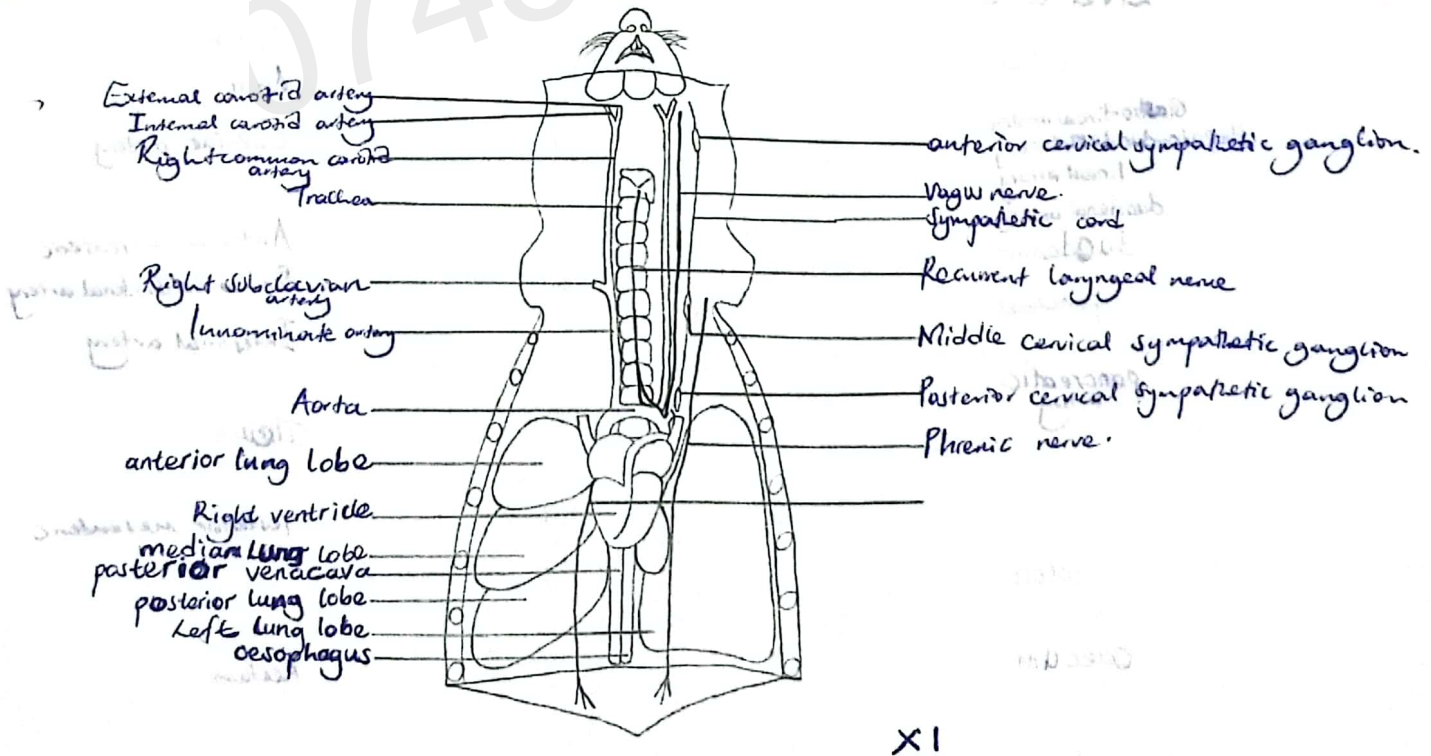
x1

Surgeon
0705021884
0782306507

90 A drawing of the structures lying posterior to the diaphragm without displacing any organs of the rest.

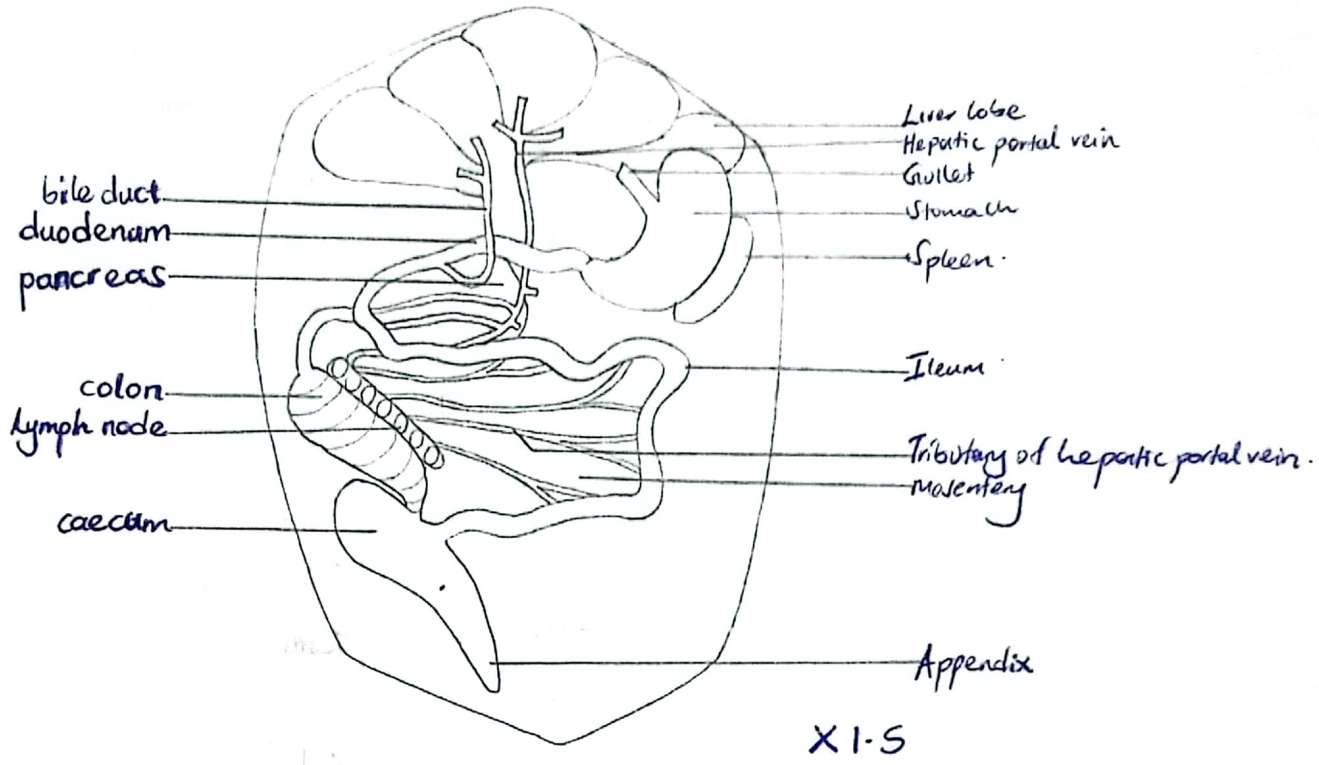


91 A drawing of the nerves of the neck on the left side and blood vessels supplying the head, chest region and visible structures in the thoracic region of a rat in situ.

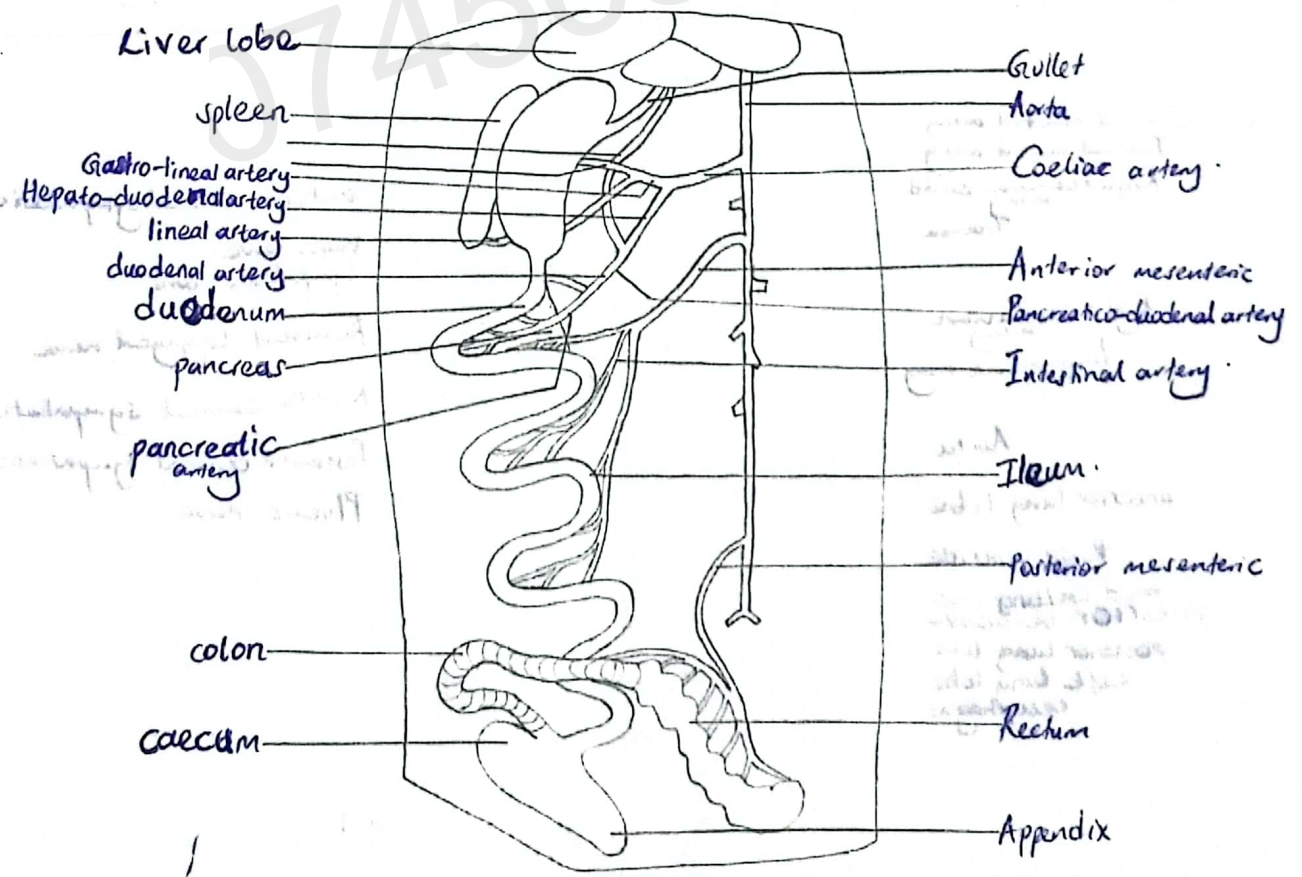


Surgeon
0705021884
0782306507

92 A drawing of the structures in the abdominal region, the alimentary canal and associated organs with the duodenum loop displaced to its right and ileum displaced to its left without destroying the mesenteries.



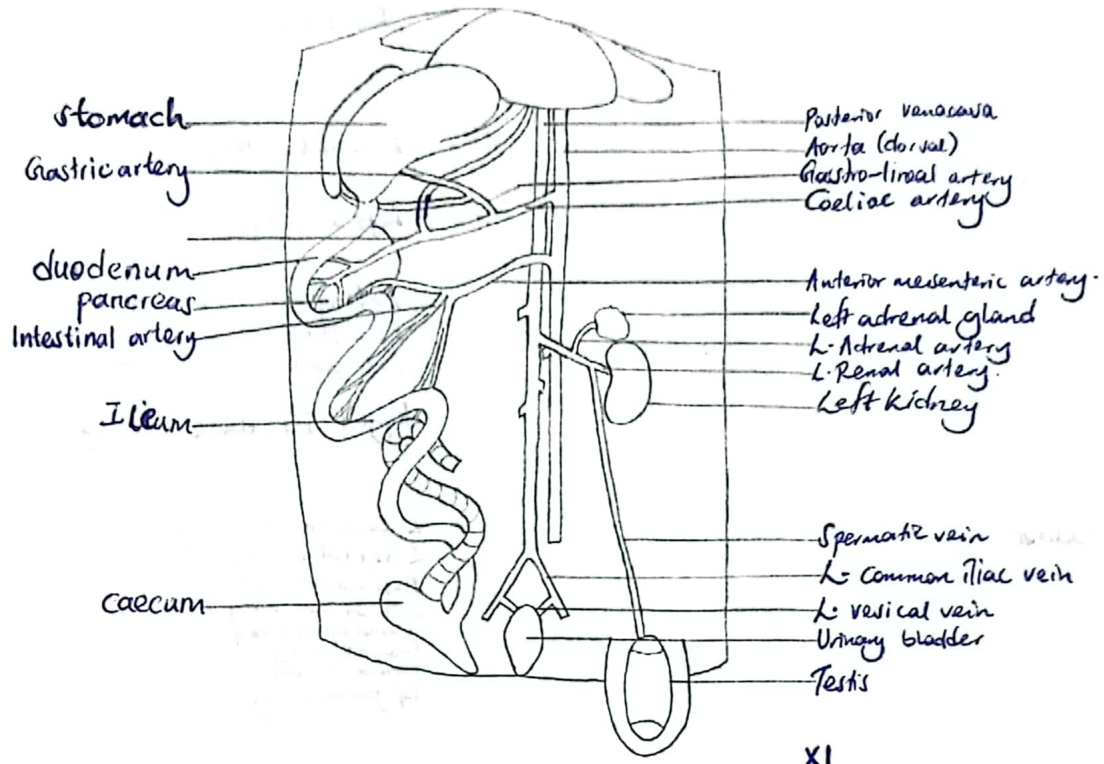
93 A drawing of bloodvessels supplying the alimentary canal and associated organs of a rat.



Surgeon
0705021884
0782306507

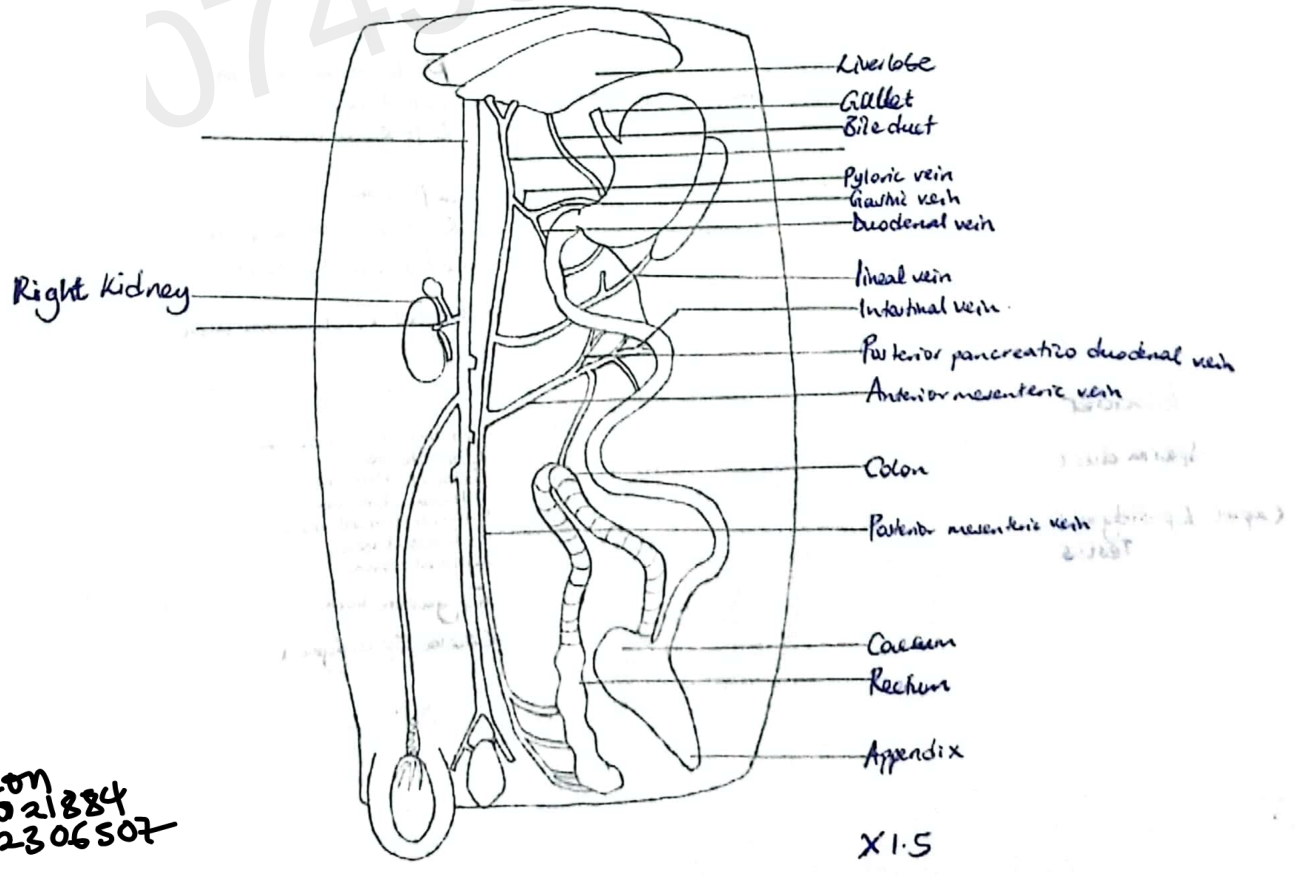
94

A drawing of blood vessels that carry blood to structures responsible for chemical digestion and secretion on the left side of the rat back to the heart.



XI

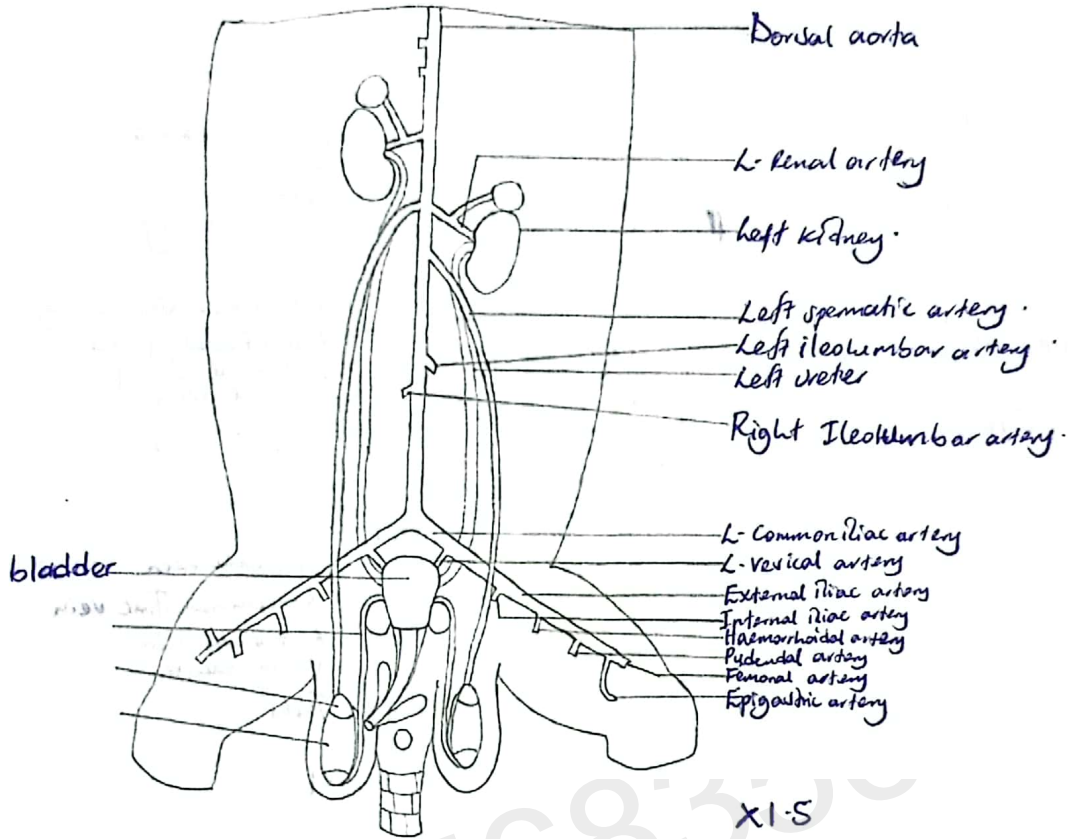
95 A drawing of blood vessels draining the digestive system and organs in the abdominal region of a rat.



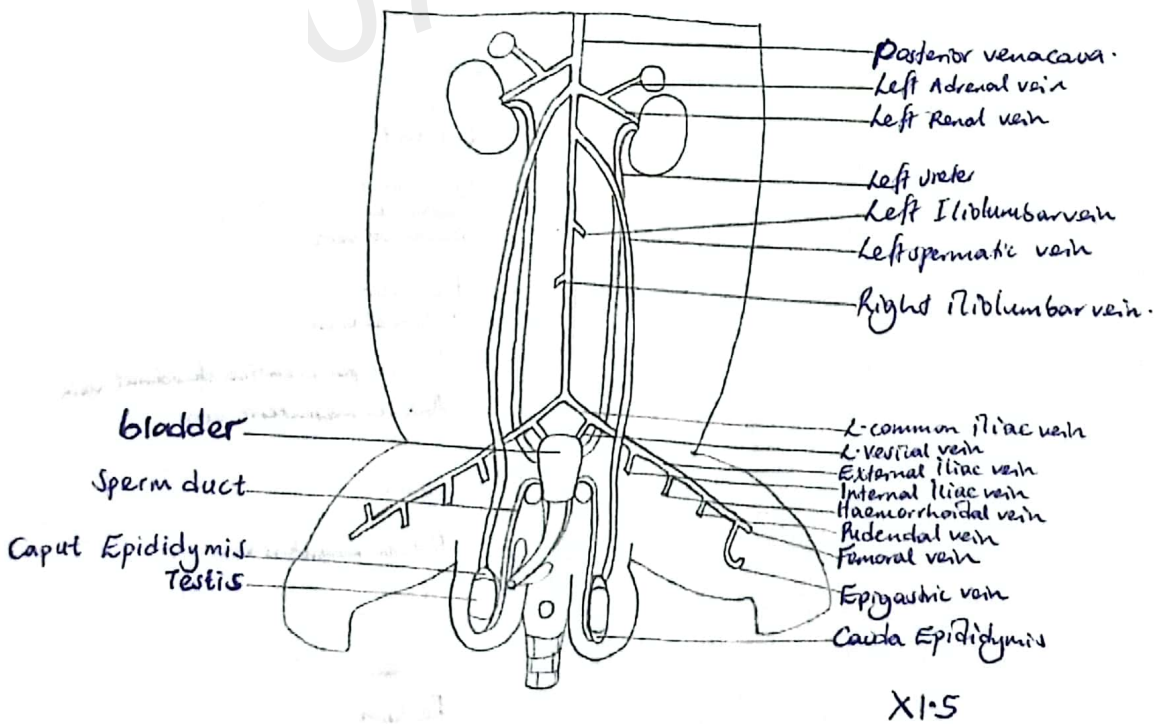
XI.5

Surgeon
0705021884
0782306507

96 A drawing of the blood vessels that supply the urogenital system and left limb of a male rat with the alimentary canal removed;



97 A drawing of the blood vessels that drain the urogenital system of the rat. abdominal region and hind limbs and pelvic region

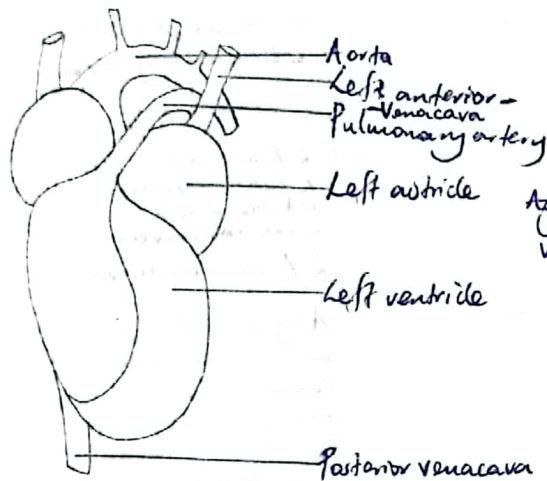


Surgeon
0705021884
0782306507

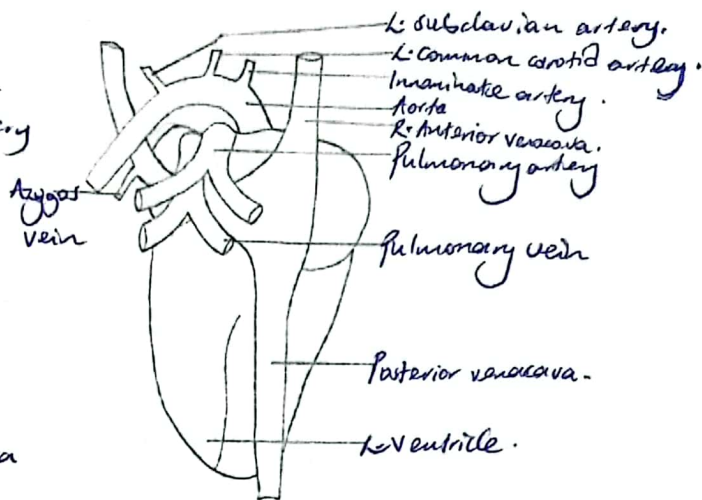
98

A drawing of the heart and associated blood vessels after ligaments have been removed.

Dorsal view

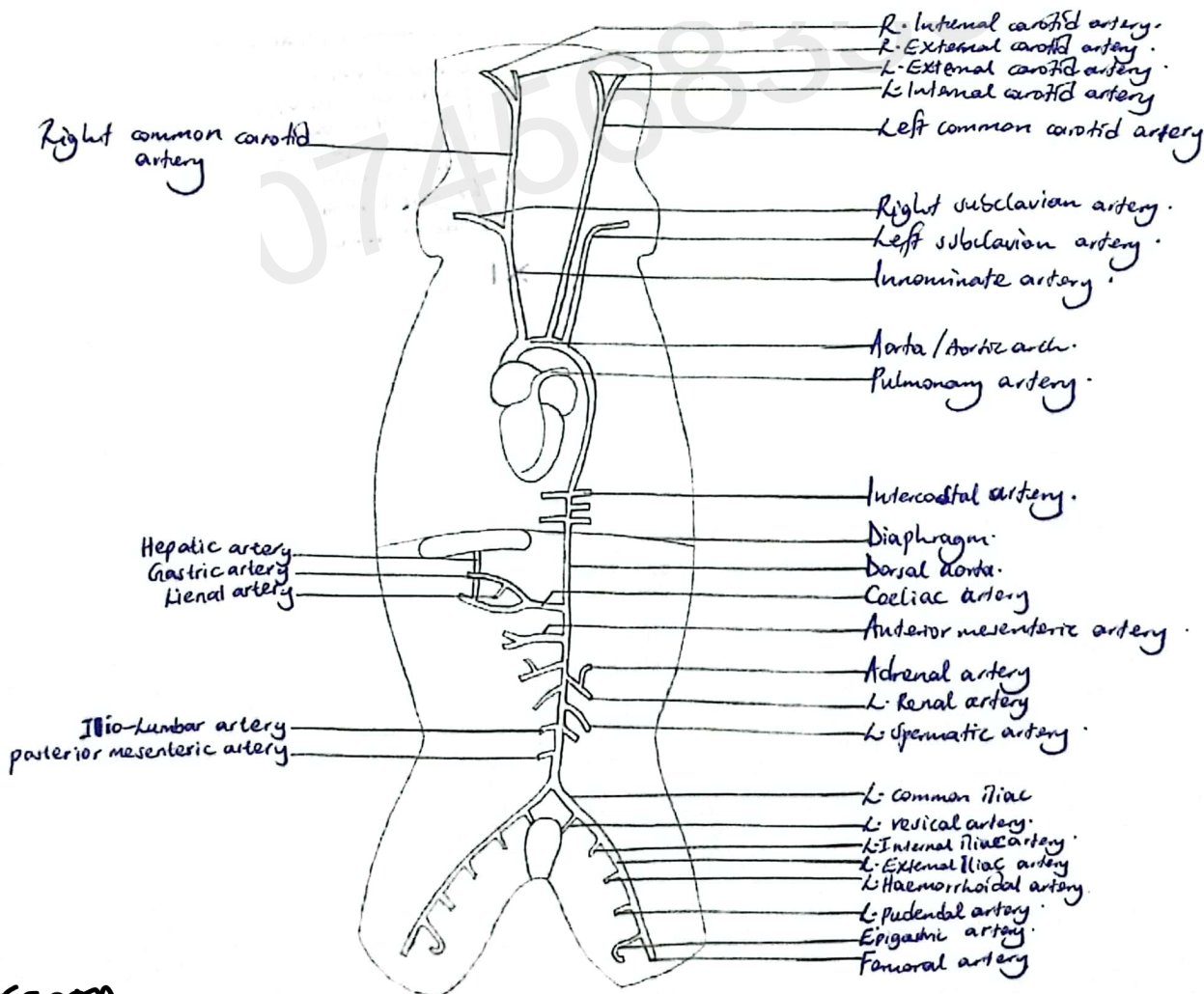


Ventral view



99

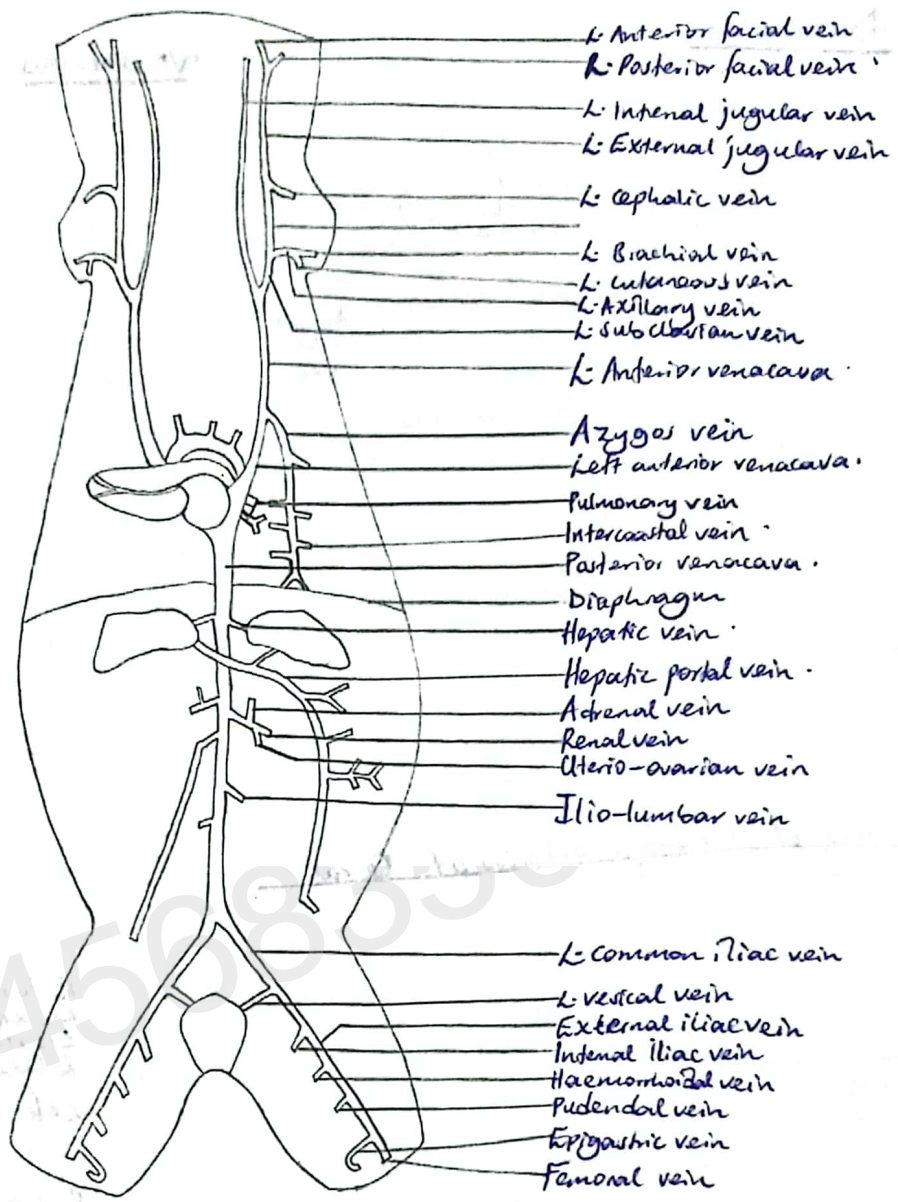
A drawing of the major arteries of the rat.



Surgeon
0705021884
0782306507

100

A drawing of the major veins of the rat.



Surgeon
0705021884
0782306507

XI

FOR BUSINESS

0705021884
0782306507
0759203256