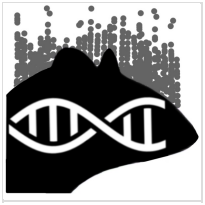

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Counting kidneys

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CGORD

Gabriel Barrero

Dissecting and counting kidneys in rats.

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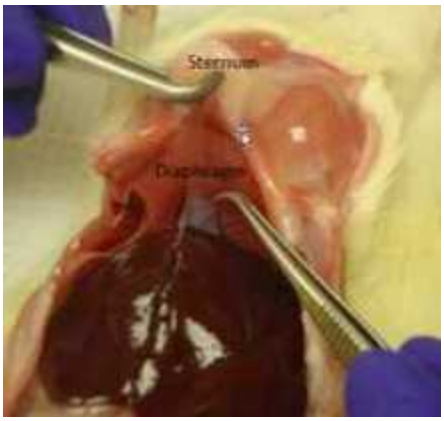
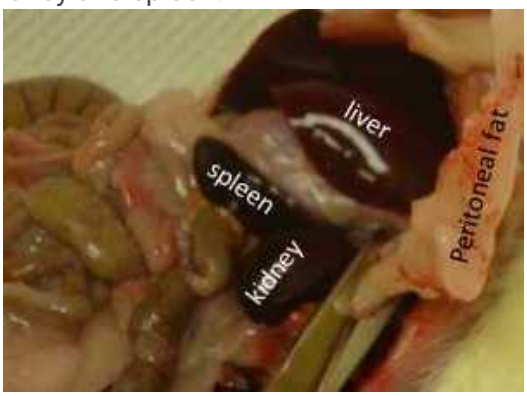
1 Rats are euthanized as per IACUC guidelines
Spray fur with ethanol. Pick up skin above the sternum, and make a cut through skin and muscle layers.
Don't cut the chest cavity (don't go above the diaphragm).

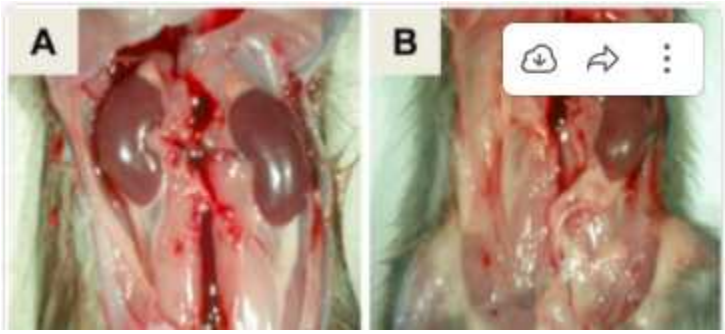
2 Cut skin and muscles from the sternum down to the lower belly. Mostly you will see liver and colon.



3 Lift liver lobes and push aside fat tissue and intestines. You will see dark-colored organs – kidney and spleen.



Gross dissection



Representative renal anomalies observed in rats. A. Grossly normal renal development. B. Unilateral renal agenesis (URA) PloS one. 10. e0118147. 10.1371/journal.pone.0118147

4 Count the number of observed kidneys and make a record in the file.

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