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Collection and Post-Surgical Excision of Human Kidney Tissue through the Cooperative Human Tissue Network

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1 Works for me dx.doi.org/10.17504/protocols.io.7gehjte

VU Biomolecular Multimodal Imaging Center

Human BioMolecular Atlas Program (HuBMAP) Method Development Community



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ABSTRACT

Scope:

Obtain kidney tissue and metadata about tissue location within the whole kidney for storage and analysis.

Expected Outcome:

A portion of kidney tissue and a series of images that provide information about the original location of the smaller tissue.

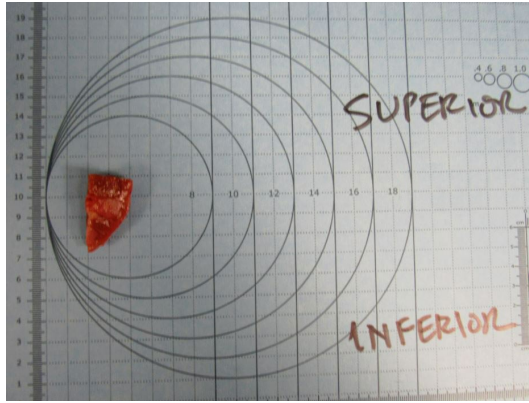
MATERIALS TEXT

Digital Camera

STERILAB Inc Grossing Boards 12X18IN, Fisher 50-131-7556

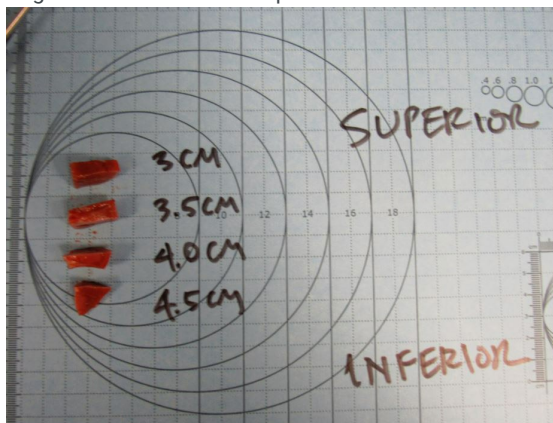
- 1 Kidney tissues are selected based on patient and clinical metadata (e.g. age<65 years old). All patients have consented to allow their tissue to be used for research purposes as part of this study.
- 2 Receive excised kidney from full nephrectomy.
- 3 Cut kidney in half along the longest plane and open like a book.
- 4 Cut out a portion of the kidney (~80 x 60 x 4 mm) that is farthest away from the tumor location.
- 5 Take a picture of the smaller piece of kidney in reference to its original location within the entire kidney if possible.

- 6 Take only a picture of the smaller piece of kidney.



- 7 Cut the piece of kidney into ~4 smaller, rectangular pieces (~2 x 15 x 4 mm).

- 8 Image each of these smaller pieces in reference to their original position.



- 9 Wrap kidneys in gauze and transfer tissue to those preparing tissue for long-term storage.



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