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🌐 Collection and Post-Surgical Excision of Human Kidney Tissue through the Cooperative Human Tissue Network V.1

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We use this protocol and it's working

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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

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

Troubleshooting

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 × 60 × 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.
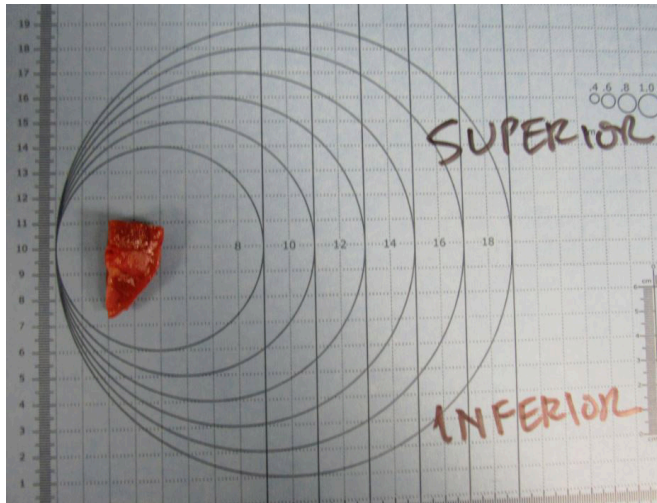
7   Cut the piece of kidney into ~4 smaller, rectangular pieces (~2 × 15 × 4 mm).

8   Image each of these smaller pieces in reference to their original position.
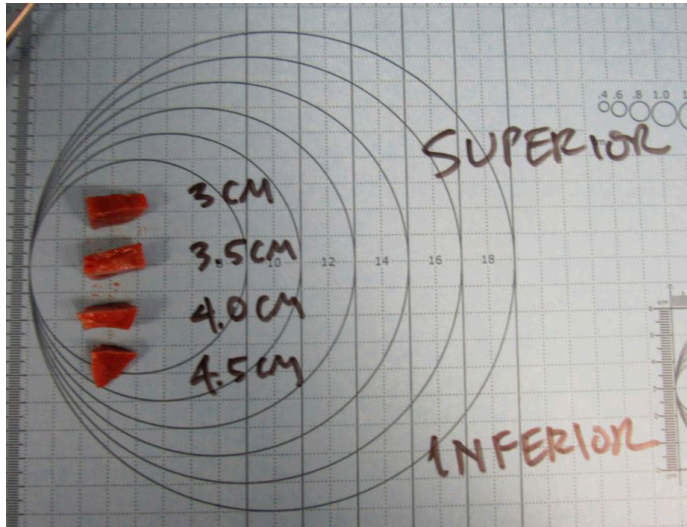
9   Wrap kidneys in gauze and transfer tissue to those preparing tissue for long-term storage.