PCRC SOP 2: Collection of Prostate and Dissection of Samples:

1. Identification of patient:

Outpatients
Screening of theatre list
Urodynamic Nurses
Urology team

- Relevant consultant approached to ask permission to approach patients.

2. Enrolment of Patients:

- Eligible patient approached During out patients
  On ward following admission

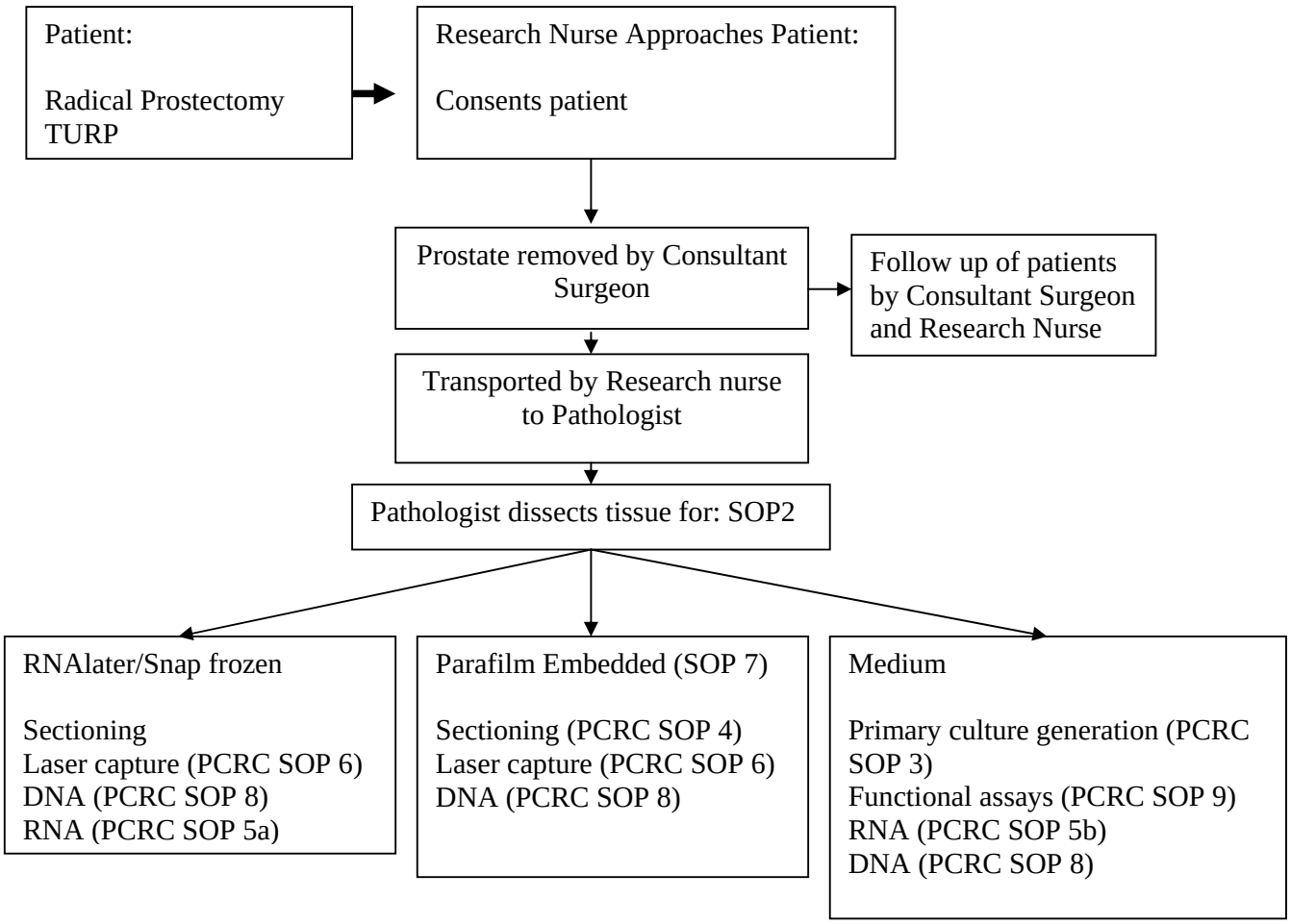
1. Prostate Collection:

- Tissue specimen jar (500ml) containing approx 250 ml RPMI-1640 medium delivered to reception of theatre either the night before or the morning of operation.
- Research Nurse rings pathologist to alert them of pending sample
- Consultant places prostate specimen into sample jar and Research Nurse transports to pathology.

2. Prostate sectioning:

- 2x 1ml tubes of RNA *later*™ (Ambion Cat no. 7023) one for tumour and one for normal laboratory card.
- 2x 50ml tubes of medium RPMI-1640 medium *(currently only Mater and St James and only on request by researchers in the Conway Institute)
- Pathologists dissect out cancer from gross morphology - tumour and normal areas collected

3. Prostate sample storage:

- Research nurse transports samples to storage centre
- *Medium samples placed in fridge and laboratory contacted for processing (see PCRC SOP 3)
- RNA*later*™ stored in –20°C freezer (for laser capture and RNA extraction, see PCRC SOP 5a/b,

Flow Diagram