

Patient Information Sheet – Xenografting V1 25/9/13

The Imperial College Healthcare Tissue Bank (ICTHB) routinely invites patients to consent to storage of any surplus tissue and blood samples for research. You may have already received an information sheet for this. In addition, we would like to invite you to consent to the use of your tissue for a research project that uses an approach called xenografting.

Xenografting is the transplantation of tissue or organs from one type of animal to another. This approach is already used to treat diseases in humans, such as the use of pig heart valves in patients with heart disease. In cancer research, xenografting involves inserting some cancer cells from a human tumour into a mouse to grow a replica tumour that behaves in a similar way to the cancer in the patient.

Mice have been used for many years to study a variety of diseases, but there is often a gap between how the disease in a mouse behaves and how the same disease in the human behaves. To reduce that gap and produce a more accurate model for research, xenografting has been developed as an alternative method. Xenografts have been shown to mimic the human tissues from which they come more closely than other types of models, for example, cells grown in a dish in the lab. Xenograft models have already been used to identify new drug targets and to work out which drugs are most effective against particular diseases.

The Imperial College Healthcare Tissue Bank is currently supporting a research project involving xenografting. The Research Ethics Committee for Wales has approved ICTHB to support projects using xenografting and the ICTHB annual report to the Ethics Committee will contain information on this project for their information. The project with which we are requesting your help has been reviewed and approved by the ICTHB's Tissue Management Committee, ensuring that the methods used are scientifically sound and that the work will add to what is already known about tumour development or treatment.

If you are happy to help us with the xenografting project, the person asking for your consent will ask you to sign two consent forms. The first is our general consent form to store any surplus tissue and blood samples for future research; the second is specifically to allow cells from your tumour to be used in the xenografting project. If you do not wish to sign the second consent form you can still sign the first and consent to your samples being stored for other cancer research projects, but they will not be used for the xenografting project.

Thank you very much for taking the time to read this information. Should you agree to take part in this project, your generosity is much appreciated.

Contact for Further Information

If you would like further information you can either

- ask the person who has provided this leaflet to you
- phone the Secretariat on 0207 33117342
- write to ICTHB, Room 11L05, Charing Cross Hospital, Fulham Palace Road, London W6 8RF (email: tissuebank@imperial.ac.uk)
- If you have access to the internet you can visit the project website (www.imperial.ac.uk/tissuebank).

SUPPLEMENTAL CONSENT FORM FOR XENOGRAFT STUDIES

Imperial College Healthcare Tissue Bank Identification Number:
Project Reference Number:

To confirm agreement with each of the statements below, please INITIAL in the box.

1. I confirm that I have read, understood and have had time to consider the supplemental information sheet version number regarding xenografting and I have had the opportunity to ask questions.
2. I understand that cells from my tumour will be used to mimic the tumour in a mouse for testing
3. I consent for my samples to be used in this way

Name of patient Date Signature

Name of person taking consent Date Signature