

**“Human Donor Islet Procurement for Research Purposes”:
RESEARCH ACTIVITY PROFILE**

Background
<p>Description of Program: To isolate & distribute islets from donor organs that are not otherwise used for clinical transplantation. Isolated islets are distributed to researchers in Canada and around the world to enable diabetes research in areas including transplantation, immunology, metabolism, genomics, drug discovery, and cell physiology. Islets are also banked for future studies.</p>
<p>Program: Alberta Diabetes Institute IsletCore, University of Alberta</p>
<p>Contact Person(s) & Contact Information: Primary Contact: James Lyon: 780 231 8804. Secondary contact: Patrick MacDonald: 780 996 0206 or 780 989 1984</p>
<p>Offering Information: If both pancreas and pancreas for islets are declined for transplant in Ontario and nationally, pancreas will be offered <u>for research</u> in accordance with the following offering algorithm:</p> <ol style="list-style-type: none"> 1. Ex-Vivo Perfusion of Human Pancreases (Dr. Reichman) 2. In Situ Investigation of Human Islet & Exocrine Function & Disease (Dr Gaisano) 3. Edmonton research program (Islet Core) <p>Exclusions: Positive serology for HIV, HTLV, HepB surface antigen, HepB core total, HCV and WNV. Visual signs of malignancy upon recovery would exclude islets.</p> <p>Inclusions: Any age, weight or HbA1c values, with or without diabetes. Positive serology for CMV and EBV are acceptable. NDD and DCD donors are acceptable. High risk behavior or incomplete medical/social history may be acceptable as exceptional release and the research group should be contacted with information.</p>
Recovery
<p>Method: When abdominal organs are being recovered and a pancreas has been declined for whole organ or islet transplantation, advise recovery team and request recovery of pancreas for islet research</p>
<p>Requirements for Perfusion: Same as a normal islet donor for transplant. Pancreas will be perfused and stored/transported in standard solution on wet ice.</p>
<p>Time Requirements: Recovery of pancreas for islet transplant/research as per usual</p>
<p>Impact on Transplant/ Recovery Procedure: Procedure does not change from normal recovery procedure</p>
<p>No blood or spleen samples required</p>
<p>Effect on Body / Post-Mortem Care: N/A</p>
Consent Considerations:
<p>DOES require research and teaching consent from the donor NOK</p>
Recovery Personnel:
<p>Retrieval teams as per transplant team involved in abdominal recovery who agree to recover pancreas for research purposes</p>
<p>Credentialing: Already credentialed as per Transplant Program protocol</p>

Required Documentation

The CSC/SRC will complete the *Islet Isolation for Research Purposes*: [TGLN Donor Information Worksheet](#)

The documents (listed below) containing the data will be placed into a sealed envelope and included in the cooler with the pancreas in the operating room.

TGLN Donor HLA Typing Report

Islet Isolation for Research Purposes: TGLN Donor Information Worksheet

Pancreas for Islets Transplant Operating Room Data (recovery sheet)

Redacted copy of donor serology results

Transportation:

Process:

Following recovery of the pancreas for research, bring the cooler containing the pancreas and documents back to the TGLN office and arrange for Courier pick-up ASAP.

World Courier (provide 24/7 door to door service)

Bookings:

World Courier Toronto Office:

Tel: 1 905 362-9462

Fax: 1 905 362-9474

Please charge to our World Courier account # **61246**.

There is also a Vancouver office, bookings can be made through either office:

Tel: 1 604 232 9444

Fax: 1 604 232 9445

Note: HOPE are aware of the shipping information and procedure in case your coordinators have queries during the process.

Pick up location: As specified by organ donation coordinator

Delivery location: Please confirm delivery address with research group at time of offering pancreas.

Default delivery location is:

6-126 Li Ka Shing Centre,
University of Alberta,
112th St and 87th Ave,
Edmonton, AB
T6G 2E1.