

## Clinical Process Instruction Manual

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### Listing, Offering and Allocation of Pancreas for Islets to Ontario Recipients Process Instruction

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#### Policy:

Trillium Gift of Life Network (TGLN) facilitates the donation of pancreas for islets to participating designated facilities for transplantation. Pancreases are first offered to pancreas transplant programs for solid organ transplant as per the *Ontario Deceased Donor Kidney/Kidney-Pancreas (KP)/ Pancreas after kidney (PAK)/ Pancreas alone (PTA) Transplantation Allocation Algorithm* on the *Online Resource Centre (ORC)*. If not used as a whole organ, the allocation of the pancreas will follow the *Ontario Pancreatic Islet Transplantation Allocation Algorithm* on the *ORC*.

Recipients are ranked according to the *Ontario Pancreatic Islet Transplantation Allocation Algorithm*. To be considered successfully transplanted, pancreas for islets recipients may require several islet cell transplants from multiple donors. The transplant programs are responsible for listing, determining the number of transplants required, and tracking the number of transplants received in the recipient record in TOTAL. Until a recipient is considered successfully transplanted, potential recipients will be ranked according to blood type and wait time.

Islets offers for Ontario recipients are made to Toronto General Hospital (TGH) via the Multi-Organ Transplant Coordinator (MOTC) on-call. It is at the transplant program's discretion to accept or decline based on the *Ontario Pancreatic Islet Transplantation Deceased Donor Criteria* and donor suitability assessment as per *Donor Assessment Process Instruction, CPI-9-208*.

#### Process:

##### Listing a New Recipient

1. Eligible candidates for pancreas for islet transplantation are identified by the transplant program. The transplant program will create a new pancreas islet registration in TOTAL and assign the recipient a status. For listing and updating recipient statuses outside of regular business hours, see *CPI-9-304 Listing Patients on the TGLN Waiting List Process Instruction*.
2. The transplant program will coordinate completion of recipient HLA typing and antibody testing with the local HLA lab.
3. Once the recipient's HLA typing is entered into TOTAL, the transplant program ensures the most current and correct clinical information is entered into the recipient registration screen in the TOTAL system.

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#### Recipient Reactivation and Status Changes

4. Recipients may receive multiple islet cell transplants from multiple donors until they are considered successfully transplanted. When islet cells have been offered and accepted for a recipient, they will appear on the Transplant In Progress (TIP) list. When the transplant has been confirmed, the CSC will enter the transplant date into the recipient transplantation record in TOTAL.
  - a. When the transplant program determines the recipient is ready for a subsequent transplant, the transplant program will create a new registration and activate the patient again on the wait list. The original waitlist date assigned to the recipient for the first islet listing will be used to determine the wait time for subsequent transplant(s).
  - b. When the transplant program determines the recipient no longer requires a subsequent transplant, the program will remove the recipient from the waitlist by checking the “Final Tx” box in TOTAL. The recipient wait time will be reset to zero for any future pancreas for islet listings.

#### Offering Process

1. In the event a donor pancreas is not used for solid organ transplant, the CSC will allocate the pancreas for islets according to the *Ontario Pancreatic Islet Transplantation Allocation Algorithm*.
2. When a potential donor has been identified, the CSC will generate the Pancreas Islet Allocation Report in the TOTAL system.
3. The CSC will offer the islets to the MOTC and document the outcome of the islet cell offer as per *CPI-9-302 Coordination of Organ Placement – All Organs Process Instruction*.
4. When islet cells are offered and accepted for a recipient in the TOTAL system, the recipient status will change to TIP. The recipient will appear in the TIP step on future allocations until transplant is confirmed.

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#### Recovery

5. The CSC will confirm the donor Operating Room (OR) time with the accepting transplant program and will arrange for recovery and transportation. For islet cells accepted by TGH, the MOTC on-call will advise the islet cell lab technician that a pancreas for islets has been accepted.
6. The CSC will ensure that the *Pancreas for Islets Transplant Operating Room Data Sheet* is sent with the Surgical Recovery Coordinator (SRC) or designate.
7. The SRC or designate will facilitate the perfusion and packaging of the pancreas for islets. For organ recoveries with an SRC, the SRC will refer to *Perfusion & Packaging: Whole Pancreas, Kidney-Pancreas and/or Pancreas for Islets Process Instruction, CPI-9-412*. For organ recoveries with a designate, the designate may refer to an alternate approved method for perfusion and packaging.
8. The CSC will email an un-redacted copy of the donor chart, consent form and medical/social history questionnaire to the Ontario source establishment - islet cells lab via the MOTC, or designate.
9. If the pancreas for islets is deemed unsuitable for transplantation in the donor OR, the CSC will update the recipient in the donor record in TOTAL by entering "Accept = N", Cancel Date and Time, declining program, physician name and decline reason. This will change the recipient status back to "Active".

#### Processing and Distribution

10. The pancreas will be delivered by the SRC, recovery fellow, or courier service to the Ontario source establishment – Toronto General Hospital – OR for isolation. The CSC or SRC will contact the islet cell lab technician to advise of the estimated time of delivery of the pancreas.
11. The outcome of the islet cell transplant will be communicated to TGLN by the MOTC on behalf of the Ontario source establishment for islet cells in writing.

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#### Documenting Outcomes

12. When a pancreas for islets is transplanted, if the *Pancreas for Islets Transplant Operating Room Data Sheet* is returned to the PRC, the CSC will upload a copy to the donor chart.
13. The CSC will record the final organ disposition in TOTAL and in iTransplant.
  - 13.1. If a recipient was successfully transplanted, the CSC will complete the following steps:
    - 13.1.1. Enter the transplant date in TOTAL on the recipient Transplantation screen.
    - 13.1.2. Update the outcome for Pancreas – Islets to “Transplanted” in the donor summary screen in iTransplant.
  - 13.2. In the event the islet cells are not transplanted, the CSC will complete the following steps:
    - 13.2.1. Unallocate the recipient in the donor record in TOTAL by changing “Accept = N”, entering a Cancel Date and Time and Decline Reason.
    - 13.2.2. Update the donor summary screen in iTransplant to indicate the reason why the pancreas for islets were not used.

#### Records:

Record Name	Form No. (if applicable)	Record Holder	Record Location	Record Retention Time (as a minimum)
Pancreas for Islets Transplant Data	CSF-9-113	PRC	PRC	16 years

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#### References:

- Ontario Deceased Donor Kidney/Kidney-Pancreas (KP)/ Pancreas after kidney (PAK)/ Pancreas alone (PTA) Transplantation Allocation Algorithm, ORC
- Ontario Pancreatic Islet Transplantation Allocation Algorithm, ORC
- Ontario Pancreatic Islet Transplantation Deceased Donor Criteria, ORC
- *Perfusion & Packaging: Whole Pancreas, Kidney-Pancreas and/or Pancreas for Islets Process Instruction, CPI-9-412*
- *Listing Patients on the TGLN Waiting List Process Instruction, CPI-9-304*
- *Coordination of Organ Placement – All Organs Process Instruction, CPI-9-302*