



Version 2

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# Determining IIDP Minimal Donor Criteria V.2

Integrated Islet Distribution Program<sup>1</sup><sup>1</sup>Integrated Islet Distribution Program, City of Hope, Duarte, CA

1 Works for me dx.doi.org/10.17504/protocols.io.bhdvj266



Integrated Islet Distribution Program

Integrated Islet Distribution Program, City of Hope

## ABSTRACT

This SOP defines the pancreas donor profile acceptable for use in the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) sponsored research in the Integrated Islet Distribution Program (IIDP). This SOP applies to all IIDP islet distribution centers using funds from the NIDDK to manufacture purified human pancreatic islets for basic research studies for IIDP approved investigators.



## Integrated Islet Distribution Program (IIDP) (RRID:SCR\_014387)

The IIDP depends on the subcontracted human islet isolation centers to provide research investigators with human islets. It is the responsibility of the human islet centers to obtain research quality pancreata from the Organ Procurement Organizations (OPO). Some criteria are stricter than those used by transplant centers for organ transplant donors. This protocol provides the inclusion and exclusion criteria in order to determine the proper parameters for research donors.

The donor criteria also reflects the required 2020 testing for COVID-19. Positive testing for COVID-19, HIV, Hepatitis C, and Hepatitis B are examples of some exclusion criteria.

## References (attached)

- [OPTN Policies Effective as of April 3 2020 \[Emergency COVID-19 Policy Actions\]](#) *Organ Procurement and Transplantation Network*, 2020 Apr.
- [2013 PHS Guideline for Reducing Human Immunodeficiency Virus, Hepatitis B Virus, and Hepatitis C Virus Transmission through Organ Transplantation1 Behavioral Risk Factors for Recent HIV, HBV, or HCV Infection.](#) *Organ Procurement and Transplantation Network*, 2013 Nov.

## EXTERNAL LINK

<https://iidp.coh.org/Investigators/Policies-Standard-Operating-Procedures>

## ATTACHMENTS

optn\_policies, Effective 2013\_phs\_guideline.pdf  
4\_3\_2020, Emergency  
COVID-19.pdf

## DOI

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## PROTOCOL CITATION

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## EXTERNAL LINK

KEYWORDS

Cadaver Donor Criteria, islets, human islets, islet isolation, pancreas, human cadaveric pancreata, Integrated Islet Distribution Program, IIDP

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GUIDELINES

**OPO Organ Acceptance Criteria**

- Each organ procurement organization (OPO) must establish criteria for an acceptable deceased donor or deceased donor organ for the transplant programs in its Donation Service Area (DSA). More information is included in the attached [OPTN Policies Effective as of April 3 2020 \[Emergency COVID-19 Policy Actions\]](#); Policies 2 and 5.

**Center Responsibilities**

- This SOP applies to all IIDP islet distribution centers using funds from the NIDDK to manufacture purified human pancreatic islets for basic research studies for IIDP approved investigators.
- It is the responsibility of the IIDP Islet Isolation Center to both follow and ensure adherence to the donor criteria outlined in this SOP prior to acceptance of pancreata.
- It is the responsibility of the IIDP Islet Isolation Center to verify that the donor criteria provided by the Organ Procurement Center (OPO) on the paperwork accompanying the pancreata is accurate before the isolation.

**Definitions**

- ***Integrated Islet Distribution Program (IIDP) (RRID:SCR\_014387)***: The IIDP is a contracted program commissioned and funded by the NIDDK to provide quality human islets to the diabetes research community to advance scientific discoveries and translational medicine. The IIDP consists of the NIDDK, the Project Officer (PO), the External Evaluation Committee (EEC) and the CC at City of Hope (COH). The IIDP CC integrates an interactive group of academic laboratories including the subcontracted IIDP centers.
- ***IIDP Coordinating Center (CC)***: Joyce Niland, Ph.D. is the Principal Investigator for the IIDP CC and leads staff from the Department of Research Information Sciences at COH to coordinate the activities of the IIDP and assist the participating centers and investigators in the distribution of human islets.
- ***Organ Procurement Organizations (OPO)***: Organ Procurement Organizations (OPOs) are not-for-profit organizations responsible for recovering organs from deceased donors for transplantation in the U.S. There are 58 OPOs, each mandated by federal law to perform this life-saving mission in their assigned donation service area.

**I. IIDP Donor Inclusion Criteria**

## 1 The following are IIDP Inclusion Criteria for Pancreas Donors for Human Islet Isolation:

- 1.1 A multi-organ donor or pancreas-only donor if the donor meets all the criteria for multi-organ donation
- 1.2 Adequate *in situ* hypothermic perfusion using UW or similar organ preservation solution for perfusion and cold storage
- 1.3 Maximum 18-hour cold ischemia
- 1.4 Donor age of 0 years to 65 years (no minimum age)
- 1.5 Duration of life support < 14 days
- 1.6 Warm ischemia / Down time < 60 minutes (including cardiac arrests)

## II. General Donor Preclusions / Exclusions

### 2 The following are frequently encountered disease states or other conditions which constitutes rejection of a potential donor:

- 2.1 Clinical or active viral Hepatitis (A, B, or C)
- 2.2 Acquired Immunodeficiency Syndrome (AIDS)
- 2.3 HIV seropositivity (HIV-I or HIV-II)
- 2.4 Syphilis
- 2.5 Active viral encephalitis or encephalitis of unknown origin

- 2.6 Creutzfeldt–Jacob Disease
- 2.7 Rabies
- 2.8 Recently treated (last 2 years) or active Tuberculosis
- 2.9 Untreated septicemia
- 2.10 Malignancies except primary brain tumors or non-melanoma of the skin
- 2.11 Serious illness of unknown etiology as the cause of death
- 2.12 EBV IgM positive
- 2.13 CMV IgM positive
- 2.14 COVID 19 (Sars-CoV-2 test) positive

### **3 As of May 1, 2020 the IIDP is requiring negative testing for COVID-19 for all IIDP pancreas donors.**

- 3.1 The COVID-19 (SARS-CoV-2) test must be performed on the donor and have negative results.
- 3.2 If negative results are obtained, the following additional information should be provided:
  - a. Specimen date and time
  - b. Specimen type
  - c. Upper Respiratory (e.g. (NP) nasopharyngeal swab, tracheal aspirate)

- d. Lower Respiratory (e.g. (BAL) bronchoalveolar lavage)
- e. Blood
- f. Other, please specify

3.3 For blood specimens, provide the test method used:

- a. Nucleic acid detection (e.g. real time RT-PCR)
- b. Serology (e.g. IgG/IgM/IgA antibody)
- c. Other, please specify

**4 The following are the "PHS 2013 Guidelines for Reducing the Transmission of HIV, Hep C and Hep B through Transplantation":**



***Transplant surgeons and the IIDP Center Directors make decisions to transplant organs and/or process pancreata for islet isolation based on individual situations with regards to these guidelines.***

- 4.1 People who have had sex with a person known or suspected to have HIV, HBV, or HCV infection in the preceding 12 months
- 4.2 Men who have had sex with men (MSM) in the preceding 12 months
- 4.3 Women who have had sex with a man with a history of MSM behavior in the preceding 12 months
- 4.4 People who have had sex in exchange for money or drugs in the preceding 12 months
- 4.5 People who have had sex with a person who had sex in exchange for money or drugs in the preceding 12 months
- 4.6 People who have had sex with a person who injected drugs by intravenous, intramuscular, or subcutaneous route for nonmedical reasons in the preceding 12 months
- 4.7 A child who is 18 months of age and born to a mother known to be infected with, or at increased risk for, HIV, HBV, or HCV infection

- 4.8 A child who has been breastfed within the preceding 12 months and the mother is known to be infected with, or at increased risk for, HIV infection
- 4.9 People who have injected drugs by intravenous, intramuscular, or subcutaneous route for nonmedical reasons in the preceding 12 months
- 4.10 People who have been in lockup, jail, prison, or a juvenile correctional facility for more than 72 consecutive hours in the preceding 12 months
- 4.11 People who have been newly diagnosed with, or have been treated for, syphilis, gonorrhea, *Chlamydia*, or genital ulcers in the preceding 12 months

### III. Donor Information

- 5 A copy of the Donor Information Form, including Serology Test results, Medical and Social History, Consent Form, and OR Management Sheets must be received with the pancreas or by fax before processing may begin.
- 6 A copy of the negative results of the COVID-19 (SARS-CoV-2) testing document must be uploaded to the IIDP website before broadcast.