

## Checklist for Reporting Human Islet Preparations Used in Research

|   |  |
|---|--|
| <b>Manuscript DOI:</b> DB20-0204  |  |
| <b>Title:</b> Epigenetic changes in Langerhans islets preceding the onset of diabetes   |  |
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| Islet preparation              | 1    | 2    | 3      | 4      | 5    | 6      | 7    | 8 <sup>a</sup> |
|--------------------------------|------|------|--------|--------|------|--------|------|----------------|
| MANDATORY INFORMATION          |      |      |        |        |      |        |      |                |
| Unique identifier              | 17   | 18   | 19     | 20     | 21   | 22     | 23   | 24             |
| Donor age (years)              | 41   | 74   | 46     | 68     | 54   | 56     | 62   | 75             |
| Donor sex (M/F)                | Male | Male | Female | Female | Male | Female | Male | Female         |
| Donor BMI (kg/m <sup>2</sup> ) | 22.5 | 23   | 22.9   | 21.5   | 23.4 | 28     | 24.8 | 33.1           |

|   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|
| Donor HbA <sub>1c</sub> or other measure of blood glucose control           | 51  | 44  | 31  | 33  | 34  | 38  |   | 51  |
| Origin/source of islets <sup>b</sup>  | The Nordic Network For Clinical Islet Transplantation | The Nordic Network For Clinical Islet Transplantation | The Nordic Network For Clinical Islet Transplantation | The Nordic Network For Clinical Islet Transplantation | The Nordic Network For Clinical Islet Transplantation | The Nordic Network For Clinical Islet Transplantation | The Nordic Network For Clinical Islet Transplantation | The Nordic Network For Clinical Islet Transplantation |
| Islet isolation centre  | Uppsala   | Uppsala   | Uppsala   | Uppsala   | Uppsala   | Uppsala   | Uppsala   | Uppsala   |
| Donor history of diabetes? Yes/No   | yes   | yes   | no  | no  | no  | no  | yes   | yes   |
| <b>If Yes, complete the next two lines if this information is available</b> |   |   |   |   |   |   |   |   |
| Diabetes duration (years)   |   |   |   |   |   |   |   |   |
| Glucose-lowering therapy at time of death <sup>c</sup>                      |   |   |   |   |   |   |   |   |

| RECOMMENDED INFORMATION |  |  |  |  |  |  |  |  |
|-------------------------|--|--|--|--|--|--|--|--|
| Donor cause of death    |  |  |  |  |  |  |  |  |
| Warm ischaemia time (h) |  |  |  |  |  |  |  |  |
| Cold ischaemia time (h) |  |  |  |  |  |  |  |  |

|   |  |  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|--|
| Estimated purity (%)  |  |  |  |  |  |  |  |  |
| Estimated viability (%)   |  |  |  |  |  |  |  |  |
| Total culture time (h) <sup>d</sup>   |  |  |  |  |  |  |  |  |
| Glucose-stimulated insulin secretion or other functional measurement <sup>e</sup> |  |  |  |  |  |  |  |  |
| Handpicked to purity?<br>Yes/No   |  |  |  |  |  |  |  |  |
| Additional notes  |  |  |  |  |  |  |  |  |

<sup>a</sup>If you have used more than eight islet preparations, please complete additional forms as necessary

<sup>b</sup>For example, IIDP, ECIT, Alberta IsletCore

<sup>c</sup>Please specify the therapy/therapies

<sup>d</sup>Time of islet culture at the isolation centre, during shipment and at the receiving laboratory

<sup>e</sup>Please specify the test and the results