

**NHS BLOOD AND TRANSPLANT
ORGAN DONATION AND TRANSPLANTATION DIRECTORATE**

PANCREAS ADVISORY GROUP

AUDIT OF STANDARD CRITERIA FOR LISTING

SUMMARY

INTRODUCTION

- 1 Selection criteria for patients onto the national pancreas transplant list were agreed to accompany the pancreas allocation scheme and ensure equitable access to pancreas transplantation in the UK. Adherence to the criteria has been audited via the Supplementary Pancreas/Islet Registration form since 1 May 2012. This paper reports form return rates and any patient listings that do not meet the agreed criteria.

FORM RETURN RATES

- 2 There were 163 registrations between 1 April 2020 - 31 March 2021, compared with 325 in 2019/2020. Nationally the return rates for the supplementary form have reached 97% for whole pancreas and 90% for islet registrations. This return rate ranged across centres from 92% to 100% for whole pancreas and 0% to 100% for islet registrations.

STANDARD LISTING CRITERIA

- 3 Of the 100 new supplementary forms received between 1 February 2021 - 31 July 2021, 99 patients met the standard listing criteria. One SPK patients was outside of the standard listing criteria due to estimated GFR being greater than 20. This patient was approved by the appeals process.

ACTIONS

- 4 Members are asked to return the completed Supplementary Pancreas/ Islet Registration form as soon as a patient is listed.
- 5 Members are reminded that patients who no longer meet the requirement for a priority islet listing (e.g routine graft has failed or reactivation to priority list following period of suspension is more than 12 months after routine transplant) will need to liaise with ODT Hub Information Services when removing the patient from the priority list and activating them on the routine transplant list in order to preserve the patient's accrued waiting time.
- 6 For any patient transfer, between centres or transplant lists, it is essential that ODT Information Services are contacted by telephone (0117 975 7523) to ensure accrued waiting time is transferred correctly to the new registration. Following the telephone notification, the centre must then confirm changes in writing by sending an email to ODTRegistrationTeamManagers@nhsbt.nhs.uk.

**NHS BLOOD AND TRANSPLANT
ORGAN DONATION AND TRANSPLANTATION DIRECTORATE**

PANCREAS ADVISORY GROUP

AUDIT OF STANDARD CRITERIA FOR LISTING

INTRODUCTION

- 7 Selection criteria for patients onto the national pancreas transplant list were agreed to accompany the pancreas allocation scheme and ensure equitable access to pancreas transplantation in the UK. An audit of new registrations was proposed to ensure these criteria are being met and data collection commenced 1 May 2012. This paper reports form return rates between 1 April 2020 - 31 March 2021 and patient listings between 1 February 2021 - 31 July 2021 with additional details on any that do not meet the agreed criteria.

FORM RETURN RATES

- 8 **Table 1** shows the number of new registrations at each centre and the supplementary form return rates for the period 1 April 2020 - 31 March 2021. **Table 1** also shows the number of registrations that were within criteria or were approved by the Pancreas Advisory Group Exemptions Panel. Nationally, there were 143 new registrations for whole pancreas in the time period and the form return rate was 97% and ranged from 92% to 100% across the centres. For 20 new islet registrations in the time period the form return rate was 90% and ranged from 0% to 100% across centres.
- 9 Lists of registered patients with outstanding supplementary forms are sent out to centres each month.

Table 1 Centre specific return rates for the standard listing criteria form, 1 April 2020 - 31 March 2021

Centre					
Vascularised pancreas	Number of new registrations	Forms returned		No. within criteria/ approved	
		N	%	N	%
Cambridge	27	26	96	26	100
Cardiff	1	1	100	1	100
Edinburgh	13	13	100	13	100
Guy's	12	11	92	11	100
Manchester	25	24	96	24	100
Newcastle	8	8	100	8	100
Oxford	53	52	98	52	100
WLRTC	4	4	100	4	100
Total	143	139	97	139	100
Pancreatic islet					
Edinburgh	9	9	100	9	100
King's College	1	0	0	-	-
Manchester	6	5	83	5	100
Newcastle	3	3	100	3	100
Oxford	1	1	100	1	100
Total	20	18	90	18	100

STANDARD LISTING CRITERIA

- 10 **Table 2** shows the number of patients, by registration type, for whom we have received a registration form between 1 February 2021 - 31 July 2021 and who met the standard listing criteria.
- 11 Of the 100 new supplementary forms received, 99 patients met the standard listing criteria. The one patient not meeting the criteria was approved by the appeals process. The standard listing criteria are shown in **Appendix 1**.

Table 2 Registrations outside standard listing criteria, 1 February 2021 - 31 July 2021

Registration type	Number of new forms received	Outside criteria		Approved appeals		Outside criteria and not approved	
		N	(% of forms received)	N	(% of forms)	N	(% of forms)
IAPK	1	0	(0%)	0	-	0	-
SIK	5	0	(0%)	0	-	0	-
SPK	90	1	(1%)	1	(100%)	0	(0%)
ITA	3	0	(0%)	0	-	0	-
Priority islet	1	0	(0%)	0	-	0	-
Total	100	1	(1%)	1	(100%)	0	(0%)

ACTION

- 12 Members are asked to return the completed Supplementary Pancreas/ Islet Registration form as soon as a patient is listed.
- 13 Members are reminded that patients who no longer meet the requirement for a priority islet listing (e.g routine graft has failed or reactivation to priority list following period of suspension is more than 12 months after routine transplant) will need to telephone ODT Information Services when removing the patient from the priority list and activating them on the routine transplant list in order to preserve the patient's accrued waiting time.
- 14 For any patient transfer between centres or transplant lists it is essential that ODT Information Services are contacted by telephone (0117 975 7523) to ensure accrued waiting time is transferred correctly to the new registration. Following the telephone notification, the centre must then confirm changes in writing by sending an email to ODTRegistrationTeamManagers@nhsbt.nhs.uk.

Appendix1: Standard listing criteria by registration type

The standard listing criteria are:

Simultaneous kidney/ pancreas (SPK) and simultaneous kidney/ islet (SIK)

- a. All patients listed should have insulin treated diabetes
- b. Patients listed with type 2 diabetes must have a BMI of $\leq 30 \text{ kg/m}^2$
- c. Patients listed must be receiving dialysis or have a GFR of $\leq 20 \text{ ml/min}$

Pancreas transplant alone (PTA)

- a. All patients listed should have insulin treated diabetes
- b. Patients listed with type 2 diabetes must have a BMI of $\leq 30 \text{ kg/m}^2$
- c. At least 2 severe hypoglycaemic episodes in the last 24 months and be assessed by a diabetologist to have disabling hypoglycaemia

Pancreas after kidney (PAK)

- a. All patients listed should have insulin treated diabetes
- b. Patients listed with type 2 diabetes must have a BMI of $\leq 30 \text{ kg/m}^2$

Islet transplant alone (ITA)

- a. All patients listed should have insulin treated diabetes
- b. Patients should have type 1 diabetes or diabetes secondary to pancreatectomy / pancreatitis. All should have confirmed C-peptide negativity in presence of glucose $> 10 \text{ mmol/l}$
- c. At least 2 severe hypoglycaemic episodes in the last 24 months and be assessed by a diabetologist to have disabling hypoglycaemia

Islet after kidney (IAK)

- a. All patients listed should have insulin treated diabetes
- b. Patients should have type 1 diabetes or diabetes secondary to pancreatectomy / pancreatitis. All should have confirmed C-peptide negativity in presence of glucose $> 10 \text{ mmol/l}$
- c. A history of severe hypoglycaemia within the last 24 months or $\text{HbA1c} \geq 53 \text{ mmol/mol}$

Priority islet transplant (since 3 September 2014)

- a. All patients should be listed within 12 months of routine graft
- b. All patients should have a functioning routine graft (C-peptide $\geq 50 \text{ pmol/L}$) at the time of priority listing.