

NHS BLOOD AND TRANSPLANT**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 266 registrations between 1 January - 31 December 2021, compared with 177 between 1 January 2020 – 31 December 2020. Nationally the return rates for the supplementary form have reached 82% for whole pancreas and 84% for islet registrations. This return rate ranged across centres from 45% to 100% for whole pancreas and 67% to 100% for islet registrations.

STANDARD LISTING CRITERIA

- 3 Of the 85 new supplementary forms received between 1 August 2021 - 31 January 2022, 85 patients met the standard listing criteria, and none needed to be approved by the Pancreas Advisory Group Exemptions Panel.

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) need to be removed (not just suspended) from the priority transplant list and activated on the routine list. Centres must telephone ODT Information Services when doing this to have the patient's accrued waiting time, from priority registration date, transferred to the routine registration.
- 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

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 January 2021 - 31 December 2021 and patient listings between 1 August 2021 - 31 January 2022 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 January 2021 - 31 December 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 241 new registrations for whole pancreas in the time period and the form return rate was 82% and ranged from 45% to 100% across the centres. For 25 new islet registrations in the time period the form return rate was 84% and ranged from 67% 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 January - 31 December 2021

Vascularised pancreas	Number of new registrations	Forms returned		No. within criteria/ approved	
		N	%	N	%
Cambridge	26	22	85	22	100
Cardiff	9	5	56	5	100
Edinburgh	27	23	85	23	100
Guy's	33	15	45	15	100
Manchester	65	60	92	60	100
Newcastle	14	12	86	12	100
Oxford	61	55	90	55	100
WLRTC	6	6	100	6	100
Total	241	198	82	198	100
Pancreatic islet					
Bristol	0	-	-	-	-
Edinburgh	13	10	77	10	100
King's College	0	-	-	-	-
Manchester	6	6	100	6	100
Newcastle	3	3	100	3	100
Oxford	3	2	67	2	100
Royal Free	0	-	-	-	-
Total	25	21	84	21	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 August 2021 - 31 January 2022 and who met the standard listing criteria.
- 11 Of the 85 new supplementary forms received, 85 patients met the standard listing criteria.

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	69	0	(0%)	0	-	0	-
PAK	2	0	(0%)	0	-	0	-
ITA	3	0	(0%)	0	-	0	-
Priority islet	5	0	(0%)	0	-	0	-
Total	85	0	(0%)	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) need to be removed (not just suspended) from the priority transplant list and activated on the routine list. Centres must telephone ODT Information Services when removing the patient from the priority list and activating them on the routine transplant list to have the patient's accrued waiting time, from priority registration date, transferred to the routine registration.
- 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 $\leq 20 \text{ mls/min}$

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.