

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 177 registrations between 1 January - 31 December 2020, compared with 270 in 2019. Nationally the return rates for the supplementary form have reached 87% for whole pancreas and 84% for islet registrations. This return rate ranged across centres from 55% to 100% for whole pancreas and 0% to 100% for islet registrations.

STANDARD LISTING CRITERIA

- 3 Of the 65 new supplementary forms received between 1 June 2020 - 31 January 2021, all patients met the standard listing criteria and none needed to be approved by the Pancreas Advisory Group Exemptions Panel.

RECOMMENDATIONS

- 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.

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

PANCREAS ADVISORY GROUP

AUDIT OF STANDARD CRITERIA FOR LISTING

INTRODUCTION

- 6 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 2020 - 31 December 2020 and patient listings between 1 June 2020 - 31 January 2021 that do not meet the agreed criteria.

FORM RETURN RATES

- 7 **Table 1** shows the number of new registrations at each centre and the supplementary form return rates for the period 1 January 2020 - 31 December 2020. **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 158 new registrations for whole pancreas in the time period and the form return rate was 87% and ranged from 55% to 100% across the centres. For 19 new islet registrations in the time period the form return rate was 84% and ranged from 0% to 100% across centres.
- 8 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 2020 - 31 December 2020

Centre						
Vascularised pancreas	Number of new registrations	Forms returned		No. within criteria/ approved		
		N	%	N	%	
Cambridge	23	17	74	17	100	
Cardiff	3	3	100	3	100	
Edinburgh	15	15	100	15	100	
Guy's	17	16	94	16	100	
Manchester	22	12	55	12	100	
Newcastle	9	8	89	8	100	
Oxford	62	61	98	61	100	
WLRTC	7	5	71	5	100	
Total	158	137	87	137	100	
Pancreatic islet						
Edinburgh	8	7	88	7	100	
King's College	1	0	0	-	-	
Manchester	5	5	100	5	100	
Newcastle	3	2	67	2	100	
Oxford	2	2	100	2	100	
Total	19	16	84	16	100	

STANDARD LISTING CRITERIA

- 9 **Table 2** shows the number of patients, by registration type, for whom we have received a registration form between 1 June 2020 - 31 January 2021 and who met the standard listing criteria.
- 10 Of the 65 new supplementary forms received, all patients met the standard listing criteria. The standard listing criteria are shown in **Appendix 1**.

Table 2 Registrations outside standard listing criteria, 1 June 2020 - 31 January 2021

Registration type	Number of new forms received	Outside criteria		Approved appeals		Outside criteria and not approved	
		N	(% of forms received)	N	(% of forms received)	N	(% of forms received)
SIK	4	0	(0%)	0	-	0	-
SPK	52	0	(0%)	0	-	0	-
PTA	2	0	(0%)	0	-	0	-
ITA	4	0	(0%)	0	-	0	-
IAK	1	0	(0%)	0	-	0	-
Priority islet	2	0	(0%)	0	-	0	-
Total	65	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) 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.

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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.

