

**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 new 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 1245 registrations between 1 May 2012 and 31 December 2016. Nationally the return rates for the supplementary form have reached 95% for whole pancreas registrations and 99% for islet registrations.

STANDARD LISTING CRITERIA AUDIT

- 3 Of the 130 new supplementary forms received between 1 July 2016 and 31 December 2016, 2 (2%) patients did not meet the standard listing criteria and neither were circulated to the Pancreas Advisory Group Exemptions Panel.
 - One PTA patient was recorded as not being assessed by a diabetologist to have disabling hypoglycaemia.
 - One ITA was recorded with no severe hypoglycaemic episodes in the last 24 months.

RECOMMENDATIONS

- 4 Members are asked to review the registrations that did not meet the standard listing criteria.

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Statistics and Clinical Studies

March 2017

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AUDIT OF STANDARD CRITERIA FOR LISTING

INTRODUCTION

- 1 Selection criteria for patients onto the national pancreas transplant list were agreed to accompany the new 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 May 2012 and 31 December 2016 and patient listings between 1 July 2016 and 31 December 2016 that do not meet the agreed criteria.

FORM RETURN RATES

- 2 **Table 1** shows the number of new registrations at each centre and the supplementary form return rates for the audit period. **Table 1** also shows the number of registrations that were within criteria or were approved by the Pancreas Advisory Group Exemptions Panel. Nationally the return rates reached 95% for whole pancreas registrations and 99% for islet registrations.

Table 1 Centre specific return rates for the standard listing criteria form, 1 May 2012 - 31 December 2016					
Centre	Number of new registrations	Forms returned		No. within criteria/ approved	
		N	%	N	%
Vascularised pancreas					
Cambridge	141	141	100	138	98
Cardiff	63	63	100	62	98
Edinburgh	116	116	100	116	100
Guy's	190	190	100	186	98
Manchester	169	119	70	115	97
Newcastle	46	46	100	46	100
Oxford	370	369	100	342	93
WLRTC	47	46	98	46	100
Total	1142	1090	95	1051	96
Pancreatic islet					
Bristol	6	6	100	6	100
Edinburgh	43	43	100	42	98
King's College	6	6	100	4	67
Manchester	9	8	89	8	100
Newcastle	15	15	100	15	100
Oxford	21	21	100	21	100
Royal Free	3	3	100	3	100
Total	103	102	99	99	97

STANDARD LISTING CRITERIA

- 3 **Table 2** shows the number of patients for whom we have received a registration form between 1 July 2016 and 31 December 2016 and who met the standard listing criteria by registration type.
- 4 Of the 130 new supplementary forms received, two (2%) did not meet the standard listing criteria. Neither of the two registrations were circulated to the Pancreas Advisory Group appeals panel. The standard listing criteria are shown in **Appendix 1**.

Registration type	Number of new forms received	Outside criteria		Approved appeals		Outside criteria and not approved	
		N	(% of forms received)	N	(% outside criteria)	N	(% outside criteria)
SIK	1	0	(0%)	0	(0%)	0	(0%)
SPK	111	0	(0%)	0	(0%)	0	(0%)
PTA	4	1	(25%)	0	(0%)	1	(100%)
PAK	2	0	(0%)	0	(0%)	0	(0%)
ITA	8	1	(13%)	0	(0%)	1	(100%)
Priority islet	4	0	(0%)	0	(0%)	0	(0%)
Total	130	2	(2%)	0	(0%)	2	(100%)

- 5 **Table 3** shows, by registration type, the criteria that were not met for the two registrations that were outside criteria and were not approved by the exemptions panel. Further details are given in **Appendix 2**.

Registration type	Criteria not met	Number of registrations
PTA	Not been assessed by a diabetologist to have disabling hypoglycaemia	1
ITA	Had 0 hypoglycaemic episodes in the last 24 months	1
Total		2

ACTION

- 6 Members are asked to review the registrations that did not meet the standard listing criteria.

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March 2016

Appendix 1: 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 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 and have confirmed C-peptide negativity in presence of glucose $>4 \text{mmol/l}$
- c. At least 2 severe hypoglycaemic episodes in 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. Should have type 1 diabetes or diabetes secondary to pancreatectomy / pancreatitis and have confirmed C-peptide negativity in presence of glucose $>4 \text{mmol/l}$
- c. A history of severe hypoglycaemia within last 2 years or 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 transplant.

Appendix 2: Registrations that did not meet standard listing criteria by registration type (*information highlighted indicates the information that does not meet the criteria*)

Patient	Transplant type	Registration date	Centre	Is the recipient insulin treated?	Cause of diabetes	BMI	Hypoglycaemic episodes in last 24 months	Diabetologist Assessment Y/N	Approved Y/N
1	PTA	16 th December 2016	Oxford	Yes	Type 2	24.0	2	N	N
2	ITA	15 th December 2016	Edinburgh	Yes	Type 1	-	0	Y	N
<i>PTA - Pancreas transplant alone</i> <i>ITA - Islet transplant alone</i>									