

**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 274 registrations between 1 April 2019 - 31 March 2020. Nationally the return rates for the supplementary form have reached 98% for whole pancreas registrations and 100% for islet registrations.

**STANDARD LISTING CRITERIA**

- 3 Of the 138 new supplementary forms received between 1 February 2020 - 31 May 2020, two (1%) patients did not meet the standard listing criteria, one was circulated to the Pancreas Advisory Group Exemptions Panel.
  - One ITA patient without confirmed C-peptide negativity
  - One PTA patient had less than 2 hypoglycaemic events

**RECOMMENDATIONS**

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

### 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 April 2019 - 31 March 2020 and patient listings between 1 February 2020 - 31 May 2020 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 April 2019 - 31 March 2020. **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 98% for whole pancreas registrations and 100% for islet registrations.
- 8 The majority of centres have a 100% return rate however, there are three vascularised pancreas centres who do not have a return rate of 100%. 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 2019 - 31 March 2020**

Centre	Number of new registrations	Forms returned		No. within criteria/ approved	
		N	%	N	%
<b>Vascularised pancreas</b>					
Cambridge	19	19	100	19	100
Cardiff	11	11	100	11	100
Edinburgh	22	22	100	22	100
Guy's	35	35	100	35	100
Manchester	61	61	100	60	98
Newcastle	5	4	80	4	100
Oxford	77	75	97	75	100
WLRTC	11	10	91	10	100
<b>Total</b>	<b>241</b>	<b>237</b>	<b>98</b>	<b>236</b>	<b>100</b>
<b>Pancreas islet</b>					
Edinburgh	8	8	100	8	100
Manchester	15	15	100	15	100
Newcastle	6	6	100	6	100
Oxford	4	4	100	4	100
<b>Total</b>	<b>33</b>	<b>33</b>	<b>100</b>	<b>33</b>	<b>100</b>

## STANDARD LISTING CRITERIA

- 9 **Table 2** shows the number of patients, by registration type, for whom we have received a registration form between 1 February 2020 - 31 May 2020 and who met the standard listing criteria.
- 10 Of the 138 new supplementary forms received, two (1%) did not meet the standard listing criteria. One of the registrations was deemed a clinical exception to the criteria and approved by members of the Pancreas Advisory Group Exemptions Panel. The standard listing criteria are shown in **Appendix 1**.

**Table 2 Registrations outside standard listing criteria, 1 February 2020 - 31 May 2020**

Registration type	Number of new forms received	Outside criteria		Approved appeals		Outside criteria and not approved	
		N	(% of forms received)	N	(%)	N	(%)
SIK	5	0	(0%)	0	-	0	-
SPK	116	0	(0%)	0	-	0	-
PTA	4	1	(25%)	0	(0%)	1	(100%)
PAK	9	0	(0%)	0	-	0	-
ITA	1	1	(100%)	1	(100%)	0	(0%)
IAK	2	0	(0%)	0	-	0	-
Priority islet	1	0	(0%)	0	-	0	-
<b>Total</b>	<b>138</b>	<b>2</b>	<b>(1%)</b>	<b>1</b>	<b>(100%)</b>	<b>1</b>	<b>(50%)</b>

- 11 **Table 3** shows, by registration type, the criteria that were not met for the registration which was not approved by the exemptions panel. Further details are given in **Appendix 2**.

<b>Table 3 Registrations outside standard listing criteria, by registration type, 1 February 2020 - 31 May 2020</b>		
<b>Registration type</b>	<b>Criteria not met</b>	<b>Number of registrations</b>
PTA	Less than 2 hypoglycaemic events	1
<b>Total</b>		<b>1</b>

### **ACTION**

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

**Appendix2: Registrations that did not meet standard listing criteria by registration type**  
*(information highlighted indicates the information that does not meet the criteria)*

*Simultaneous kidney/ pancreas (SPK)*

*Simultaneous kidney/ islet (SIK)*

*Pancreas transplant alone (PTA)*

*Pancreas after kidney (PAK)*

*Islet transplant alone (ITA)*

*Islet after kidney (IAK)*

*Priority islet transplant (since 3 September 2014)*

Patient	Transplant type	Registration date	Centre	Is the recipient insulin treated	Cause of diabetes	BMI	Is the recipient receiving dialysis	Confirmed C-peptide negativity in presence of glucose more than 10mmol/l Y/N	Estimated GFR at time of registration	Hypoglycaemic episodes in last 24 months	Diabetologist Assessment Y/N	IFCC-HbA1c	Approved Y/N
1	PTA	20 Dec 2019	Manchester	Y	Type 1	20.2	N	N	.	0	Y	.	.