

## NHS BLOOD AND TRANSPLANT

### PANCREAS ADVISORY GROUP

#### SUMMARY OF CUSUM MONITORING OF OUTCOMES FOLLOWING PANCREAS TRANSPLANTATION

#### INTRODUCTION

1. NHSBT monitors short-term patient outcomes following organ transplantation through centre specific cumulative sum (CUSUM) analyses. These are undertaken quarterly for pancreas transplantation. These 'within centre' analyses enable prompt detection of any changes in failure and mortality rates, providing external assurance and enabling centres to compare current outcomes with their own past performance to assist in internal auditing. Pancreas outcomes following solitary pancreas and simultaneous pancreas kidney (SPK) transplant and kidney outcomes following SPK transplant are monitored.
2. The methods used in the analysis are based on CUSUM monitoring and compare current outcome rates with an expected rate. Each quarter, CUSUM monitoring reports on 30-day graft failure and mortality following pancreas transplantation are produced and sent to each centre. This paper summarises the results of these reports for the time period since the last Pancreas Advisory Group meeting. Where signals have occurred, actions that were taken and lessons learnt are noted.

#### RESULTS

3. **Table 1** shows that in the time period since the last Pancreas Advisory Group meeting there have been no signals in pancreas transplantation nor in kidney outcome following SPK transplant CUSUM reporting.

Month CUSUM report issued	No. reports issued	No. signals	No. signals requiring investigation	No. investigations outstanding
<b>Pancreas outcome</b>				
June	8	0	-	-
September	8	0	-	-
<b>Total</b>	<b>8</b>	<b>0</b>	<b>-</b>	<b>-</b>
<b>Kidney outcome following SPK</b>				
June	8	0	-	-
September	8	0	-	-
<b>Total</b>	<b>8</b>	<b>0</b>	<b>-</b>	<b>-</b>

#### CONCLUSION

4. Over the time period since the last Pancreas Advisory Group meeting there have been no signals in pancreas transplantation CUSUM reporting. There were also no signals in kidney outcome following SPK transplantation CUSUM reporting.

#### ACTION

5. Early in 2025, the baseline monitoring period used to calculate the expected rates will be updated.

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**November 2024**