

NHS BLOOD AND TRANSPLANT ORGAN DONATION AND TRANSPLANTATION DIRECTORATE

KIDNEY ADVISORY GROUP

SUMMARY OF MULTI-ORGAN TRANSPLANTS INCLUDING A KIDNEY

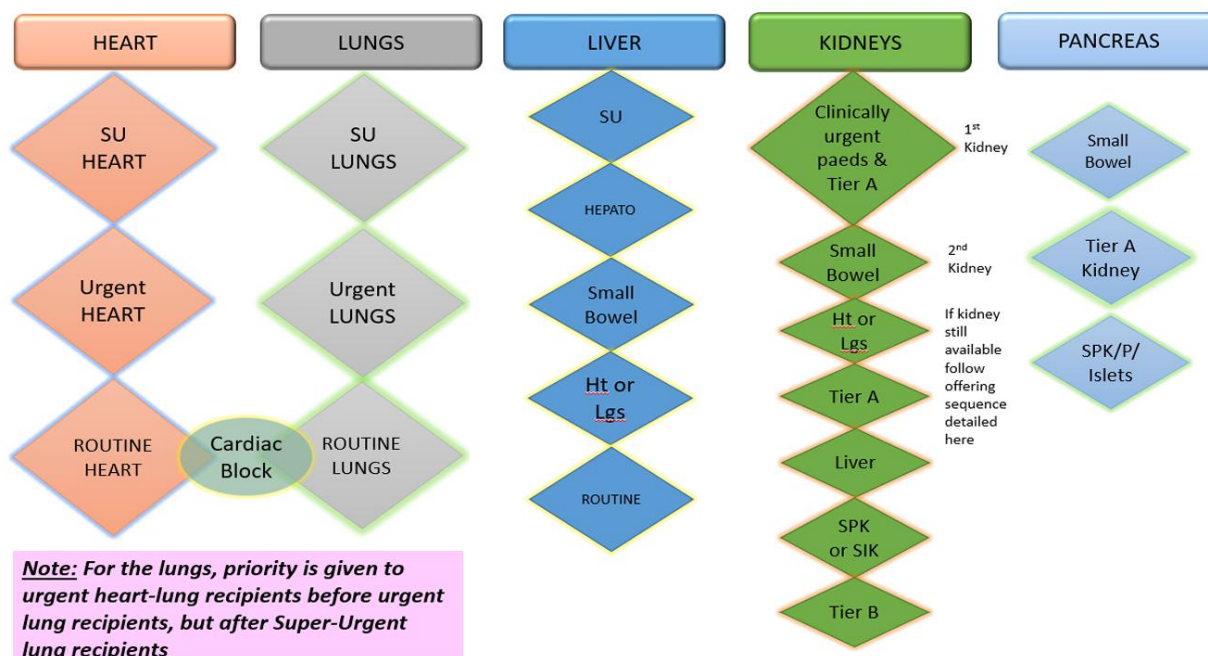
Lay summary:

Patients who undergo other organ transplants may have kidney failure, requiring a kidney transplant at the same time as their other transplant. This paper looks at the number of kidneys that have been transplanted with another organ and whether there has been any change to the rate of kidney use over time. Pancreas transplantation is the most common transplant requiring the addition of a kidney transplant, followed by liver transplant and then islet transplant. The rate of kidney use with another organ transplant does not seem to have changed over 5 years.

INTRODUCTION

- 1 This paper provides a summary of deceased donor multi-organ transplants, which included a kidney, over the last five years, with Figure 1 showing the process for multi-organ offering.

Figure 1: Flowchart of the process for multi-organ transplant offering



- 2 For multi-organ offering, the first kidney is offered to clinically urgent paediatrics and patients in Tier A. If the second kidney is available this is firstly offered to kidney and bowel patients, then heart/kidney and lung/kidney patients. If the second kidney is still available at this point it will be offered to

Tier A patients. After offering to Tier A patients, if either kidney is still available it will be offered to liver/kidney, then SPK or SIK patients before then being offered to Tier B (kidney only patients).

DATA

- 3 Data were extracted from the UK Transplant Registry on all deceased donor multi-organ transplants in the UK where a kidney was included, between 1 January 2021 - 31 December 2025.
- 4 Table 1 summarises the number of multi-organ transplants including a kidney by transplant type and year. Percentages represent each group's proportion of total multi-organ transplants including a kidney for that year.

Table 1: Number and percentage N (%) of deceased donor multi-organ transplants including a kidney, 1 January 2021 - 31 December 2025, by transplant type and year

Transplant type	Year										Total	
	2021		2022		2023		2024		2025		N	%
	N	%	N	%	N	%	N	%	N	%		
Kidney and pancreas	111	86	120	92	143	88	104	86	114	86	592	88
Kidney and liver	9	7	6	5	11	7	8	7	8	6	42	6
Kidney and pancreas islets	7	5	5	4	8	5	8	7	10	8	38	6
Kidney and heart	2	2	0	0	1	1	0	0	0	0	3	0
Modified multivisceral inc. kidney*	0	0	0	0	0	0	1	1	0	0	1	0
Total multi-organ transplants	129	100	131	100	163	100	121	100	132	100	676	100

*Modified multivisceral transplants involve the transplantation of the bowel and pancreas together with one or more of the following: kidney, spleen, stomach, abdominal wall, or colon

- 5 During the time-period there have been 676 multi-organ transplants including a kidney, typically with around 130 annually with a peak of 163 in 2023. Over the whole five-year period, multi-organ transplants including a kidney accounted for 6% of all deceased donor kidney transplants. This proportion remained stable over the last five years; accounting for between 5 and 7 percent of annual deceased donor kidney transplants.
- 6 Kidney and pancreas was the most common transplant type every year, accounting for 592 (88%) of all multi-organ transplants including a kidney in the last five years.
- 7 There were 42 kidney and liver transplants in the last five years and 38 kidney and pancreas islets transplants, each type accounting for 6% of all multi-organ transplants including a kidney.
- 8 There were three kidney and heart transplants – two in 2021 and one in 2023, and one modified multivisceral transplant which occurred in 2024. There were

no kidney and lung; kidney, liver and pancreas; or kidney, heart and lung transplants in the last five years.

SUMMARY

- 9 Over the last five years the annual number of multi-organ transplants including a kidney and their proportion of all deceased donor kidney transplants remained broadly consistent. The proportions of each multi-organ transplant type relative to total number of multi-organ transplants each year has also remained stable. Kidney and pancreas transplants are consistently the most common multi-organ transplant type by a large margin.

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