

Supplement Table A: Overview on data completeness		Standard allocation					Rescue allocation				
		Patients with follow-up		Lost to follow-up		p- value	Patients with follow-up		Lost to follow-up		p- value
		N (25475)	%	N (4748)	%		N (2421)	%	N (316)	%	
Age period	16-55 years	12188	47.8	2574	54.3	<0.001	891	36.8	126	40.0	0.434
	56-64 years	5777	22.7	1236	26.1		876	36.2	113	35.9	
	≥65 years	7516	29.5	932	19.7		655	27.0	76	24.1	
Age period donor	0-15 years	427	1.7	24	0.5	<0.001	69	2.8	9	2.9	0.921
	16-55 years	12856	50.5	2827	59.6		883	36.5	115	36.5	
	56-64 years	5484	21.5	1162	24.5		577	23.8	80	25.4	
	≥65 years	6714	26.3	729	15.4		893	36.9	111	35.2	
Allocation program	ETKAS	19520	76.6	4168	87.9	<0.001	2258	93.2	295	93.7	0.871
	ESP	5961	23.4	574	12.1		164	6.8	20	6.3	
Cold ischemia period	<10h	6143	24.1	748	15.8	<0.001	224	9.2	27	8.6	<0.001
	10-18h	11925	46.8	1062	22.4		1091	45.0	97	30.8	
	≥18h	3626	14.2	257	5.4		889	36.7	44	14.0	
	Missing	3787	14.9	2675	56.4		218	9.0	147	46.7	
Donor sex	Female	12060	47.3	2115	44.6	<0.001	1089	45.0	115	36.5	0.005
	Male	13421	52.7	2627	55.4		1333	55.0	200	63.5	
Disease group	Glomerulonephritis	5895	23.1	1034	21.8	0.002	559	23.1	64	20.3	0.057
	Cystic disease	3429	13.5	727	15.3		390	16.1	55	17.5	
	Diabetes	2160	8.5	372	7.8		225	9.3	17	5.4	
	Other	13997	54.9	2609	55.0		1248	51.5	179	56.8	
HLA match grouping	favorable†	18369	72.1	3788	79.9	<0.001	1310	54.1	184	58.4	0.349
	non-favorable‡	2990	11.7	459	9.7		761	31.4	90	28.6	
	Missing	4122	16.2	495	10.4		351	14.5	41	13.0	
Waiting time	0-11 months	1122	4.4	171	3.6	0.002	156	6.4	10	3.2	<0.001
	12-23 months	3090	12.1	518	10.9		371	15.3	30	9.5	
	≥24 months	21269	83.5	4053	85.5		1895	78.2	275	87.3	
Recipient sex	Female	9162	36.0	1813	38.2	0.003	935	38.6	129	41.0	0.458
	Male	16319	64.0	2929	61.8		1487	61.4	186	59.0	
Transplant count	1	23549	92.4	4480	94.5	<0.001	2225	91.9	285	90.5	0.345
	2	1811	7.1	243	5.1		189	7.8	30	9.5	
	≥3	121	0.5	19	0.4		8	0.3	0	0.0	
Transplantation period	2006-2009	9799	38.5	1006	21.2	<0.001	613	25.3	55	17.5	<0.001
	2010-2013	9051	35.5	879	18.5		675	27.9	39	12.4	
	2014-2018	6631	26.0	2857	60.2		1134	46.8	221	70.2	
Organ	Left kidney	12382	48.6	2332	49.2	0.469	1101	45.5	149	47.3	0.577
	Right kidney	13099	51.4	2410	50.8		1321	54.5	166	52.7	
Country	Germany	15064	59.1	2591	54.6	<0.001	1837	75.8	290	92.1	<0.001
	Austria	3066	12.0	220	4.6		247	10.2	12	3.8	
	Belgium	2922	11.5	753	15.9		65	2.7	1	0.3	
	Netherlands	1972	7.7	11	0.2		119	4.9	0	0.0	
	Croatia	1764	6.9	33	0.7		74	3.1	0	0.0	
	Slovenia	498	2.0	37	0.8		26	1.1	5	1.6	
	Hungary	171	0.7	1095	23.1		54	2.2	7	2.2	
	Luxembourg	24	0.1	2	0.0		0	0.0	0	0.0	

†At least one HLA-DR plus at least one HLA-A or one HLA-B match.

‡No HLA-DR or neither HLA-A nor HLA-B match.

Supplement Table A: Overview on data completeness for follow-up entries after the transplant of rescue and standard allocation with regard to transplant-specific factors for ETKAS (Eurotransplant Kidney Allocation System) and ESP (Eurotransplant Senior Program) data.