

Table 15.4b
Steroid Avoidance Rate at Discharge, 1999 to 2008
Recipients of Living Donor Kidneys

Discharge Regimen		Year of Transplant									
		1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	Patients	4,075	4,726	5,188	5,354	5,508	5,682	5,553	5,514	5,167	5,139
	Steroids Avoided	118	262	464	630	1,015	1,607	1,815	2,087	2,119	2,087
	Rate	2.9%	5.5%	8.9%	11.8%	18.4%	28.3%	32.7%	37.8%	41.0%	40.6%
CyA	Patients	235	167	123	80	104	122	26	28	20	6
	Steroids Avoided	1	4	8	4	10	20	6	10	3	2
	Rate	0.4%	2.4%	6.5%	5.0%	9.6%	16.4%	23.1%	35.7%	15.0%	33.3%
Tac	Patients	120	203	220	233	191	197	137	192	187	167
	Steroids Avoided	5	30	46	87	64	68	57	112	98	92
	Rate	4.2%	14.8%	20.9%	37.3%	33.5%	34.5%	41.6%	58.3%	52.4%	55.1%
CyA+MMF	Patients	2,047	1,924	1,640	1,303	1,121	954	710	502	411	318
	Steroids Avoided	36	64	66	45	111	123	112	117	115	61
	Rate	1.8%	3.3%	4.0%	3.5%	9.9%	12.9%	15.8%	23.3%	28.0%	19.2%
Tac+MMF	Patients	1,019	1,396	1,977	2,594	2,881	3,339	3,843	3,978	3,996	4,175
	Steroids Avoided	48	73	132	261	477	1,006	1,336	1,575	1,704	1,716
	Rate	4.7%	5.2%	6.7%	10.1%	16.6%	30.1%	34.8%	39.6%	42.6%	41.1%
CyA+Aza	Patients	270	186	145	51	20	14	5	6	8	3
	Steroids Avoided	7	3	2	0	1	1	1	1	7	2
	Rate	2.6%	1.6%	1.4%	0.0%	5.0%	7.1%	20.0%	16.7%	87.5%	66.7%
Tac+Aza	Patients	61	60	84	82	70	41	9	17	14	15
	Steroids Avoided	3	5	11	6	7	6	3	7	2	4
	Rate	4.9%	8.3%	13.1%	7.3%	10.0%	14.6%	33.3%	41.2%	14.3%	26.7%
CyA+Siro	Patients	60	260	170	142	168	129	148	135	90	89
	Steroids Avoided	0	1	5	30	60	81	103	112	67	62
	Rate	0.0%	0.4%	2.9%	21.1%	35.7%	62.8%	69.6%	83.0%	74.4%	69.7%
Tac+Siro	Patients	6	217	429	382	370	324	210	260	70	33
	Steroids Avoided	0	22	103	94	115	145	78	66	29	25
	Rate	0.0%	10.1%	24.0%	24.6%	31.1%	44.8%	37.1%	25.4%	41.4%	75.8%
Siro+MMF	Patients	1	45	109	152	154	109	132	85	52	61
	Steroids Avoided	0	12	8	6	22	26	20	16	10	14
	Rate	0.0%	26.7%	7.3%	3.9%	14.3%	23.9%	15.2%	18.8%	19.2%	23.0%
Other Regimen	Patients	256	268	291	335	429	453	333	311	319	272
	Steroids Avoided	18	48	83	97	148	131	99	71	84	109
	Rate	7.0%	17.9%	28.5%	29.0%	34.5%	28.9%	29.7%	22.8%	26.3%	40.1%

Source: OPTN/SRTR Data as of May 4, 2009.

Notes:

Includes patients receiving first transplants of any organ with a functioning graft at discharge and any immunosuppressive drug use recorded at discharge.

CyA: Cyclosporine; Tac: Tacrolimus; MMF: Include MMF(Mycophenolate Mofetil) and MPA(Mycophenolate Sodium); Aza: Azathioprine; Siro: Sirolimus.

Table 15.4b (Continued)
Steroid Withdrawal Rate at One Year Following Transplantation, 1999 to 2007
Recipients of Living Donor Kidneys

Discharge Regimen		Year of Transplant								
		1999	2000	2001	2002	2003	2004	2005	2006	2007
Total	Patients	3,446	3,894	4,390	4,379	4,112	3,741	3,458	3,185	2,806
	Steroids									
	Withdrawn	147	182	240	464	466	455	487	380	369
	Rate	4.3%	4.7%	5.5%	10.6%	11.3%	12.2%	14.1%	11.9%	13.2%
CyA	Patients	198	145	104	70	84	86	19	16	16
	Steroids									
	Withdrawn	5	6	4	3	3	2	1	1	1
	Rate	2.5%	4.1%	3.8%	4.3%	3.6%	2.3%	5.3%	6.3%	6.3%
Tac	Patients	97	141	158	134	117	123	78	74	80
	Steroids									
	Withdrawn	8	14	19	17	17	24	17	3	14
	Rate	8.2%	9.9%	12.0%	12.7%	14.5%	19.5%	21.8%	4.1%	17.5%
CyA+MMF	Patients	1,760	1,614	1,457	1,168	902	744	542	356	274
	Steroids									
	Withdrawn	67	46	36	70	35	43	36	24	28
	Rate	3.8%	2.9%	2.5%	6.0%	3.9%	5.8%	6.6%	6.7%	10.2%
Tac+MMF	Patients	849	1,163	1,740	2,160	2,229	2,198	2,342	2,238	2,102
	Steroids									
	Withdrawn	50	59	105	214	272	273	318	315	290
	Rate	5.9%	5.1%	6.0%	9.9%	12.2%	12.4%	13.6%	14.1%	13.8%
CyA+Aza	Patients	238	163	132	49	17	11	4	5	1
	Steroids									
	Withdrawn	6	4	0	3	0	1	0	0	0
	Rate	2.5%	2.5%	0.0%	6.1%	0.0%	9.1%	0.0%	0.0%	0.0%
Tac+Aza	Patients	56	50	67	74	62	34	6	8	12
	Steroids									
	Withdrawn	1	9	10	13	3	3	1	1	0
	Rate	1.8%	18.0%	14.9%	17.6%	4.8%	8.8%	16.7%	12.5%	0.0%
CyA+Siro	Patients	50	231	156	108	101	43	43	21	19
	Steroids									
	Withdrawn	3	13	6	37	31	1	5	1	1
	Rate	6.0%	5.6%	3.8%	34.3%	30.7%	2.3%	11.6%	4.8%	5.3%
Tac+Siro	Patients	4	172	300	277	237	164	120	184	36
	Steroids									
	Withdrawn	0	11	40	54	41	28	18	16	3

(Continued)

Source: OPTN/SRTR Data as of May 4, 2009.

Notes:

Includes patients receiving first transplants of any organ with steroid use at transplant discharge, and who have a functioning graft and maintenance drug use one year after transplantation.

Transplants prior to year 1999 are not reported due to insufficient reporting of immunosuppressive drug use.

CyA: Cyclosporine; Tac: Tacrolimus; MMF: Include MMF(Mycophenolate Mofetil) and MPA(Mycophenolate Sodium); Aza: Azathioprine; Siro: Sirolimus.

Table 15.4b (Continued)
Steroid Withdrawal Rate at One Year Following Transplantation, 1999 to 2007
Recipients of Living Donor Kidneys

Discharge Regimen		Year of Transplant								
		1999	2000	2001	2002	2003	2004	2005	2006	2007
Tac+Siro	Rate	0.0%	6.4%	13.3%	19.5%	17.3%	17.1%	15.0%	8.7%	8.3%
Siro+MMF	Patients	1	30	89	124	111	75	101	65	41
	Steroids Withdrawn	0	1	0	16	10	5	21	5	3
	Rate	0.0%	3.3%	0.0%	12.9%	9.0%	6.7%	20.8%	7.7%	7.3%
Other Regimen	Patients	193	185	187	215	252	263	203	218	225
	Steroids Withdrawn	7	19	20	37	54	75	70	14	29
	Rate	3.6%	10.3%	10.7%	17.2%	21.4%	28.5%	34.5%	6.4%	12.9%

Source: OPTN/SRTR Data as of May 4, 2009.

Notes:

Includes patients receiving first transplants of any organ with steroid use at transplant discharge, and who have a functioning graft and maintenance drug use one year after transplantation.

Transplants prior to year 1999 are not reported due to insufficient reporting of immunosuppressive drug use.

CyA: Cyclosporine; Tac: Tacrolimus; MMF: Include MMF(Mycophenolate Mofetil) and MPA(Mycophenolate Sodium); Aza: Azathioprine; Siro: Sirolimus.

Table 15.4b (Continued)
Steroid Withdrawal Rate at Two Years Following Transplantation, 1998 to 2006
Recipients of Living Donor Kidneys

Discharge Regimen		Year of Transplant							
		1999	2000	2001	2002	2003	2004	2005	2006
Total	Patients	3,256	3,860	4,089	4,103	3,892	3,549	2,625	2,259
	Steroids								
	Withdrawn	179	270	382	527	567	570	468	359
	Rate	5.5%	7.0%	9.3%	12.8%	14.6%	16.1%	17.8%	15.9%
CyA	Patients	197	141	93	63	75	77	14	12
	Steroids								
	Withdrawn	11	10	12	3	4	6	2	1
	Rate	5.6%	7.1%	12.9%	4.8%	5.3%	7.8%	14.3%	8.3%
Tac	Patients	92	143	150	124	116	116	57	54
	Steroids								
	Withdrawn	13	21	23	16	18	24	13	4
	Rate	14.1%	14.7%	15.3%	12.9%	15.5%	20.7%	22.8%	7.4%
CyA+MMF	Patients	1,662	1,638	1,355	1,080	824	713	360	180
	Steroids								
	Withdrawn	69	57	73	74	54	65	34	23
	Rate	4.2%	3.5%	5.4%	6.9%	6.6%	9.1%	9.4%	12.8%
Tac+MMF	Patients	793	1,126	1,613	2,044	2,122	2,051	1,785	1,600
	Steroids								
	Withdrawn	51	96	167	266	325	341	301	282
	Rate	6.4%	8.5%	10.4%	13.0%	15.3%	16.6%	16.9%	17.6%
CyA+Aza	Patients	219	163	126	44	19	10	4	5
	Steroids								
	Withdrawn	8	7	4	2	0	0	0	0
	Rate	3.7%	4.3%	3.2%	4.5%	0.0%	0.0%	0.0%	0.0%
Tac+Aza	Patients	50	51	65	72	62	34	5	7
	Steroids								
	Withdrawn	9	13	17	17	4	5	1	0
	Rate	18.0%	25.5%	26.2%	23.6%	6.5%	14.7%	20.0%	0.0%
CyA+Siro	Patients	47	227	149	101	99	40	38	18
	Steroids								
	Withdrawn	3	26	13	34	32	3	6	1
	Rate	6.4%	11.5%	8.7%	33.7%	32.3%	7.5%	15.8%	5.6%
Tac+Siro	Patients	4	159	278	258	223	156	106	171
	Steroids								
	Withdrawn	1	14	47	58	53	30	19	21

(Continued)

Source: OPTN/SRTR Data as of May 4, 2009.

Notes:

Includes patients receiving first transplants of any organ with steroid use at transplant discharge, and who have a functioning graft and maintenance drug use two years after transplantation.

Transplants prior to year 1998 are not reported due to insufficient reporting of immunosuppressive drug use.

CyA: Cyclosporine; Tac: Tacrolimus; MMF: Include MMF(Mycophenolate Mofetil) and MPA(Mycophenolate Sodium); Aza: Azathioprine; Siro: Sirolimus.

Table 15.4b (Continued)
Steroid Withdrawal Rate at Two Years Following Transplantation, 1998 to 2006
Recipients of Living Donor Kidneys

Discharge Regimen		Year of Transplant							
		1999	2000	2001	2002	2003	2004	2005	2006
Tac+Siro	Rate	25.0%	8.8%	16.9%	22.5%	23.8%	19.2%	17.9%	12.3%
Siro+MMF	Patients	1	29	89	115	105	73	80	55
	Steroids Withdrawn	0	1	2	23	20	12	25	10
	Rate	0.0%	3.4%	2.2%	20.0%	19.0%	16.4%	31.3%	18.2%
Other Regimen	Patients	191	183	171	202	247	279	176	157
	Steroids Withdrawn	14	25	24	34	57	84	67	17
	Rate	7.3%	13.7%	14.0%	16.8%	23.1%	30.1%	38.1%	10.8%

Source: OPTN/SRTR Data as of May 4, 2009.

Notes:

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