

Table 15.4a
Steroid Avoidance Rate at Discharge, 1999 to 2008
Recipients of Deceased Donor Kidneys

Discharge Regimen		Year of Transplant									
		1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	Patients	6,486	6,403	6,712	6,973	7,129	7,600	8,077	8,690	8,759	8,809
	Steroids Avoided	166	256	341	513	979	1,521	2,106	2,724	2,824	2,853
	Rate	2.6%	4.0%	5.1%	7.4%	13.7%	20.0%	26.1%	31.3%	32.2%	32.4%
CyA	Patients	351	214	104	91	105	114	51	39	35	13
	Steroids Avoided	16	4	2	2	11	12	10	11	8	1
	Rate	4.6%	1.9%	1.9%	2.2%	10.5%	10.5%	19.6%	28.2%	22.9%	7.7%
Tac	Patients	197	234	341	394	221	277	358	289	272	271
	Steroids Avoided	11	34	78	154	65	90	133	156	97	118
	Rate	5.6%	14.5%	22.9%	39.1%	29.4%	32.5%	37.2%	54.0%	35.7%	43.5%
CyA+MMF	Patients	3,164	2,522	1,970	1,773	1,517	1,281	903	786	636	427
	Steroids Avoided	31	45	44	43	97	117	77	169	158	59
	Rate	1.0%	1.8%	2.2%	2.4%	6.4%	9.1%	8.5%	21.5%	24.8%	13.8%
Tac+MMF	Patients	1,642	1,994	2,624	3,335	3,744	4,608	5,662	6,471	7,088	7,404
	Steroids Avoided	35	53	75	125	400	909	1,558	2,092	2,340	2,477
	Rate	2.1%	2.7%	2.9%	3.7%	10.7%	19.7%	27.5%	32.3%	33.0%	33.5%
CyA+Aza	Patients	366	233	123	56	32	14	9	7	10	7
	Steroids Avoided	0	1	1	1	2	0	1	0	1	1
	Rate	0.0%	0.4%	0.8%	1.8%	6.3%	0.0%	11.1%	0.0%	10.0%	14.3%
Tac+Aza	Patients	79	54	84	60	48	26	24	27	17	24
	Steroids Avoided	1	1	1	1	1	1	11	9	7	4
	Rate	1.3%	1.9%	1.2%	1.7%	2.1%	3.8%	45.8%	33.3%	41.2%	16.7%
CyA+Siro	Patients	120	303	294	186	221	211	164	124	124	138
	Steroids Avoided	4	2	11	9	55	93	72	41	60	53
	Rate	3.3%	0.7%	3.7%	4.8%	24.9%	44.1%	43.9%	33.1%	48.4%	38.4%
Tac+Siro	Patients	11	302	452	339	440	331	214	264	114	63
	Steroids Avoided	0	30	55	73	117	111	76	66	45	17
	Rate	0.0%	9.9%	12.2%	21.5%	26.6%	33.5%	35.5%	25.0%	39.5%	27.0%
Siro+MMF	Patients	9	85	257	272	211	207	171	156	79	67
	Steroids Avoided	0	5	15	19	35	51	38	60	16	18
	Rate	0.0%	5.9%	5.8%	7.0%	16.6%	24.6%	22.2%	38.5%	20.3%	26.9%
Other Regimen	Patients	547	462	463	467	590	531	521	527	384	395
	Steroids Avoided	68	81	59	86	196	137	130	120	92	105
	Rate	12.4%	17.5%	12.7%	18.4%	33.2%	25.8%	25.0%	22.8%	24.0%	26.6%

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

Discharge Regimen		Year of Transplant								
		1999	2000	2001	2002	2003	2004	2005	2006	2007
Total	Patients	5,364	5,198	5,684	5,744	5,463	5,446	5,359	5,298	5,265
	Steroids									
	Withdrawn	206	244	263	438	431	499	693	560	616
	Rate	3.8%	4.7%	4.6%	7.6%	7.9%	9.2%	12.9%	10.6%	11.7%
CyA	Patients	283	180	83	80	87	91	32	24	23
	Steroids									
	Withdrawn	14	20	2	7	6	2	1	1	1
	Rate	4.9%	11.1%	2.4%	8.8%	6.9%	2.2%	3.1%	4.2%	4.3%
Tac	Patients	149	159	232	213	129	168	195	115	146
	Steroids									
	Withdrawn	11	14	30	31	21	44	43	9	12
	Rate	7.4%	8.8%	12.9%	14.6%	16.3%	26.2%	22.1%	7.8%	8.2%
CyA+MMF	Patients	2,674	2,053	1,714	1,536	1,238	1,008	729	538	412
	Steroids									
	Withdrawn	68	51	36	54	72	65	45	25	37
	Rate	2.5%	2.5%	2.1%	3.5%	5.8%	6.4%	6.2%	4.6%	9.0%
Tac+MMF	Patients	1,374	1,668	2,334	2,863	3,025	3,371	3,734	3,904	4,239
	Steroids									
	Withdrawn	73	91	112	225	223	311	478	468	508
	Rate	5.3%	5.5%	4.8%	7.9%	7.4%	9.2%	12.8%	12.0%	12.0%
CyA+Aza	Patients	311	205	106	51	27	14	7	7	9
	Steroids									
	Withdrawn	9	4	2	2	1	0	0	0	0
	Rate	2.9%	2.0%	1.9%	3.9%	3.7%	0.0%	0.0%	0.0%	0.0%
Tac+Aza	Patients	67	49	78	56	42	23	12	16	10
	Steroids									
	Withdrawn	5	11	7	11	3	1	1	1	0
	Rate	7.5%	22.4%	9.0%	19.6%	7.1%	4.3%	8.3%	6.3%	0.0%
CyA+Siro	Patients	91	270	251	157	150	108	83	74	56
	Steroids									
	Withdrawn	5	7	5	11	8	4	12	1	4
	Rate	5.5%	2.6%	2.0%	7.0%	5.3%	3.7%	14.5%	1.4%	7.1%
Tac+Siro	Patients	9	236	350	233	285	195	122	180	63
	Steroids									
	Withdrawn	0	15	32	32	23	5	15	13	2

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

Discharge Regimen		Year of Transplant								
		1999	2000	2001	2002	2003	2004	2005	2006	2007
Tac+Siro	Rate	0.0%	6.4%	9.1%	13.7%	8.1%	2.6%	12.3%	7.2%	3.2%
Siro+MMF	Patients	8	68	188	213	154	133	111	86	52
	Steroids	0	2	7	9	18	14	8	6	7
	Withdrawn Rate	0.0%	2.9%	3.7%	4.2%	11.7%	10.5%	7.2%	7.0%	13.5%
Other Regimen	Patients	398	310	348	342	326	335	334	354	255
	Steroids	21	29	30	56	56	53	90	36	45
	Withdrawn Rate	5.3%	9.4%	8.6%	16.4%	17.2%	15.8%	26.9%	10.2%	17.6%

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

Discharge Regimen		Year of Transplant							
		1999	2000	2001	2002	2003	2004	2005	2006
Total	Patients	4,901	4,994	5,192	5,302	5,035	4,971	3,957	3,581
	Steroids								
	Withdrawn	271	279	427	511	540	634	628	465
	Rate	5.5%	5.6%	8.2%	9.6%	10.7%	12.8%	15.9%	13.0%
CyA	Patients	269	170	77	71	77	80	23	19
	Steroids								
	Withdrawn	11	4	8	12	9	3	1	1
	Rate	4.1%	2.4%	10.4%	16.9%	11.7%	3.8%	4.3%	5.3%
Tac	Patients	136	157	207	195	117	159	139	80
	Steroids								
	Withdrawn	14	20	34	33	24	49	36	8
	Rate	10.3%	12.7%	16.4%	16.9%	20.5%	30.8%	25.9%	10.0%
CyA+MMF	Patients	2,431	2,031	1,573	1,388	1,097	934	502	332
	Steroids								
	Withdrawn	81	57	55	61	90	77	32	18
	Rate	3.3%	2.8%	3.5%	4.4%	8.2%	8.2%	6.4%	5.4%
Tac+MMF	Patients	1,266	1,565	2,128	2,686	2,833	3,069	2,762	2,590
	Steroids								
	Withdrawn	103	124	207	262	283	403	442	371
	Rate	8.1%	7.9%	9.7%	9.8%	10.0%	13.1%	16.0%	14.3%
CyA+Aza	Patients	286	198	100	44	23	13	6	6
	Steroids								
	Withdrawn	19	6	4	1	1	0	0	0
	Rate	6.6%	3.0%	4.0%	2.3%	4.3%	0.0%	0.0%	0.0%
Tac+Aza	Patients	59	46	73	51	39	23	8	16
	Steroids								
	Withdrawn	12	14	9	14	7	1	0	1
	Rate	20.3%	30.4%	12.3%	27.5%	17.9%	4.3%	0.0%	6.3%
CyA+Siro	Patients	73	248	234	146	139	89	67	64
	Steroids								
	Withdrawn	3	9	16	15	11	8	10	1
	Rate	4.1%	3.6%	6.8%	10.3%	7.9%	9.0%	14.9%	1.6%
Tac+Siro	Patients	8	214	310	209	262	172	97	159
	Steroids								
	Withdrawn	0	15	46	37	38	11	12	11

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

Discharge Regimen		Year of Transplant							
		1999	2000	2001	2002	2003	2004	2005	2006
Tac+Siro	Rate	0.0%	7.0%	14.8%	17.7%	14.5%	6.4%	12.4%	6.9%
Siro+MMF	Patients	8	62	173	192	148	119	83	74
	Steroids	0	2	10	18	24	21	12	15
	Withdrawn Rate	0.0%	3.2%	5.8%	9.4%	16.2%	17.6%	14.5%	20.3%
Other Regimen	Patients	365	303	317	320	300	313	270	241
	Steroids	28	28	38	58	53	61	83	39
	Withdrawn Rate	7.7%	9.2%	12.0%	18.1%	17.7%	19.5%	30.7%	16.2%

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

Notes:

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