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Annual Report 2004 Thailand Kidney Transplantation Registry

Subcommittee for KT Registry
Thailand Transplantation Society

Method of Data Collection

- Update Institution Information (Form 1)
 - Institution profiles
 - Human resources
 - Prevalence, incidence
 - Perioperative days
 - Perioperative expenses
 - Varieties in immunosuppressive regimens
- Update Patient Information
(Donors and Recipients)



Institution Profiles

(Active Centers)

Location / Owner	Number of Centers	Percentage of all
Total	24	100
BKK / Gov	8	33.3
BKK / Private	9	37.5
North-Eastern/Gov	2	8.3
Northern / Gov	2	8.3
Southern / Gov	1	4.2
Eastern / Gov	2	8.3



KT Human Resource 2004

	Total	Average (24 Centers)
Transplant Surgeons	81	3.4
Nephrologists	87	3.6
Pediatric Nephrologists	21	0.9
Coordinators	68	2.8
<i>MD</i>	<i>20</i>	<i>0.8</i>
<i>Nurses and others</i>	<i>48</i>	<i>2</i>
Psychiatrists	25	1
Pathologists	17	0.7
Social workers	16	0.7
Tissue typists	15	0.6



Total Number of KT Operations in Thailand at June 30, 2004

Reported from Current 24 Active Centers

Type of Donor	Total	Government		Private	
		n	%	n	%
Total	2944	2507	85.2	437	14.8
<i>DDKT</i>	<i>1542</i>	<i>1407</i>	<i>91.2</i>	<i>135</i>	<i>8.8</i>
<i>LRKT</i>	<i>1402</i>	<i>1100</i>	<i>78.5</i>	<i>302</i>	<i>21.5</i>
% DDKT Of total	52.4	56.1		30.9	



KT Operation in Thailand

Upto 2004 Classified by Locations / Owners

Location / Owner	DDKT		LRKT	
	n	%	n	%
Total	1542	100	1402	100
BKK / Gov	1251	81.1	775	55.3
BKK / Private	135	8.8	302	21.5
North-Eastern/Gov	124	8.0	71	5.1
Northern / Gov	32	2.1	208	14.8
Southern / Gov	0	0	17	1.2
Eastern / Gov	0	0	29	2.1

Trend in Expansion of KT in Thailand

June 30th to June 30th

	2002	2003	2004
–CDKT	166	199	122 (pMp1.9)
–LRKT	79	161	142 (pMp 2.2)
Total	247	360	264 (pMp 4.1)





Prevalence of KT 2003

(Alive with functioning graft at Dec 31st, 2003)

Type of Donor	Total	Government		Private	
		n	%	n	%
DDKT	1043	930	89.2	113	10.8
LRKT	1091	894	81.94	197	18.06
Total	2134	1824	85.5	310	14.5

% DDKT 48.9

50.99

36.5

Of KT patients

NB: DDKT from abroad = 39 patients
(Mostly from china and 21 patients were FU in private hospitals)



KT Incidence

(Newly KT Operation in 2003)

Type of Donor	Total	Government		Private	
		n	%	n	%
DDKT	176	154	85.4	22	14.6
LRKT	199	166	73.8	33	26.2
Total	375	320	79.7	55	20.3

% DDKT

Of total 46.9

48.1

40

KT patients



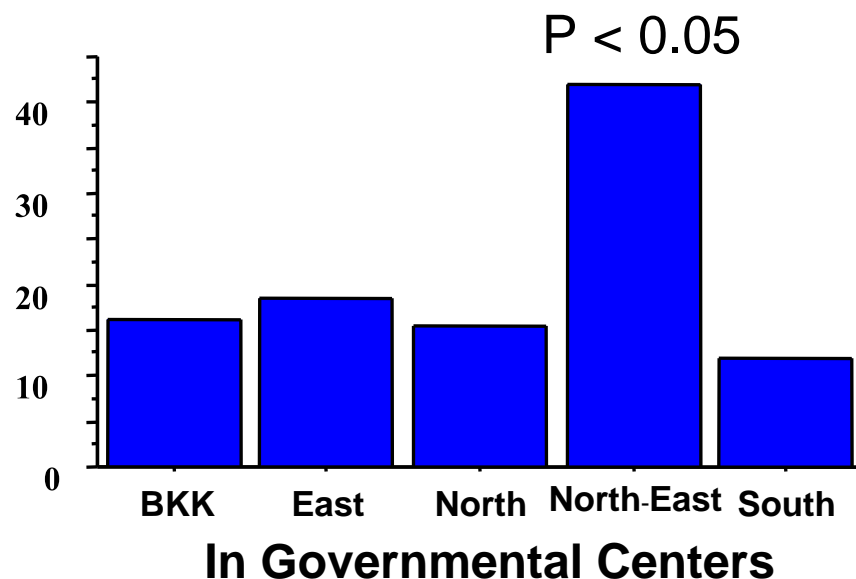
KT Incidence 2003 by Locations / Owners

Location / Owner	DDKT		LRKT	
	n	%	n	%
Total	176	100	199	100
BKK / Gov	119	67.6	116	58.3
BKK / Private	22	12.5	33	16.6
North-Eastern/Gov	29	16.5	14	7.0
Northern / Gov	6	3.4	24	12.1
Southern / Gov	0	0	3	1.5
Eastern / Gov	0	0	9	4.5

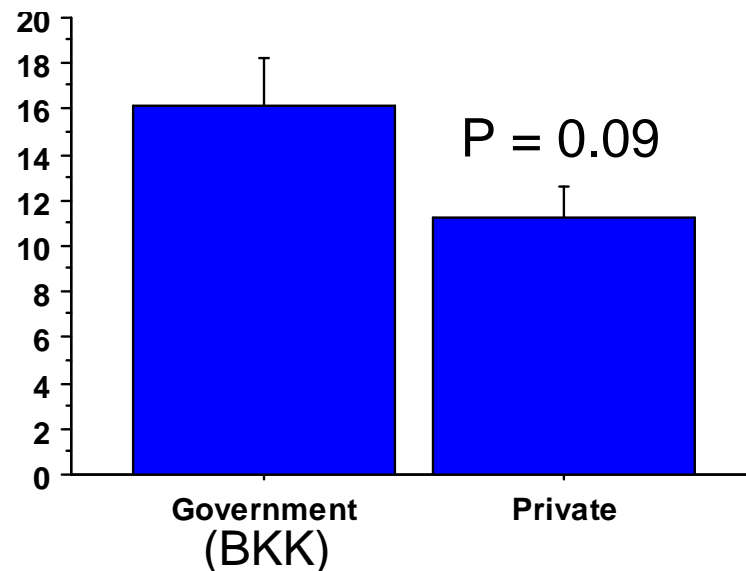


Perioperative Days in KT Centers

Days



Days



Total
BKK, Government
BKK, Private
East, Government
North, Government
North-East, Government
South, Government

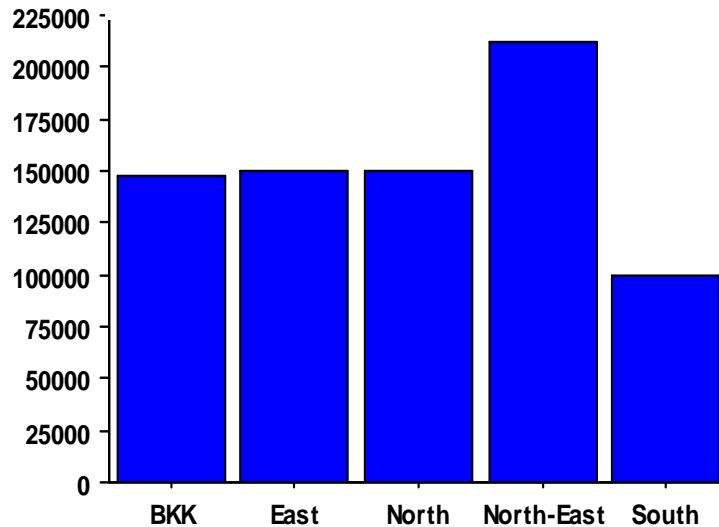
Mean	Std. Dev.	Std. Error	Count	Minimum	Maximum
15.6	8.0	1.8	20	6.0	42.0
16.1	6.2	2.2	8	10.0	30.0
11.3	3.5	1.3	7	6.0	17.0
18.6	.	.	1	18.6	18.6
15.5	4.9	3.5	2	12.0	19.0
42.0	.	.	1	42.0	42.0
12.0	.	.	1	12.0	12.0



Perioperative Expenses in KT Centers

Governmental Centers

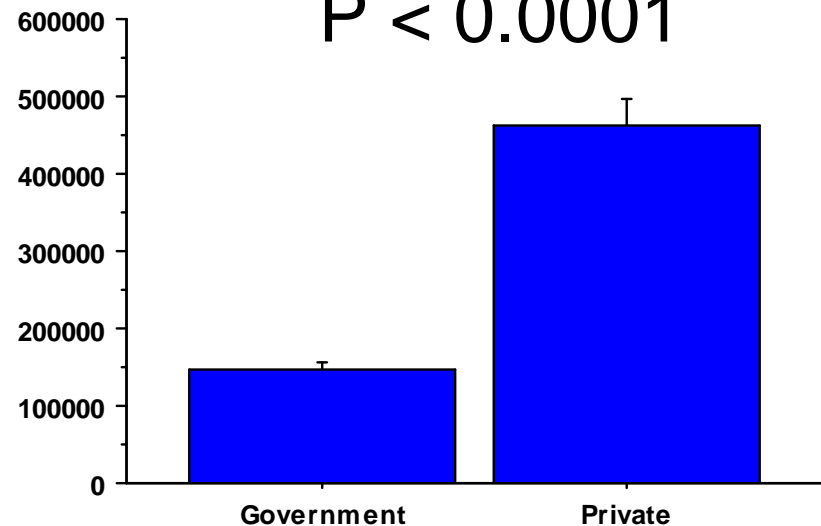
$P < 0.05$



	Count	Mean
BKK	7	147871
East	1	150000
North	2	150000
North-East	1	212535
South	1	100000

Government vs Private Centers

$P < 0.0001$





Current Standard Immunosuppressive Regimens in Uncomplicated KT

	Total Count	Total Percent	Government Count	Government Percent	Private Count	Private Percent
CyA+pred	3	13.6	3	20.0	0	0.0
CyA+pred+AZA	3	13.6	3	20.0	0	0.0
CyA+pred+MMF	6	27.3	3	20.0	3	42.9
CyA/prograf+pred	2	9.1	1	6.7	1	14.3
CyA/prograf+pred+AZA	2	9.1	2	13.3	0	0.0
CyA/prograf+pred+AZA/MMF	3	13.6	2	13.3	1	14.3
CyA/prograf+pred+AZA/myfortic	1	4.5	0	0.0	1	14.3
Prograf+pred+AZA	1	4.5	1	6.7	0	0.0
Prograf+pred+MMF	1	4.5	0	0.0	1	14.3
Total	22	100.0	15	100.0	7	100.0



Current Standard Immunosuppressive Regimens in complicated KT

	Total Count	Total Percent	Government Count	Government Percent	Private Count	Private Percent
CyA+pred+AZA/MMF	1	5.0	1	7.7	0	0.0
CyA+pred+MMF	6	30.0	4	30.8	2	28.6
CyA/prograf+pred+MMF	5	25.0	3	23.1	2	28.6
Prograf+pred+MMF	6	30.0	4	30.8	2	28.6
Prograf+pred+Myfortic	1	5.0	0	0.0	1	14.3
Prograf/rapamycin+pred+MMF	1	5.0	1	7.7	0	0.0
Total	20	100.0	13	100.0	7	100.0



Update KT Operation in Thailand

Running	Institutes	Institute status	Location	CDKT to 2004	LRKT to 2004	Total to 2004	CDKT 2003	LRKT2003	Total in 2003
1	Ramathibodi	Government	BKK	427	443	870	46	46	92
2	Siriraj	Government	BKK	338	150	488	19	30	49
3	Chulalongkorn University	Government	BKK	207	82	289	26	11	37
4	Praram 9	Private	BKK	46	181	227	6	15	21
5	Chiangmai University	Government	North	32	172	204	6	14	20
6	Khonkaen University	Government	North-East	124	63	187	29	13	42
7	PhraMongkutklao	Government	BKK	118	12	130	4	1	5
8	Police	Government	BKK	62	18	80	11	6	17
9	Bumrungrat	Private	BKK	35	34	69	11	6	17
10	Rajvithi	Government	BKK	41	22	63	8	8	16
11	Phyathai 1	Private	BKK	20	41	61	4	3	7
12	Vajira	Government	BKK	25	32	57	5	9	14
13	Bhumipol	Government	BKK	33	16	49	0	5	5
14	Puthachinnarat Pitsanulok	Government	North	0	36	36	0	10	10
15	Samitivej Sukhumvit	Private	BKK	21	10	31	0	0	0
16	Cholburi	Government	East	0	28	28	0	9	9
17	Bangkok Hospital	Private	BKK	8	15	23	1	7	8
18	Songklanakarinn	Government	South	0	17	17	0	3	3
19	Thainakarinn	Private	BKK	1	11	12	0	0	0
20	Sappasit Ubol	Government	North-East	0	8	8	0	1	1
21	Phayathai 2	Private	BKK	3	4	7	0	0	0
22	Samitivej	Private	BKK	0	6	6	0	2	2
23	Phyathai 3	Private	BKK	1	0	1	0	0	0
24	Rayong	Government	East	0	1	1	0	0	0



Summary

National Statistics for KT for 2003

• Active centers	24			
	Total KT	DDKT	LRKT	
• Point prevalence	33.34	16.3	17.04	
• Incidence	5.86	2.75	3.11	
per M pop.....			

Conclusion

- Good amount of human resources
- Severe donor shortage condition
- Contraction of KT operations in the last year, but will it be temporary ?
- More popularity of prograf, MMF/myfortic, SRL

Acknowledgement

- All KT Centers in Thailand

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