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Appendices

Appendix I**Apportionment coefficient of each cost center**

Cost Apportioned from	Receiving Cost Center	Apportionment Coefficient
Secretariat	Secretariat	$9/549=0.016393$ (a0101)
	Administration	$14/549=0.025501$ (a0102)
	Building & Transport	$7/549=0.01275$ (a0103)
	Finance	$11/549=0.020036$ (a0104)
	Logistic	$6/549=0.010929$ (a0105)
	Policy & Planing	$2/549=0.003643$ (a0106)
	Academic & Research	$1/549=0.001821$ (a0107)
	Library	$11/549=0.020036$ (a0108)
	Education Service	$31/549=0.056466$ (a0109)
	Computer unit	0 (a0110)
	King CU Hospital	0 (a0111)
	Research center	0 (a0112)
	Anatomy	$23/549=0.041894$ (a0113)
	Microbiology	$38/549=0.069217$ (a0114)
	Biochemistry	$14/549=0.025501$ (a0115)
	Parasitology	$20/549=0.03643$ (a0116)
	Pathology	$31/549=0.056466$ (a0117)
	Pharmacology	$13/549=0.023679$ (a0118)
	Physiology	$14/549=0.025501$ (a0119)
	Laboratory Medicine	$11/549=0.020036$ (a0120)
	Preventive and Social Medicine	$17/549=0.030965$ (a0121)
	Forensic Medicine	$19/549=0.034608$ (a0122)
	Psychiatry	$19/549=0.034608$ (a0123)
	Surgery	$50/549=0.091075$ (a0124)
	Medicine	$55/549=0.100182$ (a0125)
	Radiology	$36/549=0.065574$ (a0126)
	Anesthesiology	$21/549=0.038251$ (a0127)
	Paediatrics	$49/549=0.089253$ (a0128)
	Ophthalmology	$19/549=0.034608$ (a0129)
	Obstetrics and Gynecology	$50/549=0.091075$ (a0130)
	Otolaryngology	$15/549=0.027322$ (a0131)
	Orthopaedic Surgery	$19/549=0.034608$ (a0132)
	Rehabilitation Medicine	$16/549=0.029144$ (a0133)

Apportionment coefficient of each cost center(continued)

Cost Apportioned from	Receiving Cost Center	Apportionment Coefficient
Administration	Secretariat	9/549=0.016393 (a0201)
	Administration	14/549=0.025501 (a0202)
	Building & Transport	7/549=0.01275 (a0203)
	Finance	11/549=0.020036 (a0204)
	Logistic	6/549=0.010929 (a0205)
	Policy & Planning	2/549=0.003643 (a0206)
	Academic & Research	1/549=0.001821 (a0207)
	Library	11/549=0.020036 (a0208)
	Education Service	31/549=0.056466 (a0209)
	Computer unit	0 (a0210)
	King CU Hospital	0 (a0211)
	Research center	0 (a0212)
	Anatomy	23/549=0.041894 (a0213)
	Microbiology	38/549=0.069217 (a0214)
	Biochemistry	14/549=0.025501 (a0215)
	Parasitology	20/549=0.03643 (a0216)
	Pathology	31/549=0.056466 (a0217)
	Pharmacology	13/549=0.023679 (a0218)
	Physiology	14/549=0.025501 (a0219)
	Laboratory Medicine	11/549=0.020036 (a0220)
	Preventive and Social Medicine	17/549=0.030965 (a0221)
	Forensic Medicine	19/549=0.034608 (a0222)
	Psychiatry	19/549=0.034608 (a0223)
	Surgery	50/549=0.091075 (a0224)
	Medicine	55/549=0.100182 (a0225)
	Radiology	36/549=0.065574 (a0226)
	Anesthesiology	21/549=0.038251 (a0227)
	Paediatrics	49/549=0.089253 (a0228)
	Ophthalmology	19/549=0.034608 (a0229)
	Obstetrics and Gynecology	50/549=0.091075 (a0230)
	Otolaryngology	15/549=0.027322 (a0231)
	Orthopaedic Surgery	19/549=0.034608 (a0232)
	Rehabilitation Medicine	16/549=0.029144 (a0233)

Apportionment coefficient of each cost center(continued)

Cost Apportioned from	Receiving Cost Center	Apportionment Coefficient
Building & Transport	Secretariat	185/49,951=0.003704 (a0301)
	Administration	185/49,951=0.003704 (a0302)
	Building & Transport	185/49,951 =0.003704 (a0303)
	Finance	185/49,951=0.003704 (a0304)
	Logistic	185/49,951=0.003704 (a0305)
	Policy & Planing	185/49,951=0.003704 (a0306)
	Academic & Research	185/49,951=0.003704 (a0307)
	Library	2342/49,951=0.046886 (a0308)
	Education Service	185/49,951=0.003704 (a0309)
	Computer unit	370/49,951=0.007407 (a0310)
	King CU Hospital	0 (a0311)
	Research center	185/49,951=0.003704 (a0312)
	Anatomy	3800/49,951=0.076075 (a0313)
	Microbiology	2220/49,951=0.044444 (a0314)
	Biochemistry	2452/49,951=0.049088 (a0315)
	Parasitology	740/49,951=0.014815 (a0316)
	Pathology	4262/49,951=0.085324 (a0317)
	Pharmacology	2452/49,951=0.049088 (a0318)
	Physiology	2452/49,951=0.049088 (a0319)
	Laboratory Medicine	0 (a0320)
	Preventive and Social Medicine	1624/49,951=0.032512 (a0321)
	Forensic Medicine	1880/49,951=0.037637 (a0322)
	Psychiatry	464/49,951=0.009289 (a0323)
	Surgery	2017/49,951 =0.04038 (a0324)
	Medicine	2000/49,951=0.040039 (a0325)
	Radiology	1000/49,951 =0.02002 (a0326)
	Anesthesiology	1000/49,951 =0.02002 (a0327)
	Paediatrics	7407/49,951=0.148285 (a0328)
	Ophthalmology	481/49,951=0.009629 (a0329)
	Obstetrics and Gynecology	7000/49,951=0.140137 (a0330)
	Otolaryngology	481/49,951=0.009629 (a0331)
	Orthopaedic Surgery	1000/49,951 =0.02002 (a0332)
	Rehabilitation Medicine	842/49,951 =0.016857 (a0333)

Apportionment coefficient of each cost center(continued)

Cost Apportioned from	Receiving Cost Center	Apportionment Coefficient
Finance	Secretariat	9/549=0.016393 (a0401)
	Administration	14/549=0.025501 (a0402)
	Building & Transport	7/549=0.01275 (a0403)
	Finance	11/549=0.020036 (a0404)
	Logistic	6/549=0.010929 (a0405)
	Policy & Planing	2/549=0.003643 (a0406)
	Academic & Research	1/549=0.001821 (a0407)
	Library	11/549=0.020036 (a0408)
	Education Service	31/549=0.056466 (a0409)
	Computer unit	0 (a0410)
	King CU Hospital	0 (a0411)
	Research center	0 (a0412)
	Anatomy	23/549=0.041894 (a0413)
	Microbiology	38/549=0.069217 (a0414)
	Biochemistry	14/549=0.025501 (a0415)
	Parasitology	20/549=0.03643 (a0416)
	Pathology	31/549=0.056466 (a0417)
	Pharmacology	13/549=0.023679 (a0418)
	Physiology	14/549=0.025501 (a0419)
	Laboratory Medicine	11/549=0.020036 (s0420)
	Preventive and Social Medicine	17/549=0.030965 (a0421)
	Forensic Medicine	19/549=0.034608 (a0422)
	Psychiatry	19/549=0.03608 (a0423)
	Surgery	50/549=0.091075 (a0424)
	Medicine	55/549=0.100182 (a0425)
	Radiology	36/549=0.065574 (a0426)
	Anesthesiology	21/549=0.038251 (a0427)
	Paediatrics	49/549=0.089253 (a0428)
	Ophthalmology	19/549=0.034608 (a0429)
	Obstetrics and Gynecology	50/549=0.091075 (a0430)
	Otolaryngology	15/549=0.027322 (a0431)
	Orthopaedic Surgery	19/549=0.034608 (a0432)
	Rehabilitation Medicine	16/549=0.029144 (a0433)

Apportionment coefficient of each cost center(continued)

Cost Apportioned from	Receiving Cost Center	Apportionment Coefficient
Logistic	Secretariat	0 (a0501)
	Administration	0 (a0502)
	Building & Transport	0 (a0503)
	Finance	0 (a0504)
	Logistic	0 (a0506)
	Policy & Planning	0 (a0507)
	Academic & Research	0 (a0508)
	Library	0 (a0509)
	Education Service	0 (a0510)
	computer unit	0 (a0511)
	King CU Hospital	0 (a0512)
	Research center	0 (a0513)
	Anatomy	$537,870.00/9,597,599 = 0.056042$ (a0514)
	Microbiology	$1,050,845.00/9,597,59 = 0.10949$ (a0515)
	Biochemistry	$107,045.00 /9,597,59=0.011153$ (a0516)
	Parasitology	$194,920.00 /9,597,59=0.020309$ (a0517)
	Pathology	$1,854,411.00 /9,597,59=0.193216$ (a0518)
	Pharmacology	$129,435.00 /9,597,59=0.013486$ (a0519)
	Physiology	$161,715.00 /9,597,59=0.01685$ (a0520)
	Laboratory Medicine	$151,705.00 /9,597,59=0.015807$ (a0521)
	Preventive and Social Medicine	$127,941.00 /9,597,59=0.013331$ (a0522)
	Forensic Medicine	$462,692.00 /9,597,59=0.048209$ (a0523)
	Psychiatry	$64,897.00 /9,597,59=0.006762$ (a0524)
	Surgery	$238,318.00 /9,597,59=0.024831$ (a0525)
	Medicine	$2,145,111.00 /9,597,59=0.223505$ (a0526)
	Radiology	$390,046.00 /9,597,59=0.04064$ (a0527)
	Anesthesiology	$41,653.00 /9,597,59=0.00434$ (a0528)
	Paediatrics	$471,671.00 /9,597,59=0.049145$ (a0529)
	Ophthalmology	$97,057.00 /9,597,59=0.010113$ (a0530)
	Obstetrics and Gynecology	$1,196,990.00 /9,597,59=0.124718$ (a0531)
	Otolaryngology	$50,848.00 /9,597,59=0.005298$ (a0532)
	Orthopaedic Surgery	$70,724.00 /9,597,59=0.007369$ (a0533)
Rehabilitation Medicine	$51,705.00 /9,597,59=0.005387$ (a0534)	

Apportionment coefficient of each cost center(continued)

Cost Apportioned from	Receiving Cost Center	Apportionment Coefficient
Policy & Planing	Secretariat	$9/549=0.016393$ (a0601)
	Administration	$14/549=0.025501$ (a0602)
	Building & Transport	$7/549=0.01275$ (a0603)
	Finance	$11/549=0.020036$ (a0604)
	Logistic	$6/549=0.010929$ (a0605)
	Policy & Planing	$2/549=0.003643$ (a0606)
	Academic & Research	$1/549=0.001821$ (a0607)
	Library	$11/549=0.020036$ (a0608)
	Education Service	$31/549=0.056466$ (a0609)
	Computer unit	0 (a0610)
	King CU Hospital	0 (a0611)
	Research center	0 (a0612)
	Anatomy	$23/549=0.041894$ (a0613)
	Microbiology	$38/549=0.069217$ (a0614)
	Biochemistry	$14/549=0.025501$ (a0615)
	Parasitology	$20/549=0.03643$ (a0616)
	Pathology	$31/549=0.056466$ (a0617)
	Pharmacology	$13/549=0.023679$ (a0618)
	Physiology	$14/549=0.025501$ (a0619)
	Laboratory Medicine	$11/549=0.020036$ (s0620)
	Preventive and Social Medicine	$17/549=0.030965$ (a0621)
	Forensic Medicine	$19/549=0.034608$ (a0622)
	Psychiatry	$19/549=0.03608$ (a0623)
	Surgery	$50/549=0.091075$ (a0624)
	Medicine	$55/549=0.100182$ (a0625)
	Radiology	$36/549=0.065574$ (a0626)
	Anesthesiology	$21/549=.038251$ (a0627)
	Paediatrics	$49/549=0.089253$ (a0628)
	Ophthalmology	$19/549=0.034608$ (a0629)
	Obstetrics and Gynecology	$50/549=0.091075$ (a0630)
	Otolaryngology	$15/549=0.027322$ (a0631)
	Orthopaedic Surgery Rehabilitation	$19/549=0.034608$ (a0632)
	Medicine	$16/549=0.029144$ (a0633)

Apportionment coefficient of each cost center(continued)

Cost Apportioned from	Receiving Cost Center	Apportionment Coefficient
Academic & Research	Secretariat	9/549=0.016393 (a0701)
	Administration	14/549=0.025501 (a0702)
	Building & Transport	7/549=0.01275 (a0703)
	Finance	11/549=0.020036 (a0704)
	Logistic	6/549=0.010929 (a0705)
	Policy & Planing	2/549=0.003643 (a0706)
	Academic & Research	1/549=0.001821 (a0707)
	Library	11/549=0.020036 (a0708)
	Education Service	31/549=0.056466 (a0709)
	Computer unit	0 (a0710)
	King CU Hospital	0 (a0711)
	Research center	0 (a0712)
	Anatomy	23/549=0.041894 (a0713)
	Microbiology	38/549=0.069217 (a0714)
	Biochemistry	14/549=0.025501 (a0715)
	Parasitology	20/549=0.03643 (a0716)
	Pathology	31/549=0.056466 (a0717)
	Pharmacology	13/549=0.023679 (a0718)
	Physiology	14/549=0.025501 (a0719)
	Laboratory Medicine	11/549=0.020036 (s0720)
	Preventive and Social Medicine	17/549=0.030965 (a0721)
	Forensic Medicine	19/549=0.034608 (a0722)
	Psychiatry	19/549=0.03608 (a0723)
	Surgery	50/549=0.091075 (a0724)
	Medicine	55/549=0.100182 (a0725)
	Radiology	36/549=0.065574 (a0726)
	Anesthesiology	21/549=.038251 (a0727)
	Paediatrics	49/549=0.089253 (a0728)
	Ophthalmology	19/549=0.034608 (a0729)
	Obstetrics and Gynecology	50/549=0.091075 (a0730)
	Otolaryngology	15/549=0.027322 (a0731)
	Orthopaedic Surgery Rehabilitation Medicine	19/549=0.034608 (a0732)
		16/549=0.029144 (a0733)

Apportionment coefficient of each cost center(continued)

Cost Apportioned from	Receiving Cost Center	Apportionment Coefficient
Library	Secretariat	9/549=0.016393 (a0801)
	Administration	14/549=0.025501 (a0802)
	Building & Transport	7/549=0.01275 (a0803)
	Finance	11/549=0.020036 (a0804)
	Logistic	6/549=0.010929 (a0805)
	Policy & Planing	2/549=0.003643 (a0806)
	Academic & Research	1/549=0.001821 (a0807)
	Library	11/549=0.020036 (a0808)
	Education Service	31/549=0.056466 (a0809)
	Computer unit	0 (a0810)
	King CU Hospital	0 (a0811)
	Research center	0 (a0812)
	Anatomy	23/549=0.041894 (a0813)
	Microbiology	38/549=0.069217 (a0814)
	Biochemistry	14/549=0.025501 (a0815)
	Parasitology	20/549=0.03643 (a0816)
	Pathology	31/549=0.056466 (a0817)
	Pharmacology	13/549=0.023679 (a0818)
	Physiology	14/549=0.025501 (a0819)
	Laboratory Medicine	11/549=0.020036 (s0820)
	Preventive and Social Medicine	17/549=0.030965 (z0821)
	Forensic Medicine	19/549=0.034608 (a0822)
	Psychiatry	19/549=0.03608 (a0823)
	Surgery	50/549=0.091075 (a0824)
	Medicine	55/549=0.100182 (a0825)
	Radiology	36/549=0.065574 (a0826)
	Anesthesiology	21/549=.038251 (a0827)
	Paediatrics	49/549=0.089253 (a0828)
	Ophthalmology	19/549=0.034608 (a0829)
	Obstetrics and Gynecology	50/549=0.091075 (a0830)
	Otolaryngology	15/549=0.027322 (a0831)
	Orthopaedic Surgery Rehabilitation	19/549=0.034608 (a0832)
	Medicine	16/549=0.029144 (a0833)

Apportionment coefficient of each cost center(continued)

Cost Apportioned from	Receiving Cost Center	Apportionment Coefficient
Education Service	Secretariat	9/549=0.016393 (a0901)
	Administration	14/549=0.025501 (a0902)
	Building & Transport	7/549=0.01275 (a0903)
	Finance	11/549=0.020036 (a0904)
	Logistic	6/549=0.010929 (a0905)
	Policy & Planing	2/549=0.003643 (a0906)
	Academic & Research	1/549=0.001821 (a0907)
	Library	11/549=0.020036 (a0908)
	Education Service	31/549=0.056466 (a0909)
	Computer unit	0 (a0910)
	King CU Hospital	0 (a0911)
	Research center	0 (a0912)
	Anatomy	23/549=0.041894 (a0913)
	Microbiology	38/549=0.069217 (a0914)
	Biochemistry	14/549=0.025501 (a0915)
	Parasitology	20/549=0.03643 (a0916)
	Pathology	31/549=0.056466 (a0917)
	Pharmacology	13/549=0.023679 (a0918)
	Physiology	14/549=0.025501 (a0919)
	Laboratory Medicine	11/549=0.020036 (a0920)
	Preventive and Social Medicine	17/549=0.030965 (a0921)
	Forensic Medicine	19/549=0.034608 (a0922)
	Psychiatry	19/549=0.03608 (a0923)
	Surgery	50/549=0.091075 (a0924)
	Medicine	55/549=0.100182 (a0925)
	Radiology	36/549=0.065574 (a0926)
	Anesthesiology	21/549=0.038251 (a0927)
	Paediatrics	49/549=0.089253 (a0928)
	Ophthalmology	19/549=0.034608 (a0929)
	Obstetrics and Gynecology	50/549=0.091075 (a0930)
	Otolaryngology	15/549=0.027322 (a0931)
	Orthopaedic Surgery Rehabilitation	19/549=0.034608 (a0932)
	Medicine	16/549=0.029144 (a0933)

Apportionment coefficient of each cost center(continued)

Cost Apportioned from	Receiving Cost Center	Apportionment Coefficient
computer unit	Secretariat	9/549=0.016393 (a01001)
	Administration	14/549=0.025501 (a01002)
	Building & Transport	7/549=0.01275 (a01003)
	Finance	11/549=0.020036 (a01004)
	Logistic	6/549=0.010929 (a01005)
	Policy & Planing	2/549=0.003643 (a01006)
	Academic & Research	1/549=0.001821 (a01007)
	Library	11/549=0.020036 (a01008)
	Education Service	31/549=0.056466 (a01009)
	Computer unit	0 (a01010)
	King CU Hospital	0 (a01011)
	Research center	0 (a01012)
	Anatomy	23/549=0.041894 (a01013)
	Microbiology	38/549=0.069217 (a01014)
	Biochemistry	14/549=0.025501 (a01015)
	Parasitology	20/549=0.03643 (a01016)
	Pathology	31/549=0.056466 (a01017)
	Pharmacology	13/549=0.023679 (a01018)
	Physiology	14/549=0.025501 (a01019)
	Laboratory Medicine	11/549=0.020036 (s01020)
	Preventive and Social Medicine	17/549=0.030965 (a01021)
	Forensic Medicine	19/549=0.034608 (a01022)
	Psychiatry	19/549=0.034608 (a01023)
	Surgery	50/549=0.091075 (a01024)
	Medicine	55/549=0.100182 (a01025)
	Radiology	36/549=0.065574 (a01026)
	Anesthesiology	21/549=0.038251 (a01027)
	Paediatrics	49/549=0.089253 (a01028)
	Ophthalmology	19/549=0.034608 (a01029)
	Obstetrics and Gynecology	50/549=0.091075 (a01030)
	Otolaryngology	15/549=0.027322 (a01031)
	Orthopaedic Surgery Rehabilitation	19/549=0.034608 (a01032)
	Medicine	16/549=0.029144 (a01033)

Apportionment coefficient of each cost center(continued)

Cost Apportioned from	Receiving Cost Center	Apportionment Coefficient
King CU Hospital	Secretariat	0 (a01101)
	Administration	0 (a01102)
	Building & Transport	0 (a01103)
	Finance	0 (a01104)
	Logistic	0(a01105)
	Policy & Planing	0(a01106)
	Academic & Research	0(a01107)
	Library	0(a01108)
	Education Service	0(a01109)
	computer unit	0 (a01110)
	King CU Hospital	0 (a01111)
	Research center	0 (a01112)
	Anatomy	0(a01113)
	Microbiology	0(a01114)
	Biochemistry	0(a01115)
	Parasitology	0(a01116)
	Pathology	0(a01117)
	Pharmacology	0(a01118)
	Physiology	0(a01119)
	Laboratory Medicine	0(s01120)
	Preventive and Social Medicine	0(a01121)
	Forensic Medicine	0(a01122)
	Psychiatry	0(a01123)
	Surgery	0(a01124)
	Medicine	0(a01125)
	Radiology	0(a01126)
	Anesthesiology	0(a01127)
	Paediatrics	0(a01128)
	Ophthalmology	0(a01129)
	Obstetrics and Gynecology	0(a01130)
	Otolaryngology	0(a01131)
	Orthopaedic Surgery Rehabilitation	0(a01132)
	Medicine	0(a01133)

Apportionment coefficient of each cost center(continued)

Cost Apportioned from	Receiving Cost Center	Apportionment Coefficient
Research center	Secretariat	9/549=0.016393 (a01201)
	Administration	14/549=0.025501 (a01202)
	Building & Transport	7/549=0.01275 (a01203)
	Finance	11/549=0.020036 (a01204)
	Logistic	6/549=0.010929 (a01205)
	Policy & Planing	2/549=0.003643 (a01206)
	Academic & Research	1/549=0.001821 (a01207)
	Library	11/549=0.020036 (a01208)
	Education Service	31/549=0.056466 (a01209)
	computer unit	0 (a01210)
	King CU Hospital	0 (a01211)
	Research center	0 (a01212)
	Anatomy	23/549=0.041894 (a01213)
	Microbiology	38/549=0.069217 (a01214)
	Biochemistry	14/549=0.025501 (a01215)
	Parasitology	20/549=0.03643 (a01216)
	Pathology	31/549=0.056466 (a01217)
	Pharmacology	13/549=0.023679 (a01218)
	Physiology	14/549=0.025501 (a01219)
	Laboratory Medicine	11/549=0.020036 (s01220)
	Preventive and Social Medicine	17/549=0.030965 (a01221)
	Forensic Medicine	19/549=0.034608 (a01222)
	Psychiatry	19/549=0.03608 (a01223)
	Surgery	50/549=0.091075 (a01224)
	Medicine	55/549=0.100182 (a01225)
	Radiology	36/549=0.065574 (a01226)
	Anesthesiology	21/549=0.038251 (a01227)
	Paediatrics	49/549=0.089253 (a01228)
	Ophthalmology	19/549=0.034608 (a01229)
	Obstetrics and Gynecology	50/549=0.091075 (a01230)
	Otolaryngology	15/549=0.027322 (a01231)
	Orthopaedic Surgery	19/549=0.034608 (a01232)
	Rehabilitation Medicine	16/549=0.029144 (a01233)

Apportation coefficient matrix

[A] =

0.983607	-0.01639	-0.0037	-0.01639	0	-0.01639	-0.01639	-0.01639	-0.01639
-0.0255	0.974499	-0.0037	-0.0255	0	-0.0255	-0.0255	-0.0255	-0.0255
-0.01275	-0.01275	0.996296	-0.01275	0	-0.01275	-0.01275	-0.01275	-0.01275
-0.02004	-0.02004	-0.0037	0.979964	0	-0.02004	-0.02004	-0.02004	-0.02004
-0.01093	-0.01093	-0.0037	-0.01093	1	-0.01093	-0.01093	-0.01093	-0.01093
-0.00364	-0.00364	-0.0037	-0.00364	0	0.996357	-0.00364	-0.00364	-0.00364
-0.00182	-0.00182	-0.0037	-0.00182	0	-0.00182	0.998179	-0.00182	-0.00182
-0.02004	-0.02004	-0.04689	-0.02004	0	-0.02004	-0.02004	0.979964	-0.02004
-0.05647	-0.05647	-0.0037	-0.05647	0	-0.05647	-0.05647	-0.05647	0.943534
0	0	-0.00741	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	-0.0037	0	0	0	0	0	0
-0.04189	-0.04189	-0.07607	-0.04189	-0.05604	-0.04189	-0.04189	-0.04189	-0.04189
-0.06922	-0.06922	-0.04444	-0.06922	-0.10949	-0.06922	-0.06922	-0.06922	-0.06922
-0.0255	-0.0255	-0.04909	-0.0255	-0.01115	-0.0255	-0.0255	-0.0255	-0.0255
-0.03643	-0.03643	-0.01481	-0.03643	-0.02031	-0.03643	-0.03643	-0.03643	-0.03643
-0.05647	-0.05647	-0.08532	-0.05647	-0.19322	-0.05647	-0.05647	-0.05647	-0.05647
-0.02368	-0.02368	-0.04909	-0.02368	-0.01349	-0.02368	-0.02368	-0.02368	-0.02368
-0.0255	-0.0255	-0.04909	-0.0255	-0.01685	-0.0255	-0.0255	-0.0255	-0.0255
-0.02004	-0.02004	0	-0.02004	-0.01581	-0.02004	-0.02004	-0.02004	-0.02004
-0.03097	-0.03097	-0.03251	-0.03097	-0.01333	-0.03097	-0.03097	-0.03097	-0.03097
-0.03461	-0.03461	-0.03764	-0.03461	-0.04821	-0.03461	-0.03461	-0.03461	-0.03461
-0.03461	-0.03461	-0.00929	-0.03461	-0.00676	-0.03461	-0.03461	-0.03461	-0.03461
-0.09107	-0.09107	-0.04038	-0.09107	-0.02483	-0.09107	-0.09107	-0.09107	-0.09107
-0.10018	-0.10018	-0.04004	-0.10018	-0.2235	-0.10018	-0.10018	-0.10018	-0.10018
-0.06557	-0.06557	-0.02002	-0.06557	-0.04064	-0.06557	-0.06557	-0.06557	-0.06557
-0.03825	-0.03825	-0.02002	-0.03825	-0.00434	-0.03825	-0.03825	-0.03825	-0.03825
-0.08925	-0.08925	-0.14829	-0.08925	-0.04914	-0.08925	-0.08925	-0.08925	-0.08925
-0.03461	-0.03461	-0.00963	-0.03461	-0.01011	-0.03461	-0.03461	-0.03461	-0.03461
-0.09107	-0.09107	-0.14014	-0.09107	-0.12472	-0.09107	-0.09107	-0.09107	-0.09107
-0.02732	-0.02732	-0.00963	-0.02732	-0.0053	-0.02732	-0.02732	-0.02732	-0.02732
-0.03461	-0.03461	-0.02002	-0.03461	-0.00737	-0.03461	-0.03461	-0.03461	-0.03461
-0.02914	-0.02914	-0.01686	-0.02914	-0.00539	-0.02914	-0.02914	-0.02914	-0.02914

[A⁻¹] =

1.019226	0.019226	0.005194	0.019226	0	0.019226	0.019226	0.019226	0.019226
0.029877	1.029877	0.006012	0.029877	0	0.029877	0.029877	0.029877	0.029877
0.014966	0.014966	1.004867	0.014966	0	0.014966	0.014966	0.014966	0.014966
0.023486	0.023486	0.005521	1.023486	0	0.023486	0.023486	0.023486	0.023486
0.012836	0.012836	0.004703	0.012836	1	0.012836	0.012836	0.012836	0.012836
0.004316	0.004316	0.004049	0.004316	0	1.004316	0.004316	0.004316	0.004316
0.002186	0.002186	0.003885	0.002186	0	0.002186	1.002186	0.002186	0.002186
0.024133	0.024133	0.048914	0.024133	0	0.024133	0.024133	1.024133	0.024133
0.066088	0.066088	0.008793	0.066088	0	0.066088	0.066088	0.066088	1.066088
0.000111	0.000111	0.007443	0.000111	0	0.000111	0.000111	0.000111	0.000111
0	0	0	0	0	0	0	0	0
5.54E-05	5.54E-05	0.003722	5.54E-05	0	5.54E-05	5.54E-05	5.54E-05	5.54E-05
0.05085	0.05085	0.080471	0.05085	0.056042	0.05085	0.05085	0.05085	0.05085
0.083014	0.083014	0.051391	0.083014	0.10949	0.083014	0.083014	0.083014	0.083014
0.030699	0.030699	0.05167	0.030699	0.011153	0.030699	0.030699	0.030699	0.030699
0.043084	0.043084	0.018254	0.043084	0.020309	0.043084	0.043084	0.043084	0.043084
0.06979	0.06979	0.091719	0.06979	0.193216	0.06979	0.06979	0.06979	0.06979
0.028599	0.028599	0.051517	0.028599	0.013486	0.028599	0.028599	0.028599	0.028599
0.030772	0.030772	0.051697	0.030772	0.01685	0.030772	0.030772	0.030772	0.030772
0.023634	0.023634	0.001874	0.023634	0.015807	0.023634	0.023634	0.023634	0.023634
0.036869	0.036869	0.035514	0.036869	0.013331	0.036869	0.036869	0.036869	0.036869
0.041654	0.041654	0.041155	0.041654	0.048209	0.041654	0.041654	0.041654	0.041654
0.040698	0.040698	0.012474	0.040698	0.006762	0.040698	0.040698	0.040698	0.040698
0.107428	0.107428	0.048872	0.107428	0.024831	0.107428	0.107428	0.107428	0.107428
0.120623	0.120623	0.050283	0.120623	0.223505	0.120623	0.120623	0.120623	0.120623
0.077505	0.077505	0.026197	0.077505	0.04064	0.077505	0.077505	0.077505	0.077505
0.045087	0.045087	0.023573	0.045087	0.00434	0.045087	0.045087	0.045087	0.045087
0.107225	0.107225	0.157254	0.107225	0.049145	0.107225	0.107225	0.107225	0.107225
0.040746	0.040746	0.012832	0.040746	0.010113	0.040746	0.040746	0.040746	0.040746
0.110203	0.110203	0.149585	0.110203	0.124718	0.110203	0.110203	0.110203	0.110203
0.032164	0.032164	0.012155	0.032164	0.005298	0.032164	0.032164	0.032164	0.032164
0.040866	0.040866	0.02326	0.040866	0.007369	0.040866	0.040866	0.040866	0.040866
0.034403	0.034403	0.019581	0.034403	0.005387	0.034403	0.034403	0.034403	0.034403

Curriculum Structure of Doctor of Medicine Program

Duration : 6 year

Credit : 263 Credits (Compulsory 257 credits, Free elective 6 credits)

Curriculum Structure :

Curriculum Structure	Number of credit (for whole Programme)
General Subject	42
- Social Science	3
- Humanity	3
- Science and Mathematics	3
- In tegrated Science	3
- Foreign Language	6
- Elective	24
Specific Subject	215
- Basic science (Preclinic)	75
- Professional (Clinic)	140
Elective	6
- Assigned Elective	3
- Free Elective	3
Total	263

The credit and the Student Credit Hour (SCH)

Year	Credit		
	Ist Semester	2 nd Smester	Total
1	20	22	42
2	19	20	39
3	19	21	40
4	22	21	43
5	26	25	51
6	24	24	48
Total			263

Year	Credit		
	Ist Semester	2 nd Smester	Total
i	2,880	3,168	6,048
2	2,907	3,060	5,967
3	3,059	3,381	6,440
4	3,366	3,213	6,579
5	3,796	3,650	7,446
6	3600	3,600	7,200
Total			39,680

Appendix II**Medical Curriculum (1st – 6th year)****1st year****1st Semester**

Code	Subject	Credit
5500115	Foundation English 1	3
2603282	Sstatistics for Biological	3
2302166	Science	1
2302167	General Chemistry Laboratory	3
2304109	General Chemistry	3
2304189	Medical Physics	1
xxxxxxx	Medical Physics Laboratory	3 – 6
	Elective	
	Total	17 – 20

2nd Semester

Code	Subject	Credit
5500116	Foundation English II	3
2301103	Calculus 1	3
2302168	Organic Chemistry	3
2302219	Organic Chemistry	1
2303105	Laboratory	3
2303106	General Biology	1
2312242	General Biology	2
xxxxxxx	Laboratory	3 - 6
	General Microbiology	
	Elective	
	Total	19 - 22

Medical Curriculum (1st – 6th year)(continued)

2nd Year

1st Semester

Code	Subject	Credit
3000222	Introduction to Inquiry Learning	2
3001210	Human Structure and Function I	2
3001212	Human Structure and Function II	4
3001214	Human Structure and Function III	1
3001230	Human Structure and Function IX	1
3005216	Human Structure and Function VIII	2
3017212	Human Structure and Function VII	2
3017220	Human Structure and Function IV	2
3017222	Human Structure and Function VI	3
	Total	19

Medical Curriculum (1st – 6th year)(continued)

2nd Semester

Code	Subject	Credit
3001218	Human Growth and	3
3001220	Development I	2
3005212	Human Growth and	1
3005214	Development II	4
3009210	Human Structure and Function V	2
3010210	Metabolism and Nutrition	1
3014212	Basic Pathology	2
3017224	Basic Pharmacology	3
	Health and Disease	2
	Reproduction	
	Elective	
	Total	20

Medical Curriculum (1st – 6th year)(continued)3rd year1st Semester

Code	Subject	Credit
3004308	Basic Immunology	2
3004310	Infection I	4
3008310	Infection II	4
3009310	Infection III	1
3009316	Oncology	4
3010310	Infection IV	1
3013310	Infection V	1
3013312	Clinic Pathology	2
	Total	19

Medical Curriculum (1st – 6th year)(continued)

2st Semester

Code	Subject	Credit
3000320	Introduction to Medical Profession	1
3001310	Neuroscience I	3
3001312	Neuroscience II	2
3004312	Clinical Immunology	1
3006312	Medical Ethics	1
3007310	Human Behavior	3
3010308	Neuroscience III	1
*3010314	Degeneration and Diseases of Aging	3
3014310	Epidemiology and Biostatistics	2
3014312	Environmental and Occupational Health	2 2
	Elective	
	Total	21

Medical Curriculum (1st – 6th year)(continued)

4nd year

1 - 2st Semester

Code	Subject	Credit
3003410	Ophthalmology I	1
3006410	Forensic Medicine I	1
3014410	Community Medicine I	1
3015410	Theoretical Surgery I	4
3015412	Theoretical Surgery II	2
3015414	Practical Surgery I	4
3015416	Operative Surgery I	2
3016410	Orthopedics I	1
3018414	Theoretical Obstetrics and	4
3018416	Gynecology	4
3018418	Practical Obstetrics and	4
3019410	Gynecology I	1
3020410	Operative Obstetrics and	2
3020412	Gynecology I	4
3020414	Otolaryngology I	4
3020416	Introduction to Clinic	4
	Medicine I	
	Medicine II	
	Medicine III	
	Total	43

Medical Curriculum (1st – 6th year)(continued)

5nd year

1 - 2st Semester

Code	Subject	Credit
3002510	Pediatrics I	4
3002512	Pediatrics II	2
3002514	Pediatrics III	3
3002516	Pediatrics IV	2
3003510	Ophthalmology II	3
3007510	Psychiatric Clerkship	1
3011512	Diagnostic Imaging	2
3011514	Radiation Oncology I	1
3011516	Nuclear Medicine I	1
3012510	Anesthesiology I	2
3012512	Anesthesiology II	2
3014510	Community Medicine II	3
3014514	Community Medicine III	3
3015510	Theoretical Surgery III	2
3015512	Practical Surgery II	1
3015514	Operative Surgery II	3
3016510	Orthopedics II	2
3019510	Otolaryngology II	3
3020510	Medicine IV	4
3020512	Medicine V	2
3021510	Rehabilitation Medicine	2
	Total	51

Medical Curriculum (1st – 6th year)(continued)

6nd year

1 - 2st Semester

Code	Subject	Credit
3000620	Medical Emergency	4
3000622	General Practice	4
3002620	Pediatrics V	2
3002622	Pediatrics VI	4
3006610	Forensic Medicine II	2
3014610	Community Medicine IV	4
3015610	Practical Surgery III	3
3015612	Practical Surgery IV	3
3015614	Practical Surgery V	3
3016610	Orthopedics III	3
3018610	Practical Obstetrics and	3
3018612	Gynecology II	3
3020612	Operative Obstetrics and	4
3020614	Gynecology II	4
	Medicine VI	2
	Medicine VII	
	Elective	
	Total	48

Appendix III

Table Shows department and number of weeks that medical Students attended in ward.

Ward	No. of weeks medical Student attended		
	Year 4	Year 5	Year 6
<u>Medicine</u>			
Prom Pan 2	12	-	12
Vajravj	12	-	12
Limsilan	12	-	12
Medicine 2	-	6	12
Medicine 3	-	6	12
BBL 3	12	-	12
ER	-	-	12
ICU 1	-	-	12
ICU 2	-	-	12
<u>Obstetrice & Gvneecology</u>			
Labor Room	11	-	6
Navamindt 5	11	-	6
Navamindt 6	11	-	6
Kakanang	11	-	6
<u>Paedialrice</u>			
PPR 9	-	10	6
Kakanang	-	10	6
SK 15	-	10	6
SK 17	-	10	6
SK 18	-	10	6
SK 19	-	-	6
<u>Orthopaedic</u>			
Jaroen-Somsri 4-6	2	2	-

Ward	No. of weeks medical Student attended		
	Year 4	Year 5	Year 6
<u>Surgery</u>			
Jongkonnee	12	6	9
Artorn	12	-	9
Panjarajini	12	-	9
MP 3	12	-	9
SK 4	-	6	9
<u>Eye</u>			
Jumpot 2,3	1	3	-
<u>Psychiatry</u>			
BBL 1	1	3	-
<u>Anesthesiology</u>			
	-	4	-
<u>Radiology</u>			
PPR 4	-	4	-

Appendix IV

Space of the Faculty of Medicine

Building	Space (Sqm)
Obromvichakarn	1,708
Preventive & Social Med	1,624
Forensic Med	1,880
Anatomy	3,800
Pathology	4,262
Physiology	7,358
Amandhamahidol	8,880
Space of garden and playground	20,995
Total Area(Land)	55,345

Source : Division of Building and Transport Faculty of Medicine,
Chulalongkorn University

Appendix V**Table A.1** Rate of unemployment by region and age

Rate of unemployment (Percent)

Region	Age 15-19	Age 20-24
BKK	4.6	6.9
Central	3.8	4.9
North	6.0	4.2
South	7.0	6.8
Northeastern	8.6	8.4

Source : Report of the labor force survey whole Kingdom Round 3 : August 2000,
National Statistical office and office of the prime minister

Table A.2 Shows average wage by region and sex

Average wage/month (Baht)

Region	Male	Female
BKK	10,052.9	8,324.2
Central	8,031.9	6,620.0
North	6,236.0	4,764.0
South	6,224.6	4,974.2
Northeastern	5,459.8	4,703.2

Source : Report of the labor force survey whole Kingdom Round 3 : August 2000,
National Statistical office and office of the prime minister

Table A.3 Shows number of student by sex and year of age 15-19

Age 15-19

Year	BKK (M/F)	Central (M/F)	North (M/F)	South (M/F)	Northeast (M/F)
1	37/60	6/11	2/1	3/11	5/8
2	41/47	13/11	3/1	6/6	3/6
3	32/41	9/16	2/2	6/3	3/2
4	14/10	3/2	1/1	1/0	1/0
5	1/1	0/0	0/0	0/0	0/0
6	0/0	0/0	0/0	0/0	0/0

Table A.4 Shows number of student by sex and year of age 20-24

Year	BKK (M/F)	Central (M/F)	North (M/F)	South (M/F)	Northeast (M/F)
1	0	0	0	0	0
2	1/3	1/1	0/0	1/1	2/1
3	13/9	6/3	1/1	½	2/0
4	48/34	11/8	2/2	2/3	4/2
5	47/42	14/12	3/5	6/3	5/6
6	51/48	13/17	½	4/1	7/4

Note: M = male F = female

Appendix VI

SUMMARY TABLE : GENERAL CONSUMER PRICE INDEX 1994 - 2001							
1994 = 100							
All Commodities							
Month/Year	Nation wide	Bangkok	Central Region	Northern Region	North - Eastern Region	Southern Region	
1994	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1995	105.8	105.7	106.4	105.4	106.3	106.3	106.3
1996	112.0	111.9	112.5	110.6	113.0	112.8	112.8
1997	118.2	117.7	119.5	116.8	121.9	120.0	120.0
1998	127.8	126.9	130.9	126.1	132.0	130.3	130.3
1999	128.2	127.4	131.1	127.0	132.1	130.0	130.0
JAN.	128.6	127.9	131.4	126.6	132.2	131.2	131.2
FEB.	128.7	128.0	131.6	126.6	132.1	131.2	131.2
MAR.	128.5	127.7	131.7	127.0	131.9	130.9	130.9
APR.	127.9	127.0	131.4	126.5	131.8	130.1	130.1
MAY	127.4	126.4	130.7	126.5	131.7	129.6	129.6
JUN.	127.3	126.4	130.1	126.5	131.8	129.0	129.0
JUL.	127.5	126.7	130.0	126.5	131.8	129.0	129.0
AUG.	128.0	127.2	130.9	127.5	132.3	129.4	129.4
SEP.	128.2	127.3	131.2	127.6	132.2	129.6	129.6
OCT.	128.4	127.6	131.2	127.4	132.4	129.6	129.6
NOV.	128.6	128.0	131.3	127.4	132.0	129.7	129.7
DEC.	129.0	128.3	131.6	128.1	132.6	130.5	130.5
2000	130.2	129.3	132.9	129.4	133.8	132.2	132.2

Source: Department of Domestic Commerce, Ministry of Commerce

Appendix VII**Doctor cost allocation data sheet**

Name.....Department.....

Position Staff Fellow Resident

Salary (Only Fellow and Resident)

If 2 Semesters are 100%, please grading your works

Order	Activities	Proportion of Work (in percent)
1	Teaching (include adviser, examination and	%
2	Research	%
3	Social Service in academic	%
4	Art and culture promotion	%
5	Service related to patient and laboratory	%
	5.1 Outpatient	%
	5.2 Inpatient	%
	5.3 Surgical precede	%
	5.4 Laboratory service	%
	5.5 Other services.....	%
6	Administration	%
7	Committee	%
8	Other.....	%

Form CC

Survey Sheet Concerning Capital Assets

Name of Capital	Quantity	Price per unit (Baht)	Total amount (Baht)	Month, Year of acquirement	Time of utilization (year)	Expiration of utilization (Month, Year)

Form LC-1

Labour Cost Recored Sheet (except overtime)

Month.....

No.	Salary	Incremental fund for dependents	School fee for dependents	Hospitalization fee	Allowance	Others	Total

MC-1 Material Survey Material section

Record Sheet For Material Costs

For the month of

Cost Center	Office material	Household material	Teaching Material	Water Supply	Electricity	Telephone

BIOGRAPHY

Mr. Thosporn Vimolket, M.D. was born on 25th, November 1957 in Bangkok, Thailand. He graduated from Faculty of Medicine, Chulalongkorn University in 1981, and worked in Kampaengpet Hospital for 2 years, The Division of School Health, Department of Health, Ministry of Public Health for 9 Years, then Department of Preventive and Social Medicine Faculty of Medicine Chulalongkorn University as a Lecturer in 1995.

Now he is in the position of associated professor in the Department.

