

APPENDICES

I. Member List of Survey Team

Basic Design Study

Yoshinobu Kuroda	Team Leader	Grand Aid Division Economic Cooperation Bureau Ministry of Foreign Affairs Government of Japan
Hidechika Akashi	Technical Advisor	Bureau of International Cooperation International Medical Center of Japan Ministry of Health and Welfare Government of Japan
Shigetaka Tojo	Project Manager	International Techno Center Co., Ltd.
Yoshikazu Watanabe	Medical Engineer	International Techno Center Co., Ltd.
Akio Kaneko	Facility Engineer	International Techno Center Co., Ltd.
Chiharu Abe	Cost Estimation	International Techno Center Co., Ltd.

Draft Basic Design

Katsuhiko Yoshitake	Team Leader	Bureau of International Cooperation International Medical Center of Japan Ministry of Health and Welfare Government of Japan
Shigetaka Tojo	Project Manager	International Techno Center Co., Ltd.
Yoshikazu Watanabe	Medical Engineer	International Techno Center Co., Ltd.

**2. Survey Schedule
Basic Design**

No.	Date	Schedule
1	9/11 Mon	Lv. Narita/ Ar. Frankfurt
2	9/17 Tue	Lv. Frankfurt/ Ar. Damascus
3	9/18 Wed	Courtesy call on JICA, EOJ, MOH, HCO
4	9/19 Thr	Courtesy call/ survey on Damascus Hosp., Meeting with HCO
5	9/20 Fri	Call on Tartos Hosp.
6	9/21 Sat	Call on Damascus Hosp. (outpatient, Lab, storage, physiotherapy) Meeting with HCO
7	9/22 Sun	Call on Damascus Hosp. Meeting with staff of Damascus Hosp. Arraival of Team Leader. Meeting with HCO
8	9/23 Mon	Meeting with HCO
9	9/24 Tue	Meeting with HCO
10	9/25 Wed	Signing of Minnutes of Discussion
11	9/26 Thr	Survey on Damascus Hosp. Reporting the result to JICA Mr. Kuroda and Mr. Akashi leave
12	9/27 Fri	Review of collected data Meeting with HCO
13	9/28 Sat	Survey on Damascus Hosp.
14	9/29 Sun	Survey on Damascus Hosp. Meeting with HCO
15	9/30 Mon	Survey on Damascus Hosp. Meeting with HCO
16	10/1 Tue	Survey on Damascus Hos[. Meeting with Director of Hosp.
17	10/2 Wed	Survey on Damascus Hosp. Meeting with HCO Arrival of Cost Estimation
18	10/3 Thr	Survey on Damascus Hosp. Market Survey. Meeting with HCO
19	10/4 Fri	Team Meeting
20	10/5 Sat	Survey on Damascus Hosp. Market Survey. Meeting with HCO
21	10/6 Sun	Review of collected data
22	10/7 Mon	Survey on Damascus Hosp. Market Survey
23	10/8 Tue	Survey on Damascus Hosp. Market Survey
24	10/9 Wed	Survey on Damascus Hosp. Market Survey
25	10/10 Thr	Survey on Damascus Hosp. Market Survey
26	10/11 Fri	Review of colleted data
27	10/12 Sat	Survey on Damascus Hosp. Market Survey. Meeting with HCO Close of office in Damascus Hosp. Visit exhibition of medical equipment
28	10/13 Sun	Review of collected data. Market Survey
29	10/14 Mon	Review of collected data. Market Survey
30	10/15 Tue	Review of collected data. Market Survey
31	10/16 Wed	Review of collected data. Meeting with State Health Directorate
32	10/17 Thr	Market Survey. Lv. Damascus/ Ar. Roma
33	10/18 Fri	Lv. Roma
34	10/19 Sat	Ar. Narita

Draft Basic Design

No.	Date	Schedule
1	12/10 Tue	Lv. Narita/ Ar. Paris
2	12/11 Wed	Lv. Paris/ Ari. Damascus
3	12/12 Thu	Courtesy call on JICA ,EOJ, MOH, Ministry of State for Planning Affairs
4	12/13 Fri	Meeting with MOH, HCO
5	12/14 Sat	Call on Damascus Hosp. Meeting with HCO
6	12/15 Sun	Call on District Hosp.
7	12/16 Mon	Meeting with HCO and Damascus Hosp.
8	12/17 Tue	Signing of Minnutes of Discussion
9	12/18 Wed	Meeting with HCO. Call on Ministry of State for Planning Affairs
10	12/19 Thu	Reporting the result to JICA and EOJ
11	12/20 Fri	Lv. Damascus/ Ar. Frankfurt/ Lv. Frankfurt
12	12/21 Sat	Ar. Narita

3. List of Party Concerned in the Recipient Country

Ministry Of Health

Minister	Dr.M.Eyad Chatty
Vice Minister	Dr.M.Tarehk
Director of Hospital Project Office	Dr.M.Ali Kalkoukli
Hospital Project office	Dr.Haji Hussein
Director of Damascus Emergency System	Dr.Alaa Derani
Director of National Emergency/Disaster System	Dr.Badr A Bach - Imam

Department of Health of Damascus State

Director	Dr. M.Derani
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Damascus Hospital

Director	Dr. Fahham Walid
Director of ENT	Dr.A.R.Al- Yousef
Director of Surgery	Dr.Massan Jadid
Director of Emergency/Circulatory Organ	Dr.Mohamed Ali Haidar
Director of Laboratory	Dr. Hanan Farir
Director of Pediatrics	Dr. Hecham Hobant
Director of Radiology	Dr.M.Adnan Sassa
Director of Orthopedics	Dr.Badih Bkri
Director of Anesthesia	Dr.Faissal Assaf
Director of of Physiology	Dr.Zaid Dehach
Director of Internal Medicine	Dr.Ali Saada
Director of Ophthalmology	Dr.Abd Jabil Racheed
Director of Respiratory	Dr.Tayssir Saleh

Ministry of State Planning Affairs

Department of Foreign Aid	Mr.Shubai
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4.Comparison Sheet

01. Gastrointestinal

Comparison sheet Existing/Request/Planned eq.

Status of Existing Equipment		Request		Design plan		Note				
Equipment	Inst	Status	yr old	No.	Q	No.	Q	Q	Q	Note
Colonoscope	1986	X	10	87	2	28	2	2	2	Replace
Colonoscope	1987	X	9	88						
Colono Fibrescope	1995	->	1							
Endoscopy	1986		10	89						
				90						
				91						
				92						
				93						
				94						
				95						
Gastroscope	1986		10	96	5	56	5	3	3	Replace
Gastroscope	1986		10							
Gastroscope	1986		10							
Gastroscope	1986	X	10							
Gastroscope	1988		8							
Gastroscope with Cold Light Source	1995	->	1							
Ophthalmoscope Direct	1988	X	8							
Scanner Ultrasonic General Purpose	1986		10	100	2	102	2	1	1	Replace
Scanner Ultrasonic General Purpose	1988		8	101						
Scanner Ultrasonic General Purpose	1990		6	102						
Sterilizing Unit Dry Heat	1986		10	103	1	109	1	2	2	Replace
Sterilizing Units Dry Heat	1986		10	104						
Suction Unit Aspirator	1986		10	105	1	111	1	1	1	Replace
Echo Doppler	1990		6	106	4	49	4	1	1	New
Blue Duct Fibrescope	1995	->	1							
Endoscopy	1986		10							
Microscope Laboratory	1990		6							
Microscope Laboratory	1990		6							
Recto Sigmoidoscope	1995	->	1							
	1994		2							
Total									10	

X : Out of order
-> : Under Installation

Comparison sheet Existing/Request/Planned eq.

02. I.C.U

Status of Existing Equipment			Request			Design plan				
Equipment	Inst	Status	yr old	No.	Request	O	No.	equipment	Q/ty	Note
ICU Monitoring System (4beds/Central)	1995	ICU General	1	111	ICU Monitoring System/ Central Station/8 Beds	1	1	Central Monitor	2	7beds X 2system
ECG Monitor	1994	CCU	2	40	Bedside ICU Monitoring System/ Central Station	1	13	Bedside Monitor	14	system
ECG Monitor	1994	CCU	2	89	ICU Monitoring System/ 4 Bed	1				
ECG Monitor	1994	CCU	2							
ECG Monitor	1991	ICU General	5							
Electrocardiograph Multi-channel	1988	CCU	8	47	Electrocardiograph, 12 channel /with Analyzer	1	8	Electrocardiograph	4	
Electrocardiograph Multi-channel	1990	CCU	6	114	Electrocardiograph, 12 channel /with Analyzer	1				
Electrocardiograph Single Channel	1990	CCU	6	193	Electrocardiograph, Multiple with Analyzer	1				
Ventilator	1994	CCU	2	51	Ventilator	2	123	人工呼吸器	6	
Ventilator	1994	ICU General	2	196	Ventilator	2				
Ventilator	1994	ICU General	2	197	Ventilator	2				
Ventilator	1994	ICU General	2							
Defibrillator / Monitor	1989	CCU	7	53	Defibrillator/ Monitor/ with non invasive pacemaker	2				
Defibrillator / Monitor	1988	ICU General	8	113	Defibrillator/ Monitor/ with non invasive pacemaker	1	34	除細動器	2	
Blood Gas Analyzer	1988	CCU	8	44	Blood Gas Analyzer	1				
Blood Gas Analyzer	1988	ICU General	8	112	Blood Gas Analyzer	1	16	血液ガス分析装置	1	
				194	Blood Gas Analyzer					
Electrolyte Analyzer Ion Selective	1988	ICU General	8	115	Electrolyte Analyzer Ion-Selective	1	43	電解質分析装置	1	
				48	Glucose Analyzer	2	57	グルコース分析計	4	
				117	Glucose Analyzer	2				
				194	Glucose Analyzer	1				
Glucose Analyzer	1986	ICU General	10	116	Glucose Analyzer	1				
					Syringe Pump		115	シリンジポンプ	14	
					Syringe Pump					
				43	Automatic Infusion Pump	10	66	輸液ポンプ	14	
					Automatic Infusion Pump					
				118	Pneumatic Mattress with Automatic Bump	3	94	ICUベッド	14	
				195	Pneumatic Mattress with Automatic Pump	2				
				49	ICU Respiratory Bed	3				
				110	ICU Resuscitation Bed	3				
				190	ICU Resuscitation Bed/ A	4				
				50	Screen Regulator	1				
Scanner Ultrasonic General Purpose	1990	ICU	6							
Cath Lab	1983	CCU	13							
X-ray Film processor	1981	CCU	15							

X : Out of order
-> : Under Installation

Total 76

01. Gastrointestinal

Comparison sheet Existing/Request/Planned eq.

Status of Existing Equipment		Request		Design plan	
Year	Status	No.	Request	No.	Name
1986	X	87	Ballon for Proximal dilation of Achalasia	3	
1986	X	88	Colonoscope	2	Colonoscope
1987	X	91			
1988	X	89	Echo Endoscope for Upper Gastrointestinal	1	
1986	X	90	Fiber Optic Duodenoscope for E.R.C.P. 11mm	3	
		91	Fiber Optic Duodenoscope for E.R.C.P. 13mm	3	
		92	Niter Optic Gastroendoscope 11mm	5	
		93	Fiber Optic Gastroendoscope 9mm	5	
		94	Fiber Optic Short Colonoscope 90cm	3	
		95	Fiber Optic Total Colonoscope 180cm	3	
1986	X	96	Gastroscope	5	Gastroscope
1986	X				
1986	X				
1986	X				
1988	X				
1985	X				
1988	X	97	Laparoscope Fiber Optic	1	
		98	Ophthalmoscope Direct	1	
		99	Savory Dilator for Stenosis of Esophagus	3	
1986	X	100	Scanner Ultrasonic General Purpose	2	Scanner Ultrasonic General Purpose
1988	X	101	Scanner Ultrasonic General Purpose	1	
1990	X	102	Scanner Ultrasonic General Purpose	1	
		103	Sigmoidoscope Scope Fiber optic	5	
1986	X	104	Sterilizing Unit Dry Heat	1	Sterilizing Unit Dry Heat
1986	X	105	Sterilizing Unit Dry Heat	1	
1986	X	106	Suction Unit Aspirator	1	Suction Unit
		107	Table for Cleaning of the Endoscopy Equipment	4	Endoscopy Cleaning Cart
		108	Ultrasound Doppler/ General purpose/ 3D	2	
		109	X-ray Instrument Special for E.R.C.P. Applications	2	
1985	X				
1986	X				
1990	X				
1990	X				
1995	X				
1994	X				

Total 10

X : Out of order
 S : Under Installation

Comparison sheet Existing/Request/Planned eq.

02. I.C.U

Status of Existing Equipment			Request			Planned		
Equipment	Inst. yr.	Status	No.	Request	Planned	Equipment	Qty	Note
ICU Monitoring System (bedside/central)	1985	ICU General	1	11 ICU Monitoring System/ Central Station/ 8 Beds	General ICU Dep	Central Monitor	1	7 beds - Newcom
BCC Monitor	1984	CCU	2	42 8 Beds ICU Monitoring System/ Central Station	CCU Dep	Bedside Monitor	1	14 system
BCC Monitor	1984	CCU	2	189 ICU Monitoring System/ 4 Beds	Neuro ICU Dep			
BCC Monitor	1984	CCU	2					
BCC Monitor	1991	ICU General	1					
Electrocardiograph Multi-channel	1988	CCU	8	47 Electrocardiograph, 12 channel/with Analyzer	CCU Dep	Electrocardiograph	4	
Electrocardiograph Multi-channel	1980	CCU	6	114 Electrocardiograph, 12 channel/with Analyzer	General ICU Dep			
Electrocardiograph Single Channel	1990	CCU	6	193 Electrocardiograph, Multiple with Analyzer	Neuro ICU Dep			
Ventilator	1994	CCU	2	51 Ventilator	CCU Dep	Ventilator	6	
Ventilator	1994	ICU General	2	196 Ventilator	Neuro ICU Dep			
Ventilator	1994	ICU General	2	119 Ventilator	General ICU Dep			
Ventilator	1994	ICU General	2					
Defibrillator/ Monitor	1989	CCU	7	45 Defibrillator/ Monitor/ with non invasive pacemaker	CCU Dep			
Defibrillator/ Monitor	1988	ICU General	8	113 Defibrillator/ Monitor/ with non invasive pacemaker	General ICU Dep	Defibrillator	2	
Blood Gas Analyzer	1988	CCU	8	44 Blood Gas Analyzer	Neuro ICU Dep			
Blood Gas Analyzer	1988	ICU General	8	112 Blood Gas Analyzer	General ICU Dep	Blood Gas Analyzer	1	
Electrolyte Analyzer Ion Selective	1988	ICU General	8	191 Blood Gas Analyzer	Neuro ICU Dep			
				115 Electrolyte Analyzer Ion-Selective	General ICU Dep	Electrolyte Analyzer	1	
				48 Glucose Analyzer	CCU Dep	Glucose Analyzer	4	
				117 Glucose Analyzer	General ICU Dep			
				194 Glucose Analyzer	Neuro ICU Dep			
				116 Glucose Analyzer	General ICU Dep			
				Syringe Pump	CCU Dep	Syringe Pump	19	
				Syringe Pump	General ICU Dep			
				43 Automatic Infusion Pump	CCU Dep	Infusion Pump	19	
				Automatic Infusion Pump	General ICU Dep			
				118 Pneumatic Mattress with Automatic Pump	General ICU Dep			
				195 Pneumatic Mattress with Automatic Pump	Neuro ICU Dep	ICU Bed	14	
				49 ICU Resuscitation Bed	CCU Dep			
				110 ICU Resuscitation Bed	General ICU Dep			
				190 ICU Resuscitation Bed/ 4	Neuro ICU Dep			
				50 Serum Regulator	CCU Dep			
Scanner - Electronic General Purpose	1990	CCU	6					
Cath Lab	1988	CCU	13					
X-ray Infusion Monitor	1981	CCU	13					

1 - Out of order
 * - Under Evaluation

Status of Existing Equipment	Inst	Status yr old	Request		Design plan		Q'ty	Note
			No.	Q	No.	equipment		
			206	2	27	グルコース分析計	2	Add

Comparison sheet Existing/Request/Planned eq.

04. Ophthalmology

Status of Existing Equipment			Request			Design plan			
Equipment	Inst	Status	yr old	No.	Request	No.	equipment	Qty	Note
Chart Eye Visual Acuity	1982		14	216	Ophthalmology Clinic	3	視力測定用チャート	1	replace
Chart Eye Visual Acuity	1982	X	14						
Chart Eye Visual Acuity	1982	X	14						
Extraction Metal Magnetic	1982		14	217	Extractor Metal Magnetic	1	眼科用マグネット	1	replace
Keratometer (Javal)	1982		14	218	Keratometer (Javal)	3	角膜曲率計	1	replace
Keratometer (Javal)	1982		14						
Keratometer (Javal)	1982		14						
Lensometer	1981		15	219	Lensometer	2	レンズメータ	1	replace
Lensometer	1982		14						
Ophthalmoscope Direct	1981		15	220	Ophthalmoscope Direct	4	直接検査眼鏡	2	replace
Ophthalmoscope Direct	1981	X	15						
Ophthalmoscope Direct	1982		14						
Ophthalmoscope Direct	1982		14						
Ophthalmoscope Direct	1982		14						
Ophthalmoscope Indirect	1982		14	221	Ophthalmoscope Indirect	1	間接検査眼鏡	1	replace
Perimeter Manual	1982		14	222	Perimeter Automatic	1	視野計	1	replace
Retinoscope	1981	X	15	223	Retinoscope (Skiascope)	2	眼底鏡	1	
Retinoscope (Skiascope)	1982		14	224	Retinoscope	1			
Retinoscope (Skiascope)	1982	X	14						
Slit Lamp	1978	X	18	224	Slit Lamp	6	スリットランプ	1	replace
Slit Lamp	1981	X	15						
Slit Lamp	1982		14						
Slit Lamp	1982		14						
Slit Lamp	1982		14						
Tral Lens Set Ophthalmic	1986		10	225	Tral Lens Set Ophthalmic	1	眼科試験レンズセット	1	replace
Crossurgical Unit Ophthalmic	1986		10	226	Crossurgical Unit Ophthalmic	1			
				227	Electro-retinograph				
				228	Laser Ophthalmic Argon				
				229	Laser Ophthalmic Nd:Yag				
				230	Microscope Operating				
				232	Scanner Ultrasonic Ophthalmic A/B				
Anesthesia Unit	1988		8	214	Anesthesia Unit	1			

84	眼科検査台	Ophthalmic Diagnostic Table Unit	1	New
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X : Out of order
-> : Under installation

Total 12

Comparison sheet Existing/Request/Planned eq.

05. Emergency

Status of Existing Equipment	Inst. Status	yr old	No.	Request	Design plan	Qty	Note
Light Examination	1990	Emergency Dep	6	81 Light Examination	Examination Light	3	Add
Table Operating	1992	Emergency Dep	4	82 Operation Table/General			
Radiographic Unit General Purpose	1990	Emergency Dep	6	84 Radiographic Unit General purpose	Radiographic Unit General Purpose	1	Replace
Radiographic Unit General Purpose	1990	Emergency Dep	6	85 Sterilizing Unit Dry Heat	Sterilizing Unit Dry Heat	1	Add
Radiographic Unit General Purpose	1990	Emergency Dep	6	86 X-ray film Processor			
Sterilizing Units Dry Heat	1990	Emergency Dep	5				
Sterilizing Units Dry Heat	1991	Emergency Dep	5				
X-ray film processor	1990	Emergency Dep	6				
Anesthesia Unit	1992	Emergency Dep	4				
Defibrillator / Monitor	1992	Emergency Dep	4				
Electrocardiograph Single Channel	1990	Emergency Dep	6				
Radiographic Unit Mobile	1992	Emergency Dep	4				
Suction Unit Aspirator	1991	Emergency Dep	5				
Blood Gas Analyzer	1995	ICU Emergency	1				
Defibrillator / Monitor	1995	ICU Emergency	1				
Electrocardiograph Single Channel	1995	ICU Emergency	1				
Electrocardiograph Single Channel	1995	ICU Emergency	1				
Electrocardiograph Single Channel	1995	ICU Emergency	1				
Electrocardiograph Single Channel	1995	ICU Emergency	1				
Oximeter Pulse	1995	ICU Emergency	1				
Oximeter Pulse	1995	ICU Emergency	1				
Scanner Ultrasonic General Purpose	1995	ICU Emergency	1				
Spectrophotometer Visible	1990	ICU Emergency	6				
Suction Unit Aspirator	1995	ICU Emergency	1				
Suction Unit Aspirator	1995	ICU Emergency	1				
Ventilator	1994	ICU Emergency	2				
Ventilator	1995	ICU Emergency	1				
Bath Water laboratory	1992	LAB Emergency	4				
Centrifuge Microhematocrit	1991	LAB Emergency	5				
Centrifuge Microhematocrit	1992	LAB Emergency	4				
Centrifuge Microhematocrit	1993	LAB Emergency	3				
Centrifuge Table Top	1994	LAB Emergency	2				
Clinical Chemistry Analyzer Automated	1991	LAB Emergency	3				
Clinical Chemistry Analyzer Automated	1995	LAB Emergency	1				
Electrolyte Analyzer Flame photometer	1991	LAB Emergency	5				
Glucose Analyzer	1991	LAB Emergency	5				
Microscope Laboratory	1991	LAB Emergency	5				
Mixer Clinical Lab	1991	LAB Emergency	5				
Refrigerator Lab	1992	LAB Emergency	4				
Sterilizing Units Dry Heat	1991	LAB Emergency	5				

X : Out of order

Total 18

13 ベッドサイドモニター	Bedside Monitor	4	Add for
123 人工呼吸器	Ventilator	1	extension
115 シリンジポンプ	Syringe Pump	4	of E.m
66 輸液ポンプ	Infusion Pump	4	Dep.

06. Chest Surgery

Comparison sheet Existing/Request/Planned eq.

Status of Existing Equipment			Request			Design plan		
Equipment	Inst	Status, yr old	No.	Qty	No.	Qty	Note	Note
Ventilator	1990	6	60 Lung Function Testing Equipment 60 肺功能診斷裝置	1	73 肺功能診斷裝置	1	replace	replace
			60 肺功能診斷裝置					
			01 Chest Disease Dept. Bronchoscope					
			02 Chest Disease Dept. Bronchoscope					
			02 Chest Disease Dept. Bronchoscope					
Cold Light Source	1990	6						

131 氣管支鏡	Bronchoscope	1	New
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Total 2

07. Laboratory

Comparison sheet Existing/ Request/ Planned eq.

Status of Existing Equipment		B/D Minute		Design plan		equipment		Qty		Note	
Equipment	Inst.	Status	yr. old	No.		No.					
Aurumac Biochemical Analyzer	1985	X	1	52	Constant Temperature Circulating Bath	B	29	定温循環水槽			replace
Balance	1981		15	53	Electrolyte Analyzer Na,K,Cl at least	A	44	陽離子分析装置(Na,K,Cl)			replace
Bath Water laboratory	1980		16	54	High Precision Analytical Balance	B	61	精密天秤			2 replace
Bath Water laboratory	1985		11	55	Laboratory Autoclave	B	69	検査室用滅菌器			replace
Centrifuge Table Top	1982		14	48	Spectrophotometer U.V./Visible	A	107	分光光度計			replace
Centrifuge Table Top	1986	X	10	49	Automatic Diluter	B	81	稀释器			New
Centrifuge Table Top	1986	X	10	50	Automatic Pipette	B	92	マイクロピペットモジュール			New
Centrifuge Table Top	1986	X	10	57	Water Demineralizer	B	128	軟水化装置			New
Centrifuge Table Top	1985	X	11	58	Automatic Urinalysis Device	B					
Centrifuge Table Top	1985	X	11	56	Osmometer	B					
Centrifuge Table Top	1992		4								
Clinical chemistry Analyzer Automated	1990		6								
Distilling Unit	1990		6								
Electrolyte Analyzer	1989		7								
Glucose Analyzer	1982		14								
Haematology Analyzer Automated	1994		2								
Microscope Laboratory	1980	X	16								
Microscope Laboratory	1981	X	15								
Microscope Laboratory	1986		10								
Microscope Laboratory	1990		6								
Microscope Laboratory	1991		5								
Spectrophotometer Visible	1990		6								
Sterilizing Units Dry Heat	1987		9								
Spectrophotometer Visible	1975	X	21								
Spectrophotometer Visible	1975		21								
Spectrophotometer Visible	1975		21								
Spectrophotometer Visible	1975		21								
Spectrophotometer Visible	1992		4								
Spectrophotometer Visible	1992		4								
Spectrophotometer Visible	1992		4								
Sterilizing Units Dry Heat	1986		10								
Sterilizing Units Dry Heat	1991		5								

Total 9

Status of Existing Equipment		B/D Minute		Design plan		equipment		Qty		Note	
Equipment	Inst.	Status	yr. old	No.		No.					
Balance	1976		20	45	Centrifuge, Tabletop	A	25	卓上型遠心機			replace
Centrifuge Table Top	1975		21	46	Distilling Unit	A	38	蒸留水装置			2 Add
Centrifuge Table Top	1976		20		Constant Temperature Circulating Bath		29	定温循環水槽			New
Counter Colony	1990		6		Laboratory Autoclave		69	検査室用滅菌器			New
Incubators Lab Thermocycling	1992		4								
Microscope Laboratory	1991		5								
Microscope Laboratory	1991		5								
Sterilizing Units Dry Heat	1992		4								
Sterilizing Units Vapor	1986		10								
Sterilizing Units Vapor	1988	X	8								

Total 5

Comparison sheet Existing/Request/Planned eq.

病理検査室 (Pathology)

Status of Existing Equipment		B/D Manual		Design plan		Qty	Note
Equipment	Year	No.	Status: Y/O	No.	Equipment		
Balance Electronic	1976	113		A	Balance Electronic	2	replace
Balance Mechanical	1972	24	X	A	Bath Paraffin	1	replace
Bath Paraffin Physical Therapy	1979	17		B	Binocular Microscope	1	replace
Bath Water Laboratory	1985	11		B	Constant Temperature Circulating Bath	1	replace
Centrifuge Table Top	1990	6		B	Deep Freezer	2	replace
Knife Sharpener Section	1985	11		B	High Precision Analytical Balance	1	replace
Microscope Laboratory	1977	19		B	Histology Staining Station	1	replace
Microscope Laboratory	1981	5		B	Laboratory Autoclave	1	replace
Microscope Laboratory	1976	20		B	Microtome (Rotary)	1	replace
Microtome Cryostat	1977	19		B	Microtome (Sledge)	1	replace
Microtome Cryostat	1985	11		A	Microtome Cryostat	1	replace
Shaker Lab	1976	20		B	Paraffin Oven	1	replace
Slides Heater	1987	9		B	Pipette Set	1	replace
Slides Heater	1987	9		B	Pipette Washer	1	replace
Sterilizing Units Dry Heat	1981	15		B	Shaker for Tissue Fixation	1	replace
Sterilizing Units Dry Heat	1983	13		B	Slide Warmer	1	replace
Tissue Processor	1985	11		B	Tissue Processor	1	replace
				A	Wax Dispenser	1	replace
					Total		20

免疫検査室 (Immunology)

Status of Existing Equipment		B/D Manual		Design plan		Qty	Note
Equipment	Year	No.	Status: Y/O	No.	Equipment		
Shaker Lab	1980	16	X	A	Binocular Microscope	1	replace
Sterilizing Units Dry Heat	1986	10		B	Constant Temperature Circulating Bath	2	replace
Sterilizing Units Dry Heat	1988	8		B	High Precision Analytical Balance	2	New
Microscope Laboratory	1976	20	X	B	Laboratory Autoclave	1	New
Centrifuge Table Top	1992	4		B	Automatic Pipette	1	New
				A	Sterilizing Unit Dry Heat	1	New
				B	Automatic Staining Device		
				B	Pipette Washer/Dryer		
					Total		8

血液学検査室 (Blood Test)

Status of Existing Equipment		B/D Manual		Design plan		Qty	Note
Equipment	Year	No.	Status: Y/O	No.	Equipment		
Centrifuge Table Top	1987	9		B	Binocular Microscope	1	replace
Bath Water Laboratory	1986	10		B	Blood Cell Counter	1	replace
Centrifuge Microhematocrit	1986	10		B	Centrifuge Hematocrit	1	replace
Centrifuge Microhematocrit	1991	5		B	Coagulometer	1	replace
Counter Cell	1992	4		B	Constant Temperature Circulating Bath	2	replace
ECC Monitor	1977	19	X	B	High Precision Analytical Balance	2	replace
Electrocardiograph	1992	4		B	Laboratory Autoclave	1	replace
Haematology Analyzer	1995	1	X	B	Laboratory Autoclave	1	replace
Microscope Laboratory	1976	20		B	Pipette Set	1	replace
Microscope Laboratory	1981	15		B	Distilling Unit	1	New
Microscope Laboratory	1982	14	X	B			
Microscope Laboratory	1983	13		B			
Microscope Laboratory	1986	10		B			
Microscope Laboratory	1986	10		B			
Microscope Laboratory	1986	10	X	B			
Microscope Laboratory	1988	8		B			
Microscope Laboratory	1990	6		B			
Microscope Laboratory	1991	5		B			
Shaker Lab	1976	20	X	B			
Spectrophotometer Visible	1975	21		B			
Sterilizing Units Dry Heat	1986	10		B			
					Total		17

Comparison sheet Existing / Request / Planned eq.
血液銀行 (Blood Test)

07. Laboratory

Status of Existing Equipment		B/D Minute		Design plan		equipment		
Inst.	Status	yr old	No.	No.	Q'ty	Note	Q'ty	Note
16	1980	X	60	23	1	replace	1	replace
16	1980	X	61	25	1	replace	1	replace
14	1982	X	64	29	2	replace	2	replace
14	1982	X	66	69	1	replace	1	replace
21	1975	X	59	98	2	replace	2	replace
21	1975	X	65	61	1	New	1	New
21	1975	X	62	92	1	New	1	New
19	1977		57					
19	1977		58					
19	1977		63					

Total 9

ホルモン検査室 (Hormon)

Status of Existing Equipment		B/D Minute		Design plan		equipment		
Inst.	Status	yr old	No.	No.	Q'ty	Note	Q'ty	Note
17	1979	X	87	81	1	replace	1	replace
16	1980	X	85	24	1	replace	1	replace
16	1980	X	86	25	1	replace	1	replace
2	1993		88	64	1	replace	1	replace
17	1979	X	89	79	1	replace	1	replace
16	1980	X	80	91	1	New	1	New
20	1976		81	29	2	New	2	New
16	1980	X	82	61	2	New	2	New
16	1980	X	83	69	1	New	1	New
			79	92	1	New	1	New

Total 12

電気泳動室 (Electrophoresis)

Status of Existing Equipment		B/D Minute		Design plan		equipment		
Inst.	Status	yr old	No.	No.	Q'ty	Note	Q'ty	Note
15	1981	X	68	45	1	replace	1	replace
14	1982							

Total 1

Total 81

Comparison sheet Existing/Request/Planned eq.

08. Sterilization

Status of Existing Equipment		B/D Minute			Design plan			
Equipment	Inst	Status	yr old	No.	equipment	No.	Q'ty	Note
				282	Automatic Gas Sterilizer	Sterilization Dep	1	Based on Renovation plan
				283	Endoscopic Unit/Bottle Washer and Disinfectant	Sterilization Dep	1	
				284	Endoscopic Unit	Sterilization Dep	1	
				285	Control Sterilization Pump	Sterilization Dep	1	
Sterilizing Units Vapor	1989	X	7	287	High Speed Sterilizer	Sterilization Dep	8	
Sterilizing Units Vapor	1989	X	7	288	Laboratory Sterilizer for the sterility	Sterilization Dep	1	
Sterilizing Units Vapor	1989	X	7	293	Water Boiler/Sterilizer	Sterilization Dep	5	
Sterilizing Units Vapor	1989	X	7	286	Dry Heat Sterilizer	Sterilization Dep	5	
				290	UV Door Barrier Fixture	Sterilization Dep	1	
				291	Ultrasonic Cleaner	Sterilization Dep	1	
				292	washing Machine for Instrument	Sterilization Dep	1	
				55	ガス滅菌器	Gas Sterilizer	1	
				62	高圧蒸気滅菌器	High Pressure Steam Sterilizer	3	
				121	超音波洗浄器	Ultrasonic Cleaner	1	
				127	器具用洗浄機	Washing Machine for Instrument	1	

X : Out of order

136	医療廃棄物消毒器	Disinfectant for Medical waste	1	Ditto
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Total 7

Comparison sheet Existing/Request/Planned eq

Status of Existing Equipment		Request		Planned	
Inst.	Status	No.	1/10 Minute	No.	1/10 Minute
16	1980	60	Centrifuge Microhematocrit	A	Centrifuge Microhematocrit
16	1980	61	Centrifuge Tabletop	B	Centrifuge Tabletop
14	1982	62	Constant Temperature Circulating Bath	B	Constant Temperature Circulating Bath
14	1982	66	Laboratory Autoclave	B	Laboratory Autoclave
21	1975	59	Refrigerator Blood Bank	A	Refrigerator Blood Bank
21	1975	68	High Precision Analytical Balance	B	High Precision Analytical Balance
19	1977	62	Automatic Pipette	B	Pipette Set
19	1977	57	Sterilizing Unit Vapor	A	
19	1977	58	Distilling Unit	A	
19	1977	67	Pipette Washer/Dryer	B	
		63	Automatic Titration Device	B	

Total 9

Status of Existing Equipment		Request		Planned	
Inst.	Status	No.	1/10 Minute	No.	1/10 Minute
17	1979	87	Diluter	A	Automatic Diluter
16	1980	83	Centrifuge Refrigerated	A	Centrifuge Refrigerated
16	1980	86	Centrifuge Table top	A	Centrifuge Tabletop
2	1994	88	Incubator Laboratory Thermocycling	A	Incubator Laboratory Thermocycling
17	1979	89	Mixer Clinical Laboratory	A	Mixer Clinical Laboratory
16	1980	80	Automatic Titration Device	B	Automatic Titration Device
20	1976	81	Constant Temperature Circulating Bath	B	Constant Temperature Circulating Bath
16	1980	82	High Precision Analytical Balance	B	High Precision Analytical Balance
16	1980	83	Laboratory Autoclave	B	Laboratory Autoclave
		79	Automatic Pipette	B	Pipette Set
		84	Pipette Washer/Dryer	B	

Total 12

Status of Existing Equipment		Request		Planned	
Inst.	Status	No.	1/10 Minute	No.	1/10 Minute
19	1981	68	Electrophoresis Equipment	B	Electrophoresis Equipment
14	1982		Stenilizing Units Dry Heat		

Total 1

Total 81

Comparison sheet Existing/Request/Planned eq.

08. Sterilization

Status of Existing Equipment		1/1/0 Minute		Planned plan		
Equipment	Inst. Status yr old	No.		No.	Qty	Note
			Sterilization Dep	1	1	Based on Renovation Plan
		282 Automatic Gas Sterilizer	Sterilization Dep	1	1	
		283 Bedpan & Urin Bottle Washer and Disinfecter	Sterilization Dep	16		
		284 Bed Disinfection Plant	Sterilization Dep	1		
Sterilizing Units Vapor	1989 N	7	Sterilization Dep	1		
Sterilizing Units Vapor	1989 X	7	Sterilization Dep	8		
Sterilizing Units Vapor	1989	7	Sterilization Dep	1		
Sterilizing Units Vapor	1989 X	7	Sterilization Dep	5		
Sterilizing Units Vapor	1989	7	Sterilization Dep	5		
		285 Central Sterilization Plant	Sterilization Dep	14		
		287 High Speed Sterilizer	Sterilization Dep	1		
		288 Laboratory Sterilizer for Bacteriology	Sterilization Dep	1		
		293 Water Boiler/Sterilizer	Sterilization Dep	5		
		286 Dry Heat Sterilizer	Sterilization Dep	5		
		290 UV Door Barrier Fixtures	Sterilization Dep	1		
		291 Ultrasonic Cleaner	Sterilization Dep	1		
		292 Washing Machine for Instrument	Sterilization Dep	1		

X : Out of order

136 消毒器及洗滌器 Disinfecter for Medical waste

Total 7

Comparison sheet Existing/Request/Planned eq.

Status of Existing Equipment		8/D Minute		Design plan		
Equipment	Inst. Status/yr old	No.		No.	equipment	Note
Chair Dental	1981	15	63 Chair Dental with Accessories Dentofacial Surgery Dep	1	36 デンタルチェアユニット Dental Chair Unit	1 replace
			64 Electrosurgical Unit General Purpose Dentofacial Surgery Dep	1	46 歯科用電気メス Electrosurgical Unit Dental	1 replace
Radiographic Unit Dental	1990	X 6	65 Radiographic Unit Dental Dentofacial Surgery Dep	1	132 歯科用X線装置 Dental X-ray Unit	1 replace
Sterilizing Units Dry Heat	1981	15	66 Sterilizing Unit Dry Heat Dentofacial Surgery Dep	3		
Sterilizing Units Dry Heat	1981	15				
Sterilizing Units Dry Heat	1990	6				
Sterilizing Units Dry Heat	1990	6				
Suction Unit Aspirator	1981	15	67 Suction Unit Aspirator Dentofacial Surgery Dep	2		
Glucose Analyzer	1986	10	68 Suction Unit Aspirator Dentofacial Surgery Dep	1		

X : Out of order

Total 3

Comparison sheet Existing/Request/Planned eq.

10. E.N.T.

Status of Existing Equipment		B/D Minute		Design plan		
Equipment	Inst. Status	yr old	No.	No.	equipment	
Audiometer	1978 ENT Clinic	18	69 Audiometer	1 ENT Clinic	オーディオメーター Audiometer	
Audiometer	1978 ENT Clinic	18				
Audiometer	1993 ENT	3				
Audiometric Booth	1978 ENT Clinic	18	70 Audiometric Booth	ENT Clinic		
Microscope Operating	1975 ENT Clinic	21	71 Microscope Operating	1 ENT Clinic	74 拡大鏡 Magnifier	
Microscope Operating	1993 ENT	3				
Suction Unit Aspirator	1988 ENT Clinic	8	72 Suction Unit Aspirator	ENT Clinic		
Suction Unit Aspirator	1993 ENT	3				
			73 ENT Treatment Unit	3 ENT Clinic	50 耳鼻咽喉科治療ユニット ENT Treatment Unit	
			74 Microscope	ENT Clinic		
			75 Pediatric Audiometer	ENT Clinic		
			76 Surgical Laser ENT	ENT Clinic		
ENG	1991 ENT	5				
ENT Accessories	1991 ENT	5				
ENT Accessories	1991 ENT	5				
Sterilizing Units Dry Heat	1992 ENT	4				
ENT Examination Microscope/ Mobile	1995 -> ENT Clinic	1				
-> : Under installation					Total	3

Comparison sheet Existing/Request/Planned eq.

Status of Existing Equipment		Inst. Status/Model No.		Eg'd Model		Proposed plan		Name		
Chair Dental	1981	15	65 Chair Dental with Accessories	Dentofacial Surgery Dep	1	66 72 9 2 2 1 3 2 1 1 5	Dental Chair Unit	1	replace	
Radio-graphic Unit Dental	1980	6	65 Electrosurgical Unit General Purpose	Dentofacial Surgery Dep	1	66 20 4 1 1 1 1 2 2 2 2	Electrosurgical Unit Dental	1	replace	
Sterilizing Units Dry Heat	1981	15	65 Radiographic Unit Dental	Dentofacial Surgery Dep	1	1 1 2 6 6 1 1 1 1 2 2 2 2 2 2 2 2	Dental X ray Unit	1	replace	
Sterilizing Units Dry Heat	1981	15	66 Sterilizing Unit Dry Heat	Dentofacial Surgery Dep	3					
Sterilizing Units Dry Heat	1980	6								
Sterilizing Units Dry Heat	1980	6								
Suction Unit Aspirator	1981	15	67 Suction Unit Aspirator	Dentofacial Surgery Dep	2					
Gillease Analyzer	1980	10	68 Suction Unit Aspirator	Dentofacial Surgery Dep	1					

* : Out of order

Total

Comparison sheet Existing/Request/Planned eq.

10. E.N.T.

Status of Existing Equipment		30/3 Minute		Equipment	
Inst. Status	At old No	ENT Clinic	ENT Clinic	No.	Equipment
1978	18	ENT Clinic	ENT Clinic	6	Audiometer
1978	18	ENT Clinic		7	Audiometer
1983	3	ENT		8	Audiometer
1978	19	ENT Clinic	ENT Clinic	1	Audiometric Booth
1978	21	ENT Clinic	ENT Clinic	1	Microscope Operating
1993	3	ENT		74	Microscope
1988	8	ENT Clinic	ENT Clinic	1	Suction Unit Aspirator
1993	3	ENT			Suction Unit Aspirator
			ENT Clinic	3	ENT Treatment Unit
			ENT Clinic	2	Fiber optic Laryngoscope
			ENT Clinic	1	Pediatric Audiometer
			ENT Clinic	1	Surgical Laser ENT
1991	3	ENT			ENT
1991	3	ENT			ENT Accessories
1991	3	ENT			ENT Accessories
1992	3	ENT			Stethoscope
1998	3	ENT Clinic			ENT Examination Microscope/Mobile
Total					ENT Treatment Unit

S : Under installation

Comparison sheet Existing/Request/Planned eq.

11. Pediatric

Status of Existing Equipment	Inst	Status yr old	No.	Request	No.	Design plan	Note
			259	259: Blood Monitoring System/Arterial Channel	Pediatric Dep		
			260	Blood Exchange Incubator	Pediatric Dep	1	Blood Warmer
			261	Blood Gas Analyzer	Pediatric Dep	1	
Glucose Analyzer	1986	10	262	Glucose Analyzer	Pediatric Dep	1	57: グルコース分析計
			263	Head Box	Pediatric Dep	10	58: 小児用頭部保護キャップ
Incubator	1986	10	264	Incubator	Pediatric Dep	14	
Incubator	1990	6					
Incubator	1990	6					
Incubator	1990	6					
Incubator	1990	6					
Incubator	1990	6					
Incubator	1990	6					
Incubator	1990	6					
Incubator	1990	6					
Incubator	1990	6					
Incubator	1990	6					
Incubator	1990	6					
Incubator	1990	6					
Incubator	1990	6					
Incubator	1990	6					
Incubator	1990	6					
Incubator	1990	6					
Incubator	1990	6					
Light Examination	1988	8	265	Lab Equipment / Glucose Measurement Unit	Pediatric Dep		
			266	Light Examination	Pediatric Dep	1	52: 診察灯
			267	Nebulizer	Pediatric Dep	4	82: ネブライザ
			268	Neonatal Ventilator Unit	Pediatric Dep	8	124: 新生児用人工呼吸器
			269	Pulse Oximeter	Pediatric Dep	3	95: パルスオキシメータ
			270	Upper & Lower Endoscopy System with Camera	Pediatric Dep		
Bilirubinometer	1993	3					
Centrifuge Microhematocrit	1991	5					
Electrocardiograph Single Channel	1992	X					
Microscope Laboratory	1993	3					
Scale Infant	1991	5					
Sterilizing Unit Ultraviolet Light Ultraviolet Germicidal	1991	5	289	Stream Sterilizer for Biorooms	Sterilization Dep	5	124: 開孔滅菌器
Sterilizing Unit Ultraviolet Light Ultraviolet Germicidal	1991	5					
Sterilizing Unit Ultraviolet Light Ultraviolet Germicidal	1994	2					
Sterilizing Unit Ultraviolet Light Ultraviolet Germicidal	1994	2					
Sterilizing Units Dry Heat	1993	3					
Sterilizing Units Dry Heat	1993	3					

X : Out of order

Total 27

Comparison sheet Existing/Request/Planned eq.

12. Cardio Surgery

Status of Existing Equipment		Request		Design plan		
Equipment	Inst	Status yr. old	No.	No.	equipment	Note
Scanner Ultrasonic Cardiac	1990	6	56 Echo Colored Cardiac / Doppler / 3D	1	101 心臓用超音波診断装置	Scanner Ultrasonic Cardiac
Scanner Ultrasonic General Purpose	1990	6	57 Scanner Ultrasonic General Purpose	1	心臓用超音波診断装置	1 Add
Sterilizing Units Dry Heat	1982	14	58 Sterilizing Unit Dry Heat			
Sterilizing Units Vapor	1974	22	59 Sterilizing Unit Dry Heat			
			52 Electrocardiograph, 12 channel /with Analyzer	1	42 心電計	Electrocardiograph
			53 Defibrillator/ Monitor/ with non invasive pacemaker	2	35 除細動器	Defibrillator
			55 Ventilator	1		

X : Out of order

Total 3

Comparison sheet Existing / Request / Planned eq

1. Pediatric

Category	Model	Year	Quantity	Remarks	Department	Equipment	Notes	
Glucose Analyzers	259 S Bed Monitoring System / Multi Channel		1		Pediatric Dep			
	260 Blood Pressure Incubator		1		Pediatric Dep	Blood Warmer	1 New	
	261 Blood Gas Analyzer		1		Pediatric Dep			
	262 Glucose Analyzer	1989	10		Pediatric Dep	Glucose Analyzer	1 New	
	263 Head Box		10		Pediatric Dep	Head Box		
	264 Incubator	1986	10		Pediatric Dep			
	Incubator	1990	6					
	Incubator	1991	6					
	Incubator	1991	6					
	Incubator	1991	6					
	Incubator	1991	6					
	Incubator	1991	6					
	Incubator	1991	6					
	Incubator	1991	6					
Lab Equipment / Glucose Hemoglobin Urea	265		1		Pediatric Dep			
	266 Light Examination	1988	8		Pediatric Dep	Examination Light	1 Add	
	267 Nebulizer		4		Pediatric Dep	Nebulizer	4 New	
	268 Neonatal Ventilator Unit		8		Pediatric Dep	ventilator neonatal	4 New	
	269 Pulse Oximeter		3		Pediatric Dep	Pulse Oximeter	4 New	
	270 Upper & Lower Endoscopy System with Camera		1		Pediatric Dep			
	Sterilizing Units	Bilirubinometer	1993	3				
		Centrifuge Microhematocrit	1991	8				
		Electrocardiograph Single Channel	1992	4				
		Microscope Laboratory	1993	3				
Scale Infant		1991	4					
Sterilizing Unit Ultraviolet Light Ultraviolet Germicidal		1991	5		Sterilization Dep	Sterilizer for Nursing Bottle	2 New	
Sterilizing Unit Ultraviolet Light Ultraviolet Germicidal		1991	5					
Sterilizing Unit Ultraviolet Light Ultraviolet Germicidal		1994	2					
Sterilizing Unit Ultraviolet Light Ultraviolet Germicidal		1994	2					
Sterilizing Units Dry Heat		1993	3					
Sterilizing Units Dry Heat		1993	3					
Total							27	

1: Out of order

Comparison sheet Existing / Request / Planned eq.

12. Cardio Surgery

Status of Existing Equipment	Inst. Status yr old	No.	Request	No.	Design plan	Note
Scanner Ultrasonic Cardiac	1990	6	46) Echo Colored / Doppler / 3D	1	CCU Dep.	
Scanner Ultrasonic Cardiac	1990	6	56) Echo Colored Cardiac / Doppler / 3D	1	Cardiovascular Surgery Dep.	101 心臟超音波彩色裝置 Scanner Ultrasonic Cardiac
Scanner Ultrasonic General Purpose	1990	6	58) Scanner Ultrasonic General Purpose	1	Cardiovascular Surgery Dep.	
Sterilizing Units Dry Heat	1982	14	57) Item Aortic Balloon Pump	2	Cardiovascular Surgery Dep.	
Sterilizing Units Vapor	1974	22	59) Sterilizing Unit Dry Heat	1	Cardiovascular Surgery Dep.	
			52) Electrocardiograph, 12 channel / with Analyzer	1	Cardiology Clinic	42 心電圖機 Electrocardiograph
			53) Defibrillator/ Monitor/ with non invasive pacemaker	2	Cardiology Dep.	35 除顫器 Defibrillator
			55) Ventilator	1	Cardiology Dep.	

* : Out of order

Total

3

Status of Existing Equipment	Inst	Status	yr old	Request		Design plan		Note
				No.	Request	No.	equipment	
Light Examination	1990	X	6	201 EEG/Multiple channel	Neurosurgery Ward	1	41 脳波計	1 New
Light Examination	1990		6	207 Light Examination	Neurosurgery Ward	3	52 診察灯	1 replace
Light Examination	1990		6					

X : Out of order

Total 2

Comparison sheet Existing/Request/Planned eq.

Status of Existing Equipment	Request	Design plan	Note
Equipment	Request	equipment	
Inst	Status yr old	No.	
No.			
24 Anesthesia apparatus	Burns Plastic Surgery Dep		
25 Aspirator	Burns Plastic Surgery Dep		
26 Burns Bath	Burns Plastic Surgery Dep	18 熱傷浴槽	Burns Bath 1
27 Computer Apparatus	Burns Plastic Surgery Dep		
31 Phisiother Bed	Burns Plastic Surgery Dep		
32 Lab for Bacteriology	Burns Plastic Surgery Dep		
33 Lab for Hormones Measurement	Burns Plastic Surgery Dep		
34 Lab for Pathology	Burns Plastic Surgery Dep		
35 Lower air loss Bed	Burns Plastic Surgery Dep	72 エアベッド	Lower Air loss Bed 3
37 Operating Light	Burns Plastic Surgery Dep		
38 Operating Table	Burns Plastic Surgery Dep		
39 Plastic Surgery Set	Burns Plastic Surgery Dep		
38 Sterilizer Dry heat	Burns Plastic Surgery Dep		
36 Sterilizer Rayo mist	Burns Plastic Surgery Dep		
40 Sterilizer Room	Burns Plastic Surgery Dep		
41 Ventilator	Burns Plastic Surgery Dep		

51 皮膚用冷蔵庫 Refrigerator for Skin Bank 1

Total 5

Status of Existing Equipment		Request		Design plan		Note	
Equipment	Year	Status	Model No	Request	No	Design plan	Note
Light Examination	1990	x	204 ECG/Multiple channel	Neurosurgery Ward	1	ECG	1 New
Light Examination	1990		207 Light Examination	Neurosurgery Ward	3	Examination Light	1 replace
Light Examination	1990						

Out of order

Total 2

Comparison sheet Existing/Request/Planned eq.

Status of Existing Equipment		Request		Design plan		
Inst	Status	Inst	Status	No	Note	
		24	Acesthesia apparatus	Burns Plastic Surgery Dep	1	
		25	Aspirator	Burns Plastic Surgery Dep	1	
		26	Burns Bath	Burns Plastic Surgery Dep	1	18 沐浴槽 Burns Bath
		27	Coagulator Apparatus	Burns Plastic Surgery Dep	1	
		31	Fleischman Bed	Burns Plastic Surgery Dep	2	
		32	Lab for Bacteriology	Burns Plastic Surgery Dep	1	
		33	Lab for Hormons Measurement	Burns Plastic Surgery Dep	1	
		34	Lab for Pathology	Burns Plastic Surgery Dep	1	
		35	Lower air loss Bed	Burns Plastic Surgery Dep	6	72 空気ろ過床 Lower Air loss Bed
		37	Operating Light	Burns Plastic Surgery Dep	2	
		38	Operating Table	Burns Plastic Surgery Dep	1	
		39	Plastic Surgery Set	Burns Plastic Surgery Dep	5	
		28	Sterilizer Dry heat	Burns Plastic Surgery Dep	4	
		36	Sterilizer large moist	Burns Plastic Surgery Dep	2	
		40	Sterilizer Room	Burns Plastic Surgery Dep	1	
		41	Ventilator	Burns Plastic Surgery Dep	4	

51 冷蔵庫 Refrigerator for Skin Bank

Total

18. Urology

Comparison sheet Existing/Request/Planned eq.

Status of Existing Equipment		Request		Design plan	
Equipment	Inst. Status	No.	No.	equipment	Note
Scanner Ultrasonic General Purpose	1988 Urology Clinic	8 313 Scanner Ultrasonic General purpose	1 102 超声波诊断装置	Scanner Ultrasonic General Purpose	1 replace
Sterilizing Units Dry Heat	1988 Urology Clinic	8 314 Sterilizing Unit Dry Heat	1 109 乾熱滅菌器	Sterilizing Unit Dry Heat	1 replace

Kidney Machine Hemodialysis units	1985 Artificial kidney unit	11 8 Kidney machine, Hemodialysis Unit	5 60 人工透析装置	Hemodialysis Unit	3 replace
Kidney Machine Hemodialysis units	1985 Artificial kidney unit	11			
Kidney Machine Hemodialysis units	1986 Artificial kidney unit	10			
Sterilizing Units Dry Heat	1981 Artificial kidney unit	15 9 Sterilizing Unit Dry Heat	1 109 乾熱滅菌器	Sterilizing Unit Dry Heat	1 replace
		20 Water Treatment Systems for Kidney Machines			

Total 6

Comparison sheet Existing/Request/Planned eq.

20. Morugue

Status of Existing Equipment			Request			Design plan		
Equipment	Inst	Status	yr old	No.		No.		Note
				188	Morgue Refrigerator	20	Morgue Unit	
				80	尸体冷藏庫		Morgue Refrigerator	1 New

Total 1

Comparison sheet Existing/Request/Planned eq.

18. Urology

Status of Existing Equipment		Request		Disposition	
Equipment	Inst. Status	Acctd. No.	No.	Equipment	Note
Scanner Ultrasonic General Purpose	1988	8	113	Scanner Ultrasonic General Purpose	replace
Sterilizing Units Dry Heat	1988	8	109	Sterilizing Unit Dry Heat	replace

Kidney Machine Hemodialysis units	1985	11	8	8 Kidney machine, Hemodialysis Unit	replace
Kidney Machine Hemodialysis units	1985	11			
Kidney Machine Hemodialysis units	1986	10			
Sterilizing Units Dry Heat	1981	15	9	9 Sterilizing Unit Dry Heat	replace
10 Water Treatment System for Kidney Machines					

Total 6

Comparison sheet Existing/Request/Planned eq.

20. Morogue

Status of Existing Equipment		Request		Design plan		
Equipment	Inst	Status	W/old	No.	equipment	Note
				20	Morgue Refrigerator	New
				188	Morgue Refrigerator	
				80	42/24/26 2005	
					Morgue Refrigerator	

Total: 1

Comparison sheet Existing/Request/Planned eq.

21. Physical therapy

Status of Existing Equipment		Request		Design plan		Note
Equipment	Inst. Status yr old	No.	Req.	No.	equipment	
Bath Paraffin Physical Therapy	1985	11	271 Bath Paraffin Clinical	1	12 理学療法用パラフィン浴槽	1 replace
Exercisers Neck	1984	X	272 Exerciser Neck	3	53 首訓練機	2 replace
Exercisers Neck	1985	11				
Heating Unit Hot Pack	1984	X	273 Heating Unit Hot Pack	2	59 ホットバック加温器	2 replace
Heating Unit Hot Pack	1985	11				
Light Infrared	1984	X	274 Light Infrared	1	65 赤外線灯	8 replace
Light Infrared	1984	X	275 Light Infrared			
Light Infrared	1984	X				
Light Infrared	1984	X				
Light Infrared	1984	X				
Light Infrared	1984	X				
Light Infrared	1984	X				
Light Infrared	1984	X				
Light Infrared	1984	X				
Light Infrared	1987	9				
Light Infrared	1987	9				
Light Infrared	1987	9				
Light Infrared	1987	9				
Light Infrared	1987	9				
Muscle Stimulator Neuromuscular	1980	16	276 Muscle Stimulator Stimulator Neuromuscular	1	81 筋肉刺激装置	3 replace
Muscle Stimulator Neuromuscular	1986	10	277 Muscle Stimulator Stimulator Neuromuscular			
Muscle Stimulator Neuromuscular	1986	10				
Ultrasound Unit Physical Therapy	1982	X	278 Short Wave Physical Therapy	1	104 低周波治療器	1 New
Ultrasound Unit Physical Therapy	1984	14	279 Ultra Sound Physical Therapy	2	122 超音波治療器	3 replace
Ultrasound Unit Physical Therapy	1984	12	281 Ultrasound Unit Physical Therapy			
Ultrasound Unit Physical Therapy	1984	12				
Conventional Equipment	1982	X				
Conventional Equipment	1982	14				
Conventional Equipment	1982	X				
Conventional Equipment	1982	14				
Conventional Equipment	1982	X				
Conventional Equipment	1982	14				
Conventional Equipment	1984	12				
Conventional Equipment	1984	X				
Conventional Equipment	1985	X				

X : Out of order

Total 20

Status of Existing Equipment		Request		Design plan		
Equipment	Inst	Status	old	No.	No.	Note
				318	Day Light X-ray Film Processor	
				319	Digital Subtraction Angiography (DSA)	
				320	General Screen/Alloy for purpose with film	
Radiographic Unit General Purpose	1985			2	132 X線透視攝影裝置	2 replace
Radiographic Unit General Purpose	1986			2		
X-ray Film processor	1988	X		1	自動現像装置	1 replace
X-ray Film processor	1991			5		
Automatic X-ray Film Processing Device	1995					
Automatic X-ray Film Processing Device	1995					
General Diagnostic X-ray Equipment (R & F)	1995	X				
Magnetic Resonance Imaging (MRI) Unit	1995					
Mobile X-ray Equipment	1995	X				
Mobile X-ray Equipment (C-Arm)	1995	X				
Radiographic/Fluoroscopic Unit General Purpose	1986					
Radiographic/Fluoroscopic Unit General Purpose	1995					
Scanner Computed Tomography Full Body	1992					
Scanner Ultrasonic General Purpose	1995	X				
X-ray Mammography Equipment	1995	X				
Total						3

X : Out of order

Comparison sheet Existing/Request/Planned eq.

Status of Existing Equipment		Request		Planned		Note
Inst.	Status	No.	Request	No.	Planned	
Bath Paraffin Physical Therapy	1985	11	271 Bath Paraffin Clinical	1	Bath Paraffin Clinical	replace
Exercisers Neck	1984 X	12	270 Bath Paraffin Physical Therapy	1		
Exercisers Neck	1985	11	272 Exerciser Neck	3	Exerciser Neck	2 replace
Heating Unit Hot Pack	1984	12	273 Heating Unit Hot Pack	2	Heating Unit Hot Pack	2 replace
Heating Unit Hot Pack	1985	11				
Light Infrared	1984	12	274 Light Infrared	1	Infrared Light	8 replace
Light Infrared	1984 X	12	275 Light Infrared	13		
Light Infrared	1984 X	12				
Light Infrared	1984 X	12				
Light Infrared	1984 X	12				
Light Infrared	1984	12				
Light Infrared	1984	12				
Light Infrared	1987	9				
Light Infrared	1987	9				
Light Infrared	1987	9				
Light Infrared	1987	9				
Light Infrared	1987	9				
Light Infrared	1987	9				
Muscle Stimulator Neuromuscular	1980	16	276 Muscle Stimulator Neuromuscular	1	Muscle Stimulator	3 replace
Muscle Stimulator Neuromuscular	1986	10	277 Muscle Stimulator Neuromuscular	2		
Muscle Stimulator Neuromuscular	1986	10				
Ultrasound Unit Physical Therapy	1982 X	14	278 Short Wave Physical Therapy	1	Short Wave Physical Therapy	1 New
Ultrasound Unit Physical Therapy	1984	12	279 Ultra Sound Physical Therapy	2	Ultrasound Physical Therapy	3 replace
Ultrasound Unit Physical Therapy	1984	12	281 Ultrasound Unit Physical Therapy	1		
Conventional Equipment	1982 X	14				
Conventional Equipment	1982	14				
Conventional Equipment	1982 X	14				
Conventional Equipment	1982	14				
Conventional Equipment	1982	14				
Conventional Equipment	1984	12				
Conventional Equipment	1984 X	12				
Conventional Equipment	1985 X	11				

X : Out of order

Total 20

Comparison sheet Existing/Request/Planned eq.

22. Radiology

Status of Existing Equipment	Request	Design plan	Note
Equipment	Inst. No.	Request No.	Equipment No.
Automatic X-ray Film Processing Device	1985	315 Day Light X-ray Film Processor	1
Automatic X-ray Film Processing Device	1985	316 Digital Subtraction Angiography (D.S.A.)	1
General Diagnostic X-ray Equipment (R & F)	1985	317 Gamma Camera/Multi purpose with Hot Lab	1
Magnetic Resonance Imaging (MRI) Unit	1985	318 Radiographic/Fluoroscopic Unit General Purpose	2
Mobile X-ray Equipment	1985	319 Radiographic Unit General Purpose	2
Mobile X-ray Equipment (C-Arm)	1985	320 X-ray Film Processor	1
Radiographic/Fluoroscopic Unit General Purpose	1986	4 Digital Subtraction Angiography (D.S.A.)	1
Radiographic/Fluoroscopic Unit General Purpose	1985	6 Echo / Doppler / Colored / 3D	1
Scanner Computed Tomography Full Body	1992	5 Echo / Doppler / Mobile	5
Scanner Ultrasound General Purpose	1995		
X-ray Mammography Equipment			

○ : Out of order

Total

Comparison sheet Existing/Request/Planned eq.

30. Operation Theater

Status of Existing Equipment		Request		Design plan			
Equipment	Inst. Status	yr old	No.	No.	equipment	QTY	Note
Table Operating	1986 O.T. Ophthalmology	10	233	1	Ophthalmology Dep	1	
Table Operating	1982 O.T. Thoracic Surgery	14	311	2	Thoracic Surgery Ward	12	unit / room
Table Operating	1982 O.T. Thoracic Surgery	14					
Table Operating	1988 O.T. Thoracic Surgery	11					
Table Operating	1988 O.T. Thoracic Surgery	8					
Table Operating	1990 O.T. Thoracic Surgery	6					
Table Operating	1990 O.T. Neuro-surgery	6	212	4	Neurosurgery Ward		
Table Operating	1990 O.T. Neuro-surgery	6					
Table Operating	1990 O.T. Neuro-surgery	6					
Table Operating	1990 O.T. Neuro-surgery	6					
Table Operating	1988 O.T. General	8	251	3	Orthopedic Operation Ward		
Table Operating	1992 O.T. General	4					
Table Operating	1992 O.T. General	4					
Table Operating	1992 O.T. General	4					
Table Operating	1992 O.T. General	4					
Head Light	1987 O.T. Ophthalmic	9	215	1	Ophthalmology-surgery Ward	12	unit / room
Head Light	1982 O.T. Thoracic Surgery	14	305	1	Thoracic Surgery Ward		
Head Light	1984 O.T. Thoracic Surgery	12					
Head Light	1988 O.T. Thoracic Surgery	8					
Head Light	1990 O.T. Thoracic Surgery	6					
Head Light	1990 O.T. Neuro-surgery	6	203	4	Neurosurgery Ward		
Head Light	1990 O.T. Neuro-surgery	6					
Head Light	1990 O.T. Neuro-surgery	6					
Head Light	1990 O.T. Neuro-surgery	6					
Head Light	1992 O.T. General	4	245	2	Orthopedic Operation Ward		
Head Light	1992 O.T. General	4					
Head Light	1992 O.T. General	4					
Head Light	1992 O.T. General	4					
Anesthesia Unit	1979 X O.T. Thoracic Surgery	17	302	3	Thoracic Surgery Ward		
Anesthesia Unit	1985 O.T. Thoracic Surgery	11					
Anesthesia Unit	1987 O.T. Thoracic Surgery	9					
Anesthesia Unit	1988 O.T. Thoracic Surgery	8					
Anesthesia Unit	1990 O.T. Thoracic Surgery	6					
Anesthesia Unit	1990 O.T. Neuro-surgery	6	199	6	Neurosurgery Ward		
Anesthesia Unit	1990 O.T. Neuro-surgery	6					
Anesthesia Unit	1990 O.T. Neuro-surgery	6					
Anesthesia Unit	1990 X O.T. Neuro-surgery	6					
Anesthesia Unit	1990 X O.T. Neuro-surgery	6					
Anesthesia Unit	1992 O.T. General	4					
Anesthesia Unit	1992 O.T. General	4					
Anesthesia Unit	1992 O.T. General	4					
Anesthesia Unit	1992 O.T. General	4					
Ventilator	1992 O.T. General	4					
Electrosurgical Unit General Purpose	1992 O.T. General	4	294	1	Electrosurgical Unit General Purpose	1	
Electrosurgical Unit General Purpose	1992 O.T. General	4					
Electrosurgical Unit General Purpose	1992 O.T. General	4					
Electrosurgical Unit General Purpose	1984 O.T. Thoracic Surgery	12	304	1	Electrosurgical Unit General Purpose	1	
Electrosurgical Unit General Purpose	1989 O.T. Thoracic Surgery	7					
Electrosurgical Unit General Purpose	1990 O.T. Neuro-surgery	6	202	3	Electrosurgical Unit General Purpose	3	
Electrosurgical Unit General Purpose	1990 O.T. Neuro-surgery	6					
Electrosurgical Unit General Purpose	1990 O.T. Neuro-surgery	6					
Electrosurgical Unit General Purpose	1990 O.T. Neuro-surgery	6	244	2	Electrosurgical Unit General Purpose	2	
Electrosurgical Unit General Purpose	1990 O.T. Neuro-surgery	6					

Comparison sheet Existing/Request/Planned eq.

30. Operation Theater

Status of Existing Equipment	Inst Status	Yr old	Request		Design plan		Note
			No.	Qty	No.	Qty	
54 ECG Monitor/Multi channel			8		40 心电图モニター	ECG Monitor	12 unit / room
243 Dialytor/Monitor							
1 Dialytor/Anatomical Extremal							
Suction Unit Aspirator	1990	O.T. Thoracic Surgery	6	310	Suction Unit Aspirator	Suction Unit	12 unit / room
Suction Unit Aspirator	1990	X O.T. Neuro-surgery	6	230	Suction Unit Aspirator	Neurosurgery Ward	
Suction Unit Aspirator	1990	X O.T. Neuro-surgery	6	230	Suction Unit Aspirator	Neurosurgery Ward	
Sterilizing Units Dry Heat	1992		4	299	Sterilizing Unit Dry Heat	Sterilizing Unit Dry Heat	3 unit / room
Sterilizing Units Dry Heat	1992		4				
Sterilizing Units Vapor	1992		4				
Sterilizing Units Vapor	1982	X O.T. Thoracic Surgery	14	199	Sterilizing Unit Vapor	Sterilizing Unit Vapor	
Sterilizing Units Dry Heat	1986	O.T. Thoracic Surgery	10	308	Sterilizing Unit Dry Heat	Thoracic Surgery Ward	
Sterilizing Units Dry Heat	1987	O.T. Thoracic Surgery	9	305	Sterilizing Unit Dry Heat	Thoracic Surgery Ward	
Sterilizing Units Dry Heat	1990	O.T. Thoracic Surgery	6				
Sterilizing Unit	1992	O.T. Thoracic Surgery	4				
Sterilizing Units Dry Heat	1990	O.T. Neuro-surgery	6	197	Sterilizing Unit Dry Heat	Neurosurgery Dep	
Sterilizing Units Dry Heat	1990	O.T. Neuro-surgery	6	208	Sterilizing Unit Dry Heat	Neurosurgery Ward	
					205 Sterilizing Unit Ultraviolet light	Neurosurgery Ward	
					250 Sterilizing Unit Ultraviolet light	General Operation ward	
					251 Sterilizing Unit Dry Heat	General Operation ward	
					252 Sterilizing Unit Ultraviolet light	Orthopedic Operation Ward	
					253 Sterilizing Unit Vapor	Orthopedic Operation Ward	
					254 Sterilizing Unit Vapor	Orthopedic Operation Ward	
Cast Cutter	1984	Orthopedic clinic	12	237	Drill air pressure	Orthopedic Operation Dep	each 1
					248 Saw Air pressure Oscillator	Orthopedic Operation Dep	
					256 Cast Cutter	Orthopedic Operation Dep	
					204 Hydraulic Surgical Microscope	Neurosurgery Ward	
					205 Koverton	Neurosurgery Ward	
Radio-graphic Unit Mobile	1990	X O.T. Neuro-surgery	6	208	Radio-graphic Unit Mobile	Neurosurgery Ward	
Radio-graphic/Fluoroscope Unit General Purp	1992	X O.T. General	4	148	Carta X-ray Apparatus	General Operation ward	
Radio-graphic Unit Mobile	1992	O.T. General	4	222	Carta X-ray Apparatus	General Operation ward	
					224 Radio-graphic Unit Mobile	Orthopedic Operation Ward	
					297 Radio-graphic/Fluoroscope Unit Mobile	Surgery Dep	
					29 Dermotome Electric	Burns Plastic Surgery Dep	
					300 Equipment for Skin Bank	Burns Plastic Surgery Dep	
					301 Surgical Endoscopy Set	Thoracic Operation Ward	
Bronchoscope	1983	O.T. Thoracic Surgery	13	305	Surgical Endoscopy Set	Thoracic Surgery Ward	
Bronchoscope	1983	O.T. Thoracic Surgery	13				
Bronchoscope (flexible)	1995	-> O.T. Thoracic Surgery	1		Cyloscope Without TUR set	Urology Dep	
					194 Surgical Endoscopy set	General Operation Ward	
					196 Surgical Endoscopy set	Neurosurgery Operation Ward	
					254 Endoscopy with Video camera	Orthopedic Operation Dep	
					240 Endoscopy - general Endoscopy	Gynecology Operation Ward	
					255 Endoscopy-Surgical Instruments	Surgery Dep	
					7 Surgical Microscope / Sheath	Angioplasty Dep	
Microscope Operating	1988	O.T. Thoracic Surgery	8	108	Surgical Microscope	Thoracic Surgery Ward	
Microscope Operating	1993	O.T. Thoracic Surgery	3				
Microscope Laboratory	1992	X O.T. General	4				
Microscope Laboratory	1992	O.T. General	4				
Light Examination	1992	X O.T. General	4		199 Cell Saver (for blood elements)	General Operation ward	
Papillo-graph	1992	O.T. General	4		195 Papillo-graphy Chart Holder	General Operation Ward	
					241 X-ray Orthopedic	Orthopedic Operation Ward	
					298 Sieper DE/FA	Surgery Dep	
					114 手術用顕微鏡 (眼科/ENT)	Surgical Microscope	

Comparison sheet Existing/Request/Planned eq.

Status of Existing Equipment			Request			Design plan		
Equipment	Inst	Status	No.	yr old	No.	Q'ty	equipment	Note
			194		19	1	Carousel Slide Projector	4 New
			195		89	1	Overhead Projector	4 New
			196			1		
			197		126	1	VHS Video Cassette Recorder	5 New
			198		125	1	VHS Movie Camera	2 New
			199		120	1	TV Set	5 New
			200		5	1	Video Projector	2 New

Total 22

Comparison sheet Existing/Request/Planned eq.

41. Training

Status of Existing Equipment		Request		Design plan					
Equipment	Inst. Status, yr old	No.	QTY	No.	equipment	Q/ty	Note		
		186	CPR mannequin with monitor	1	31	救急訓練用マネキン	CPR Mannequin with Monitor	1	New
		187	CPR mannequin (child and adult)	1	30	救急訓練用マネキン	CPR Mannequin (child)	2	New
				1	135		CPR Mannequin (adult)	5	New
		188	Air way management trainer (child and adult)	1	3	気管挿管モデル	Air Way Management Trainer (child)	2	New
				1	134		Air Way Management Trainer (adult)	5	New
		189	TV trainer arm	1	67	静注訓練用腕模型	TV Trainer Arm	4	New
		190	Complete set of emergency injuries model	1	48	外傷模型	Emergency Injuries Model	4	New
		191	Resuscitation emergency bag	1	99	蘇生バッグ	Resuscitation Emergency Bag	4	New
		192	Dressing emergency bag	1	39	包帯バッグ	Dressing Emergency Bag	4	New
		193	Auto ventilator	1	7	訓練用人工呼吸器	Auto Ventilator	4	New

Total 35

