

ΚΤΥΠ Α.Ε.
ΚΤΙΡΙΑΚΕΣ ΥΠΟΔΟΜΕΣ Α.Ε.

ΠΟΛΥΔΥΝΑΜΟ ΠΕΡΙΦΕΡΕΙΑΚΟ ΙΑΤΡΕΙΟ ΛΕΧΑΙΝΩΝ

ΜΕΛΕΤΗ ΙΑΤΡΟΤΕΧΝΟΛΟΓΙΚΟΥ ΕΞΟΠΛΙΣΜΟΥ

- 1. ΠΙΝΑΚΑΣ ΕΙΔΩΝ ΚΑΙ ΠΟΣΟΤΗΤΩΝ ΜΕ ΤΙΜΕΣ ΠΡΟΥΠΟΛΟΓΙΣΜΟΥ
(μη συμπεριλαμβανομένου Φ.Π.Α.)**
- 2. ΤΕΧΝΙΚΕΣ ΠΡΟΔΙΑΓΡΑΦΕΣ ΕΙΔΩΝ**

ΙΟΥΛΙΟΣ 2014

ΚΤΥΠ Α.Ε.
ΚΤΙΡΙΑΚΕΣ ΥΠΟΔΟΜΕΣ Α.Ε.

ΠΟΛΥΔΥΝΑΜΟ ΠΕΡΙΦΕΡΕΙΑΚΟ ΙΑΤΡΕΙΟ ΛΕΧΑΙΝΩΝ

ΜΕΛΕΤΗ ΙΑΤΡΟΤΕΧΝΟΛΟΓΙΚΟΥ ΕΞΟΠΛΙΣΜΟΥ

ΠΙΝΑΚΑΣ ΕΙΔΩΝ ΚΑΙ ΠΟΣΟΤΗΤΩΝ ΜΕ ΤΙΜΕΣ ΠΡΟΥΠΟΛΟΓΙΣΜΟΥ
(μη συμπεριλαμβανομένου Φ.Π.Α.)

ΙΟΥΛΙΟΣ 2014

**MEDICAL E
KA**

Item Code	Description
B3A01	AUTOCLAVE, ELECTRIC, FLASH STERILISING
B3A06	AUTOCLAVE, ELECTRIC, FLASH STERILISING , SMALL
B8B01	REFRIGERATOR, DRUG STORAGE, FREESTANDING
B8E00	REFRIGERATOR, LABORATORY, FREESTANDING
C0B03	BED, HOSPITAL, ELECTRIC
C0Q01	LOCKER, BEDSIDE/OVERBED TABLE COMBINATION
C0S00	STAND, IV, MOBILE
C0W00	BEDPAN, ADULT, STAINLESS STEEL
C0Y00	BOTTLE, URINE, STAINLESS STEEL
C1M00	COUCH, EXAMINATION / TREATMENT
C1M02	STEPS, COUCH
C1M05	COUCH EXAMINATION, UROLOGY/GYNAECOLOGY,ELECTRIC
C1N00	CHAIR, BLOOD SAMPLE TAKING
C1Q01	SAW, PLASTER CAST, ELECTRIC
C1R00	SCALES, BABY WEIGHING, ELECTRONIC
C1U01	SCALES, PLATFORM, WITH HEIGHT MEASURE
C2B08	DEFIBRILLATOR, PACEMAKER CAPABILITY, BIPHASIC
C2B09	DEFIBRILLATOR, AUTOMATIC
C2C00	BAG, RESUSCITATION, ADULT
C2C01	BAG, RESUSCITATION, PAEDIATRIC
C2C02	BAG RESUSCITATION, BABY
C2D03	LARYNGOSCOPE, SET,SURGERY
C2L00	DIAGNOSTIC, SET
C2P10	NON INVASIVE BLOOD PRESSURE/ PULSE RATE/ OXYMETER
C2P11	ANEROID SHYGMOMANOMETER,ADULT,PORTABLE
C2P12	ANEROID SHYGMOMANOMETER,PAEDIATRIC,PORTABLE
C2P14	ANEROID SHYGMOMANOMETER,RAIL MOUNTED
C2T00	STETHOSCOPE, DIAPHRAGM
C3A00	TROLLEY, DRESSING/INSTRUMENT, SMALL
C3A01	TROLLEY, DRESSING/INSTRUMENT, MEDIUM
C3I04	TROLLEY, EMERGENCY RESUSCITATION
C3I10	TROLLEY, OUTPATIENT
C3L01	SUCTION APPAR.,ELECT.,PORTABLE,H.V.,S.J.
C4J01	LAMP, EXAMINATION, ADJUSTABLE, WALL
C4J03	LAMP, EXAMINATION, ADJUSTABLE, MOBILE
C5N00	TROLLEY, PATIENT, ACCIDENT & EMERGENCY

Item Code	Description
C6A03	EXAMINATION LIGHT WITH MAGNIFIER
D3M04	WHEELCHAIR, FOLDING, ADULT
D3M05	WHEELCHAIR, FOLDING, CHILD
E0G00	FLOWMETER & REGULATOR,O2 CYLINDER+HUMID.
E0K00	TROLLEY, CYLINDER
E0P10	VENTILATOR, PORTABLE, EMERGENCY
E2B00	STRETCHER, SURGERY
E2L00	TABLE, OVER, INSTRUMENT
E2Q00	LAMP, OPERATING, MOBILE, MINOR
E4H04	MONITOR, PORTABLE, 4 CHANNELS
E5B00	ECG RECORDER, MULTI-CHANNEL, MOBILE
E6A99	INSTRUMENTS SETS
G0C00	STOOL, EXAMINATION
G5A00	DENTAL SURGERY UNIT, COMPLETE
G5E00	AMALGAMISER, DENTAL
G5F00	CLEANER, ULTRASONIC, DENTAL
G5L00	PULP TESTER
H0A00	X-RAY UNIT, GENERAL, CEILING M TUBE
H0C13	COMPUTED RADIOGRAPHY SYSTEM ,TABLE TOP
H0R00	BUCKY WALL STAND
H1A00	APRON, LEAD
H1C01	RACK, APRON, WALL MOUNTED
H1D00	SHIELD, GONAD, "T" SHAPE
H1E00	SHIELD, OVARIES, ADJUSTABLE
H1F00	PADS, POSITIONING, FOAM, SET
H2A24	FILM IMAGER/PRINTER,DRY,MEDIUM CAPACITY
H2J04	CASSETTE, X-RAY FILM, SET, COMPUTED RADIOGRAPHY
H3A01	ILLUMINATOR, X-RAY, WALL MOUNTED, DOUBLE
H6B08	TRANSPORTABLE ULTRASOUND SYSTEM
I1D05	PROTHROMBINE TIME METER
I2A00	CENTRIFUGE,GENER. PURPOSE,SMALL CAPACITY
I2L00	INCUBATOR, LABORATORY, AEROBIC
I4A01	MICROSCOPE, GENERAL PURPOSE
I5A00	PIPETTE, AUTOMATIC, FIXED VOLUME SET
I5B00	PIPETTE, AUTOMATIC, VARIABLE VOLUME, SET
I6B00	STOOL, LABORATORY
I6L02	URINE ANALYSER, PORTABLE
I6L04	BIOBIOCHEMISTRY ANALYSER, SMALL CAPACITY, STRIPS
K0I02	CABINET FOR EQUIPMENT

Item Code	Description
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AINA MEDICAL CENTER

EQUIPMENT - Bill of Quantities

ΤΑΛΟΓΟΣ ΠΟΣΟΤΗΤΩΝ ΙΑΤΡΙΚΟΥ ΕΞΟΠΛΙΣΜΟΥ

	Qty	Price EURO	Total Price EURO
ΚΛΙΒΑΝΟΣ ΥΓΡΗΣ ΑΠΟΣΤΕΙΡΩΣΗΣ(ΑΥΤΟΚΑΥΣΤΟ)	1	8.000,30	8.000,30
ΚΛΙΒΑΝΟΣ ΥΓΡΗΣ ΑΠΟΣΤΕΙΡΩΣΗΣ(ΑΥΤΟΚΑΥΣΤΟ-ΜΙΚΡΟΣ)	1	4.000,00	4.000,00
ΨΥΓΕΙΟ ΦΑΡΜΑΚΩΝ	1	1.500,00	1.500,00
ΨΥΓΕΙΟ ΕΡΓΑΣΤΗΡΙΩΝ ΜΕΓΑΛΟ	1	1.500,00	1.500,00
ΚΛΙΝΗ ΝΟΣΗΛΕΙΑΣ ΗΛΕΚΤΡΙΚΗ	2	1.500,00	3.000,00
ΚΟΜΟΔΙΝΟ-ΤΡΑΠΕΖΟΤΟΥΑΛΕΤΑ	2	350,00	700,00
ΣΤΑΤΩ ΟΡΩΝ ΤΡΟΧΗΛΑΤΟ	2	100,00	200,00
ΣΚΩΡΑΜΙΔΕΣ ΑΝΟΞΕΙΔΩΤΕΣ ΕΝΗΛΙΚΩΝ	3	50,00	150,00
ΟΥΡΟΔΟΧΕΙΑ ΑΝΟΞΕΙΔΩΤΑ	3	50,00	150,00
ΚΛΙΝΗ ΕΞΕΤΑΣΤΗΡΙΩΝ	3	400,00	1.200,00
ΣΚΑΛΟΠΑΤΑΚΙ ΕΞΕΤΑΣΤΙΚΗΣ ΚΛΙΝΗΣ	6	50,00	300,00
ΠΟΛΥΘΡΟΝΑ ΓΥΝΑΙΚΟΛΟΓΙΚΗ (ΜΠΟΥΜ) ΗΛΕΚΤΡΙΚΗ	1	3.500,00	3.500,00
ΚΑΘΙΣΜΑ ΑΙΜΟΛΗΨΙΑΣ	1	1.500,00	1.500,00
ΓΥΨΟΠΡΙΟΝΟ	1	1.500,00	1.500,00
ΖΥΓΟΣ ΒΡΕΦΩΝ	1	350,00	350,00
ΖΥΓΟΣ ΔΑΠΕΔΟΥ ΜΕ ΑΝΑΣΤΗΜΟΜΕΤΡΟ	5	250,00	1.250,00
ΑΠΙΝΙΔΩΤΗΣ ΔΙΦΑΣΙΚΟΣ	1	7.000,00	7.000,00
ΑΠΙΝΙΔΩΤΗΣ ΑΥΤΟΜΑΤΟΣ	1	3.500,00	3.500,00
ΑΣΚΟΣ ΑΝΑΝΗΨΗΣ ΕΝΗΛΙΚΩΝ	1	150,00	150,00
ΑΣΚΟΣ ΑΝΑΝΗΨΗΣ ΠΑΙΔΙΑΤΡΙΚΟΣ	1	150,00	150,00
ΑΣΚΟΣ ΑΝΑΝΗΨΗΣ ΒΡΕΦΩΝ	1	150,00	150,00
ΛΑΡΥΓΓΟΣΚΟΠΙΑ ΧΕΙΡΟΥΡΓΕΙΩΝ ΣΕΤ	1	1.200,00	1.200,00
ΔΙΑΓΝΩΣΤΙΚΟ ΣΕΤ	3	600,00	1.800,00
ΟΡΓΑΝΟ ΑΝΑΙΜΑΚΤΗΣ ΜΕΤΡΗΣΗΣ ΠΙΕΣΗΣ / ΡΥΘΜΟΥ / ΟΞΥΜΕΤΡΙΑΣ	1	5.000,00	5.000,00
ΣΦΥΓΜΟΜΑΝΟΜΕΤΡΟ, ΕΝΗΛΙΚΩΝ, ΦΟΡΗΤΟ	4	70,00	280,00
ΣΦΥΓΜΟΜΑΝΟΜΕΤΡΟ, ΠΑΙΔΩΝ, ΦΟΡΗΤΟ	1	70,00	70,00
ΣΦΥΓΜΟΜΑΝΟΜΕΤΡΟ ΡΑΓΑΣ	1	80,00	80,00
ΣΤΗΘΟΣΚΟΠΙΟ	5	60,00	300,00
ΤΡΟΧΗΛΑΤΟ, ΡΑΜΜΑΤΩΝ / ΕΡΓΑΛΕΙΩΝ, ΜΙΚΡΟ	1	200,00	200,00
ΤΡΟΧΗΛΑΤΟ, ΡΑΜΜΑΤΩΝ / ΕΡΓΑΛΕΙΩΝ, ΜΕΣΑΙΟ	1	250,00	250,00
ΤΡΟΧΗΛΑΤΟ ΕΠΕΙΓΟΝΤΩΝ / ΑΝΑΖΩΟΓΟΝΝΗΣΗΣ	1	1.700,00	1.700,00
ΤΡΟΧΗΛΑΤΟ ΕΞΩΤΕΡΙΚΩΝ ΙΑΤΡΕΙΩΝ	5	1.450,00	7.250,00
ΑΝΑΡΡΟΦΗΣΗ, ΗΛΕΚΤΡΙΚΗ, ΦΟΡΗΤΗ, ΥΨΗΛΟΥ ΚΕΝΟΥ, ΜΟΝΗ	1	800,00	800,00
ΕΞΕΤΑΣΤΙΚΗ ΛΥΧΝΙΑ, ΕΠΙΤΟΙΧΙΑ	3	600,00	1.800,00
ΕΞΕΤΑΣΤΙΚΗ ΛΥΧΝΙΑ, ΤΡΟΧΗΛΑΤΗ	1	700,00	700,00
ΦΟΡΕΙΟ ΑΣΘΕΝΩΝ, ΕΠΕΙΓΟΝΤΩΝ	1	1.200,00	1.200,00

	Qty	Price EURO	Total Price EURO
ΕΞΕΤΑΣΤΙΚΟΣ ΦΩΤΙΣΜΟΣ ΜΕ ΜΕΓΕΘΥΝΤΙΚΟ ΦΑΚΟ	1	400,00	400,00
ΑΝΑΠΗΡΙΚΗ ΠΟΛΥΘΡΟΝΑ, ΕΝΗΛΙΚΩΝ	2	500,00	1.000,00
ΑΝΑΠΗΡΙΚΗ ΠΟΛΥΘΡΟΝΑ, ΠΑΙΔΙΚΗ	1	500,00	500,00
ΡΟΟΜΕΤΡΟ ΚΑΙ ΡΥΘΜΙΣΤΗΣ, ΦΙΑΛΗΣ ΟΞΥΓΟΝΟΥ, ΜΕ ΥΓΡΑΝΤΗΡΑ	3	300,00	900,00
ΤΡΟΧΗΛΑΤΟ ΦΙΑΛΗΣ ΟΞΥΓΟΝΟΥ	3	150,00	450,00
ΑΝΑΠΝΕΥΣΤΗΡΑΣ, ΦΟΡΗΤΟΣ, ΜΕΤΑΦΟΡΑΣ ΕΠΕΙΓΟΝΤΩΝ	1	9.000,00	9.000,00
ΦΟΡΕΙΑ ΧΕΙΡΟΥΡΓΕΙΩΝ	1	6.000,00	6.000,00
ΤΡΟΧΗΛΑΤΟ ΕΡΓΑΛΕΙΟΔΟΣΙΑΣ	1	800,00	800,00
ΧΕΙΡΟΥΡΓΙΚΗ ΛΥΧΝΙΑ, ΜΙΚΡΗ, ΤΡΟΧΗΛΑΤΗ	1	6.000,00	6.000,00
ΜΟΝΙΤΟΡ ΦΟΡΗΤΟ, 4 ΚΑΝΑΛΙΩΝ	1	6.000,00	6.000,00
ΗΚΓ ΠΟΛΥΚΑΝΑΛΟΣ ΤΡΟΧΗΛΑΤΟΣ	1	4.500,00	4.500,00
ΧΕΙΡΟΥΡΓΙΚΑ ΕΡΓΑΛΕΙΑ	1	1.000,00	1.000,00
ΣΚΑΜΠΩ ΟΦΘΑΛΜΙΑΤΡΟΥ	1	150,00	150,00
ΟΔΟΝΤΙΑΤΡΙΚΟ ΣΥΓΚΡΟΤΗΜΑ	1	25.000,00	25.000,00
ΣΥΣΚΕΥΗ ΑΜΑΛΓΑΜΑΤΟΣ	1	800,00	800,00
ΛΕΚΑΝΗ ΠΛΥΣΗΣ- ΥΠΕΡΗΧΩΝ	1	800,00	800,00
ΔΟΚΙΜΑΣΤΗΣ ΠΟΛΦΟΥ	1	400,00	400,00
ΑΚΤΙΝΟΛΟΓΙΚΟ ΜΗΧΑΝΗΜΑ ΟΡΟΦΗΣ	1	55.000,00	55.000,00
ΣΥΣΤΗΜΑ ΑΝΑΓΝΩΣΗΣ ΨΗΦΙΑΚΩΝ ΑΚΤΙΝΟ/ΚΩΝ ΠΛΑΚΩΝ	1	25.000,00	25.000,00
ΟΡΘΙΟ BUCKY	1	15.000,00	15.000,00
ΠΟΔΙΕΣ ΑΚΤΙΝΟΠΡΟΣΤΑΣΙΑΣ	2	200,00	400,00
ΚΡΕΜΑΣΤΡΑ ΤΟΙΧΟΥ ΠΟΔ. ΑΚΤ.	1	80,00	80,00
ΑΚΤΙΝΟΠΡΟΣΤΑΤΕΥΤΙΚΑ ΤΥΠΟΥ "T"	1	200,00	200,00
ΑΚΤΙΝΟΠΡΟΣΤΑΤΕΥΤΙΚΑ ΟΩΘΗΚΩΝ	1	200,00	200,00
ΣΕΤ ΜΑΞΙΛΑΡΙΩΝ ΑΚΙΝΗΤΟΠΟΙΗΣΗΣ	1	100,00	100,00
ΕΚΤΥΠΩΤΗΣ ΦΙΛΜ ΑΚΤΙΝΟΛΟΓΙΚΟΥ	1	15.000,00	15.000,00
ΣΕΤ ΦΙΛΜ ΑΚΤΙΝΟΛΟΓΙΚΟΥ	1	3.500,00	3.500,00
ΔΙΑΦΑΝΟΣΚΟΠΙΟ ΔΙΠΛΟ	8	450,00	3.600,00
ΥΠΕΡΗΧΟΣ ΦΟΡΗΤΟ	1	22.000,00	22.000,00
ΠΡΟΘΟΜΒΡΙΝΟΜΕΤΡΟ	1	700,00	700,00
ΦΥΓΟΚΕΝΤΡΟΣ ΓΕΝΙΚΗΣ ΧΡΗΣΗΣ ΜΙΚΡΗ	1	3.500,00	3.500,00
ΕΠΩΑΣΤΙΚΟΣ ΚΛΙΒΑΝΟΣ	1	4.000,00	4.000,00
ΜΙΚΡΟΣΚΟΠΙΟ ΓΕΝΙΚΗΣ ΧΡΗΣΗΣ	1	4.500,00	4.500,00
ΠΙΠΕΤΤΕΣ ΣΤΑΘΕΡΟΥ ΟΓΚΟΥ	1	200,00	200,00
ΠΙΠΕΤΤΕΣ ΜΕΤΑΒΛΗΤΟΥ ΟΓΚΟΥ	1	400,00	400,00
ΣΚΑΜΠΩ ΕΡΓΑΣΤΗΡΙΩΝ	2	100,00	200,00
ΦΟΡΗΤΟΣ ΑΝΑΛΥΤΗΣ ΟΥΡΩΝ	1	1.000,00	1.000,00
ΒΙΟΧΗΜΙΚΟΣ ΑΝΑΛΥΤΗΣ ΜΙΚΡΟΣ	1	4.000,00	4.000,00
ΝΤΟΥΛΑΠΙ - ΒΙΤΡΙΝΑ	6	850,00	5.100,00

	Qty	Price EURO	Total Price EURO
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ΣΥΝΟΛΟ = 289.760,30

(μη συμπεριλαμβανομένου Φ.Π.Α.)

MEDICAL EQUIPMENT - Bill of Quantities

Item Code	Description	Qty	Price EURO	Total Price EURO
B3A01	AUTOCLAVE, ELECTRIC, FLASH STERILISING	1	8.000,30	8.000,30
B3A06	AUTOCLAVE, ELECTRIC, FLASH STERILISING , SMALL	1	4.000,00	4.000,00
B8B01	REFRIGERATOR, DRUG STORAGE, FREESTANDING	1	1.500,00	1.500,00
B8E00	REFRIGERATOR, LABORATORY, FREESTANDING	1	1.500,00	1.500,00
C0B03	BED, HOSPITAL, ELECTRIC	2	1.500,00	3.000,00
C0Q01	LOCKER, BEDSIDE/OVERBED TABLE COMBINATION	2	350,00	700,00
C0S00	STAND, IV, MOBILE	2	100,00	200,00
C0W00	BEDPAN, ADULT, STAINLESS STEEL	3	50,00	150,00
C0Y00	BOTTLE, URINE, STAINLESS STEEL	3	50,00	150,00
C1M00	COUCH, EXAMINATION / TREATMENT	3	400,00	1.200,00
C1M02	STEPS, COUCH	6	50,00	300,00
C1M05	COUCH EXAMINATION, UROLOGY/GYNAECOLOGY,ELECTRIC	1	3.500,00	3.500,00
C1N00	CHAIR, BLOOD SAMPLE TAKING	1	1.500,00	1.500,00
C1Q01	SAW, PLASTER CAST, ELECTRIC	1	1.500,00	1.500,00
C1R00	SCALES, BABY WEIGHING, ELECTRONIC	1	350,00	350,00
C1U01	SCALES, PLATFORM, WITH HEIGHT MEASURE	5	250,00	1.250,00
C2B08	DEFIBRILLATOR, PACEMAKER CAPABILITY, BIPHASIC	1	7.000,00	7.000,00
C2B09	DEFIBRILLATOR, AUTOMATIC	1	3.500,00	3.500,00
C2C00	BAG, RESUSCITATION, ADULT	1	150,00	150,00
C2C01	BAG, RESUSCITATION, PAEDIATRIC	1	150,00	150,00
C2C02	BAG RESUSCITATION, BABY	1	150,00	150,00
C2D03	LARYNGOSCOPE, SET,SURGERY	1	1.200,00	1.200,00
C2L00	DIAGNOSTIC, SET	3	600,00	1.800,00
C2P10	NON INVASIVE BLOOD PRESSURE/ PULSE RATE/ OXYMETER	1	5.000,00	5.000,00
C2P11	ANEROID SHYGMOMANOMETER,ADULT,PORTABLE	4	70,00	280,00
C2P12	ANEROID SHYGMOMANOMETER,PAEDIATRIC,PORTABLE	1	70,00	70,00
C2P14	ANEROID SHYGMOMANOMETER,RAIL MOUNTED	1	80,00	80,00
C2T00	STETHOSCOPE, DIAPHRAGM	5	60,00	300,00
C3A00	TROLLEY, DRESSING/INSTRUMENT, SMALL	1	200,00	200,00
C3A01	TROLLEY, DRESSING/INSTRUMENT, MEDIUM	1	250,00	250,00
C3I04	TROLLEY, EMERGENCY RESUSCITATION	1	1.700,00	1.700,00
C3I10	TROLLEY, OUTPATIENT	5	1.450,00	7.250,00
C3L01	SUCTION APPAR.,ELECT.,PORTABLE,H.V.,S.J.	1	800,00	800,00
C4J01	LAMP, EXAMINATION, ADJUSTABLE, WALL	3	600,00	1.800,00
C4J03	LAMP, EXAMINATION, ADJUSTABLE, MOBILE	1	700,00	700,00
C5N00	TROLLEY, PATIENT, ACCIDENT & EMERGENCY	1	1.200,00	1.200,00

Item Code	Description	Qty	Price EURO	Total Price EURO
C6A03	EXAMINATION LIGHT WITH MAGNIFIER	1	400,00	400,00
D3M04	WHEELCHAIR, FOLDING, ADULT	2	500,00	1.000,00
D3M05	WHEELCHAIR, FOLDING, CHILD	1	500,00	500,00
E0G00	FLOWMETER & REGULATOR,O2 CYLINDER+HUMID.	3	300,00	900,00
E0K00	TROLLEY, CYLINDER	3	150,00	450,00
E0P10	VENTILATOR, PORTABLE, EMERGENCY	1	9.000,00	9.000,00
E2B00	STRETCHER, SURGERY	1	6.000,00	6.000,00
E2L00	TABLE, OVER, INSTRUMENT	1	800,00	800,00
E2Q00	LAMP, OPERATING, MOBILE, MINOR	1	6.000,00	6.000,00
E4H04	MONITOR, PORTABLE, 4 CHANNELS	1	6.000,00	6.000,00
E5B00	ECG RECORDER, MULTI-CHANNEL, MOBILE	1	4.500,00	4.500,00
E6A99	INSTRUMENTS SETS	1	1.000,00	1.000,00
G0C00	STOOL, EXAMINATION	1	150,00	150,00
G5A00	DENTAL SURGERY UNIT, COMPLETE	1	25.000,00	25.000,00
G5E00	AMALGAMISER, DENTAL	1	800,00	800,00
G5F00	CLEANER, ULTRASONIC, DENTAL	1	800,00	800,00
G5L00	PULP TESTER	1	400,00	400,00
H0A00	X-RAY UNIT, GENERAL, CEILING M TUBE	1	55.000,00	55.000,00
H0C13	COMPUTED RADIOGRAPHY SYSTEM ,TABLE TOP	1	25.000,00	25.000,00
H0R00	BUCKY WALL STAND	1	15.000,00	15.000,00
H1A00	APRON, LEAD	2	200,00	400,00
H1C01	RACK, APRON, WALL MOUNTED	1	80,00	80,00
H1D00	SHIELD, GONAD, "T" SHAPE	1	200,00	200,00
H1E00	SHIELD, OVARIES, ADJUSTABLE	1	200,00	200,00
H1F00	PADS, POSITIONING, FOAM, SET	1	100,00	100,00
H2A24	FILM IMAGER/PRINTER,DRY,MEDIUM CAPACITY	1	15.000,00	15.000,00
H2J04	CASSETTE, X-RAY FILM, SET, COMPUTED RADIOGRAPHY	1	3.500,00	3.500,00
H3A01	ILLUMINATOR, X-RAY, WALL MOUNTED, DOUBLE	8	450,00	3.600,00
H6B08	TRANSPORTABLE ULTRASOUND SYSTEM	1	22.000,00	22.000,00
I1D05	PROTHROMBINE TIME METER	1	700,00	700,00
I2A00	CENTRIFUGE,GENER. PURPOSE,SMALL CAPACITY	1	3.500,00	3.500,00
I2L00	INCUBATOR, LABORATORY, AEROBIC	1	4.000,00	4.000,00
I4A01	MICROSCOPE, GENERAL PURPOSE	1	4.500,00	4.500,00
I5A00	PIPETTE, AUTOMATIC, FIXED VOLUME SET	1	200,00	200,00
I5B00	PIPETTE, AUTOMATIC, VARIABLE VOLUME, SET	1	400,00	400,00
I6B00	STOOL, LABORATORY	2	100,00	200,00
I6L02	URINE ANALYSER, PORTABLE	1	1.000,00	1.000,00
I6L04	BIOBIOCHEMISTRY ANALYSER, SMALL CAPACITY, STRIPS	1	4.000,00	4.000,00
K0I02	CABINET FOR EQUIPMENT	6	850,00	5.100,00

Item Code	Description	Qty	Price EURO	Total Price EURO
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ΣΥΝΟΛΟ = 289.760,30

(μη συμπεριλαμβανομένου Φ.Π.Α.)

ΚΤΥΠ Α.Ε.
ΚΤΙΡΙΑΚΕΣ ΥΠΟΔΟΜΕΣ Α.Ε.

ΠΟΛΥΔΥΝΑΜΟ ΠΕΡΙΦΕΡΕΙΑΚΟ ΙΑΤΡΕΙΟ ΛΕΧΑΙΝΩΝ

ΜΕΛΕΤΗ ΙΑΤΡΟΤΕΧΝΟΛΟΓΙΚΟΥ ΕΞΟΠΛΙΣΜΟΥ

ΤΕΧΝΙΚΕΣ ΠΡΟΔΙΑΓΡΑΦΕΣ ΕΙΔΩΝ

ΙΟΥΛΙΟΣ 2014

Equipment Specifications

Project : LECHAINA

Item	Description
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B3A01 AUTOCLAVE, ELECTRIC, FLASH STERILISING

Fully automatic, electrically operated tabletop autoclave, with built-in steam generator. At least 5 sterilization programmes at 134° and 121° C. Programms for wrapped and unwrapped items. Fast (flash) 10 min. sterilisation time at 134°C. Microprocessor controlled working and diagnostic cycles. Digital displays of set parameters. Vacuum phase before and after sterilization phase. Protection of the steam generator from absence of water. Bacterial filter. Integrated printer for recording sterilization parameters. AISI 304 stainless steel chamber, capacity approx. 18 lit. Complete with 4 instrument trays. No need for central water supply and drainage.

B3A06 AUTOCLAVE, ELECTRIC, FLASH STERILISING , SMALL

Fully automatic, electrically operated tabletop autoclave, with built-in steam generator. All types of sterilisation cycles. Flash sterilisation cycle at 134°C. Microprocessor controlled working and diagnostic cycles. Digital displays of set parameters. Vacuum phase before and after sterilization phase. Protection of the steam generator from absence of water. Bacterial filter. Integrated printer for recording sterilization parameters. AISI 304 stainless steel chamber, capacity approx. 15 lit. Complete with instrument trays. No need for central water supply and

B8B01 REFRIGERATOR, DRUG STORAGE, FREESTANDING

Capacity of approx. 360 ltrs. Temperature range, approx., +2°C to +8°C. With double glazed-glass door. Silent compressor CFC-free. Forced air refrigeration. Digital display. Audible-Visual alarms. with cold-saving drawers, shelves and racks.

B8E00 REFRIGERATOR, LABORATORY, FREESTANDING

Capacity approx. 200 litres. Stainless steel interior surfaces. Four adjustable shelves. Approx. temperature range 1° to 4°C. With automatic defrost and internal light. Digital temperature display.

C0B03 BED, HOSPITAL, ELECTRIC

Electric bed. Four-section bed. Back section adjustment, electric (from the horizontal to 65° at least) with a combination of auto contour and sliding backrest to reduce the risk of tissue damage due to shear and for the patients comfort. Knee break fowler adjustment electric (from the horizontal up to 35° approximately).

Trendelenburg and anti-trendelenburg positioning at least 12° by gas-spring.

Leg section adjustments by means of tooth rack. Easily removable head and foot frames and panels. Mattress platform made of ABS easily detachable for easy cleaning.

Provision to enable positioning of infusion pole at each corner. 4 swivel castors, one of them guiding, 15 cm at least, with central brake system.

Approx. mattress platform dimensions 200 cm X 90 cm. Approx. electric height adjustment 45 - 85 cm. Construction: Base, bed frame and mattress platform frame made of steel tube, Zink plated and electrostatically painted with epoxy-polyester powder. Head and foot frames made of steel tube, without sharp edges. Head and foot panels made of laminated plastic. Bed sections articulated joints especially designed for linen protection. The whole construction shall have procedures for easy cleaning and disinfection. Accessories: 4 PVC wall protecting buffer wheels.

Infusion pole with two hooks chrome-plated steel. Chart holder made of stainless steel with spring clip for documents.

Certifications

Certificate that declare the compliance of the offered products with the requirements of Directive 93/42/EEC of 14 June 1993 refer to medical devices.

Certificate EN 60601-2-38 Medical electrical equipment — Part 2-38: Particular requirements for the safety of electrically operated hospital beds.

Complete with flame retardant, multi-sectioned mattress, number of sections compa tible with bed sections number. Made of polyester foam, density 40 kg/m3, inclosed in cotton (80% at least) textile, with zip in the middle of small mattress side. Complete with overall mattress cover, washable up to 95°C, antista tic, flame retardant, impervious, antibacterial. Cover to incorporate special mesh to enhance its durability and zip

C0Q01 LOCKER, BEDSIDE/OVERBED TABLE COMBINATION

Drawer with pull-out container, washable and disinfectable.

Cupboard with one removeable and height adjustable shelf, twin bottle holder, 4 swivel castors, 50 mm approx., with brake system.

Approx. cabinet dimensions 55 X 45 X 80h cm.

Whole cabinet frame of strong polymer construction easy to clean and disinfect.

Complete with separate mobile overbed table with 'U'-shaped tubular steel base, chrome plated. Design should permit the parking of the table top above the bedside cabinet unit.

Durable plastic table with edges, approx. 60x35x2cm

4 wheel castors d50mm two of them with brakes

Smooth and secure height adjustment approx 85 - 110cm by means of a handle

C0S00 STAND, IV, MOBILE

Height adjustable 120-220 cm, wide stance base with 5 swivel castors. Double hook rod, including positive stop to avoid disengagement from base rod and locking device. Stainless steel construction.

Equipment Specifications

Project : LECHAINA

Item	Description
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C0W00 BEDPAN, ADULT, STAINLESS STEEL

Stainless steel construction. Approx size 110h X 350w X 280d mm. To be compatible with item " Washer/Disinfector, Bedpan and Urine Bottle ", as specified in E/M study.

C0Y00 BOTTLE, URINE, STAINLESS STEEL

Stainless steel construction. Capacity approx 900ml.

C1M00 COUCH, EXAMINATION / TREATMENT

Two sectioned, heavy duty, couch. Back rest adjustable by means of tooth rack or other suitable mechanism. Upholstered vinyl pad, built-in examination paper roll holder at head of couch. Tubular steel frame, chrome plated. Size approx. 190l x 65w x75h cm.

C1M02 STEPS, COUCH

Single step on four legs with anti-slip feet. Metal construction with rubber anti-slip insert to step. Approx. height 25 cm.

C1M05 COUCH EXAMINATION, UROLOGY/GYNAECOLOGY,ELECTRIC

3 -section chair for carrying out gynaecological/urological treatments in sitting as well as in lying position. Electrical motors for seat height adjustment (60-100cm), back rest inclination (+70°) and Trendelenburg inclination (+/- 15°) with foot pedal. Construction made out of steel tubes covered with powder coating. The seat, back rest and leg rest sections made from polyurethane foam and covered with seamless upholstery high quality artificial leather, which is easy to clean and disinfect.

Total length with leg plate: approx. 1800 mm

Seat width: 600 mm

To include:

- pair of Goebel knee crutches, fully adjustable with ball & socket joint, PUR foam padded.
- S/S bowl
- pair of hand rests
- Holder for paper sheet roll

C1N00 CHAIR, BLOOD SAMPLE TAKING

Padded couch upholstered with washable durable vinyl material. Electrically operated height adjustment (approx. 50-85cm), trendelenburg positioning of at least 15° and back section adjustment. To include 2 arm supports on both sides of the chair, fully adjustable in all directions through a ball - and -socket joint. Built in paper roll holder. Horizontal length at least 180 cm.

C1Q01 SAW, PLASTER CAST, ELECTRIC

Hand held oscillating plaster saw with cast vacuum pumps to cut the plaster and to collect the dust from the cutting

SAW

Low noise

Double insulated complete with cable.

With vacuum housing.

CAST VACUUM

Cast vacuum pump with power switch with at least low, medium and high settings.

Capacity of at least 6 lt.

Complete with both mobile stand and wall mounted stand.

Complete with 3 types of blades and a set of bags.

C1R00 SCALES, BABY WEIGHING, ELECTRONIC

Electronic scale with digital readout. To weight up to 10kg with accuracy of approx. 10g. Push button controls for on/off, zero display and hold facility. Removeable plastic bowl. Height measure facility. Dimensions approx 300 x 600 x 350 mm.

C1U01 SCALES, PLATFORM, WITH HEIGHT MEASURE

Platform scales, electronic. Capacity approx. 180 kg in 100 g calibrations. Platform size approx. 40 x 30 cm. With nonslip tread. With height measure from 80 cm to 2.0 m.

Equipment Specifications

Project : LECHAINA

Item	Description
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C2B08 DEFIBRILLATOR, PACEMAKER CAPABILITY, BIPHASIC

G.D.

Portable defibrillator, microprocessor controlled with pacemaking capability included.

Form of shock: biphasic, escalating variable energy.

O.F. / O.C.

1.Mains and battery (rechargeable) operated. 50 max-energy shocks or min of 4hours ECG monitoring.

2.Manual, cardioversion and ECG synchronized operation modes. Autosequence mode

3.Display of ECG and optionally SpO2 through paddles or electrodes .Also display of HR, available energy. Color screen 5,5" size at least

4.Charge time in 200J max 5sec

5.Energy : 0 - 270 Joules

6.Event summary

7.Paddles: Standard paddles with manual or auto recording button, for adults and pediatrics. Supplied with long paddle cord.

8.Charge/ready indicators.

9.External pacemaker with self-adhesive defib/pace electrodes. Pace rate from 30 -180 bpm and 0-140 mA pulsed current.

10. Impedance compensation

11.Thermal printer for recording the displayed parameters.

12. Memory for min 40 events archiving with date/time data

C2B09 DEFIBRILLATOR, AUTOMATIC

Portable AED defibrillator, with Greek voice commands/instructions. Biphasic technology. ECG display and event storage memory. Capable of connection to PC or laptop for data transfer.

Complete with battery, storage case and a pair of electrode pads.

C2C00 BAG, RESUSCITATION, ADULT

For all age groups over 10 years of age. Manually operated resuscitation bag, capacity approx. 1.5lt, vinyl constructed. Side oxygen inlet with non-rebreathing valve. With range of autoclavable face masks.

C2C01 BAG, RESUSCITATION, PAEDIATRIC

For children of 18 months to 10 years of age. Manually operated resuscitation bag, capacity approx. 0.5lt, vinyl constructed. Side oxygen inlet with non-rebreathing valve. To have safety valve for pressures greater than 35 cm H2O. With range of autoclavable face masks.

C2C02 BAG RESUSCITATION, BABY

For new born babies and infants up to 2 years. Manually operated resuscitation bag, capacity approx. 0.25lt, vinyl constructed. Side oxygen inlet with non-rebreathing valve. To have safety valve for pressures greater than 35cm H2O. With range of autoclavable face masks.

C2D03 LARYNGOSCOPE, SET,SURGERY

Laryngoscope set for surgery procedures, consisting of:

Laryngoscope with fiber optic illumination, rechargeable cell operated

1.Blades: Mac 2,3,4, Paed 1 autoclavable blades

2.Blades Flexible : Mac 3,4

Lamp handle sterilisable.

Two spare bulbs 3,5 V

Recharging unit.

C2L00 DIAGNOSTIC, SET

Set to consist of one halogen illumination handle, one angled laryngeal mirror,one opthalmoscope,one auriscope and one tongue blade holder. Handle to be lightweight metal with durable non-slip finish and on/off switch. Auriscope to have swing over focusing lens. To be offered with range of speculae, at least 2 to 5 mm. Ophthalmoscope to have refraction errors compensation between +20D and -20D with finger tip slide. Aperture control disc with eccentric fixation detector, macular beam and wide-angle beam. To be offered with case.

C2P10 NON INVASIVE BLOOD PRESSURE/ PULSE RATE/ OXYMETER

Standard non invasive blood pressure (NIBP) as well as pulse rate and MAP

Includes pulse oximeter, thermometer and internal printer

Simple programming, a large digital display and display of the plethmographic waveform.

Uses the oscillometric method to determine systolic and diastolic pressure, mean arterial pressure and pulse rate with dual hose technology.

Approved by the manufacturer for use in hypertensive and hypotensive patients. Incorporates special motion artifact rejection software to reject patient movement.

Includes automatic blood pressure mode, STAT blood pressure mode, programmable alarms, and built in memory.

Standard RS-232 computer interface for uploading patient data to your network or PC.

12V DC input. Battery operated

Supplied with dedicated mobile stand.

Equipment Specifications

Project : LECHAINA

Item **Description**

C2P11 ANEROID SHYGMOMANOMETER,ADULT,PORTABLE

Aneroid sphygmomanometer, bulb operated. Calibrated from 0-300mm Hg. Complete with adult velcro closing cuffs and box.

C2P12 ANEROID SHYGMOMANOMETER,PAEDIATRIC,PORTABLE

Aneroid sphygmomanometer, bulb operated, table top type. Calibrated from 0-300mm Hg. Complete with adult velcro closing cuffs and box.

C2P14 ANEROID SHYGMOMANOMETER,RAIL MOUNTED

Aneroid sphygmomanometer, bulb operated. Calibrated from 0-300mm Hg. Complete with adult velcro closing cuffs and box.

C2T00 STETHOSCOPE, DIAPHRAGM

Suitable for both adult and paediatric use. Fiber glass reinforced diaphragms, soft ear pieces and adjustable bi-aurals. Complete with spare diaphragms and spare ear pieces.

C3A00 TROLLEY, DRESSING/INSTRUMENT, SMALL

Tubular stainless steel frame with two fixed stainless steel shelves and swivel castors. Size approx. 850h X 500w X 500d mm.

C3A01 TROLLEY, DRESSING/INSTRUMENT, MEDIUM

Tubular stainless steel frame with two fixed stainless steel shelves and swivel castors. Size approx 850h X 750w X 500d mm.

C3I04 TROLLEY, EMERGENCY RESUSCITATION

Overall dimensions approx. 900w x 600d x 950h mm. Complete with lockable drawers.Strong polymer construction. 4 drawers approx. 15cm with internal dividers. Scratch-resistant top surface, moulded with 3-sided raised rim. Rim height approx 1cm. Push handles. Castors 125mm with 2 brakes and bumpers.

To include the following accessories:

- Rotating defibrillator tray
- Oxygen bottle holder
- Support for plastic litter box
- Height adjustable infusion pole
- Cardiac board
- Retractable writing tray
- Refuse collector approx 15 lit with plastic bag

C3I10 TROLLEY, OUTPATIENT

Overall dimensions approx 700x600x850h mm. Strong polymer construction. Four drawers approx 15cm deep with internal dividers. Antistatic castors 125mm with 2 brakes. Scratch-resistant top surface, moulded with 4 sided raised rim. Push handles. Bumper protection around the trolley.

To include the following accessories:

- Syringe and canoula dispenser (at least 8, different size, plastic boxes)
- Ampoule opener
- Plastic litter box
- Refuse collector with plastic bag

C3L01 SUCTION APPAR.,ELECT.,PORTABLE,H.V.,S.J.

Totally enclosed oil free vacuum pump. Features to include :

- operating indicator light.
- protection against accidental aspiration of fluids inside the pump
- vacuum range 0-635 mm Hg approx., clear vacuum gauge, sensitive vacuum regulating valve
- suction capacity approx. 35 lt/min
- bacterial filter at the entrance of the apparatus, carrying handle.
- graduated 1lt suction jar with overload cut out, overflow phial with additional overflow protection.
- tubing and probe
- all parts in contact with the secretion autoclavable

Equipment Specifications

Project : LECHAINA

Item	Description
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C4J01 LAMP, EXAMINATION, ADJUSTABLE, WALL

LED-Type examination lamp. Light intensity at least 27000 lux at 50cm. Color temperature more than 4500°K. Light field diameter at least 18cm at 50cm. Double jointed arm, radius approx 100cm from wall, height adjustment approx. 80cm. Lamp head adjustable horizontally and vertically. Built in transformer and control elements. LED lifetime > 20.000 hours.

To include all necessary mounting material for wall installation.

C4J03 LAMP, EXAMINATION, ADJUSTABLE, MOBILE

LED-Type examination lamp. Light intensity at least 27000 lux at 50cm. Color temperature more than 4500°K. Light field diameter at least 18cm at 50cm. Double jointed arm, height adjustable. Lamp head adjustable horizontally and vertically. Built in transformer and control elements. LED lifetime > 20.000 hours. On mobile base with five castors.

C5N00 TROLLEY, PATIENT, ACCIDENT & EMERGENCY

Variable height, from approx. 65 - 90 cm, controlled by foot operated oil-dynamic hydraulic pump. Gas-spring assisted trendelenburg and anti-trendelenburg tilt (at least up to 12° and 6° respectively) and upward tilt of back section, up to 70° . Radiotranslucent platform, with sliding cassette tray, movable along full length. PVC, wall protecting buffer rail. Anti-static rubber mattress, 10cm thick, washable and sterilisable, with radiotranslucent foam insert and retaining hooks to secure mattress to platform. On four antistatic swivel castors, with simultaneous braking system, one of them to be guiding wheel. Diameter of the wheels 20 cm. Sliding siderails, self locking in the raised position. Complete with oxygene cylinder cage, double hook infusion pole with receiving sockets at each corner, utility tray and storage tray. Overall dimensions approx 205 x 70 cm (l X w). Trolley frame made of tubular steel, 2mm thick approx., zink plated and electrostatically painted with epoxy polyester

C6A03 EXAMINATION LIGHT WITH MAGNIFIER

For dermatology examinations. Simple operation with on/off switch. Color temperature more than 5000°K. 50W power. With appropriate magnifying lens. Mobile on braking castors.

D3M04 WHEELCHAIR, FOLDING, ADULT

Tubular steel frame with chrome finish, folding design. Padded seat, backrest and arms, vinyl upholstery. Adjustable footrests, push hand-les, front swivel castors, brakes. Seat size approx 48 x 48 cm. To include a S/S IV pole with 2 hooks mounted on special holding device.

D3M05 WHEELCHAIR, FOLDING, CHILD

Tubular steel frame with chrome finish, folding design. Padded seat, backrest and arms, vinyl upholstery. Adjustable footrests, push hand-les, brakes, front swivel castors. Seat size approx 40 x 40 cm. To include a S/S IV pole with 2 hooks mounted on special holding device.

E0G00 FLOWMETER & REGULATOR, O2 CYLINDER+HUMID.

To fit oxygen cylinder. Incorporating reducing valve, cylinder content gauge. Flowmeter graduated in litres per minute at 1 litre intervals. Adjustable flow range 0-15 lt/min. With adaptor to fit humidifier and detachable, autoclavable humidifier. Complete with and spanner.

E0K00 TROLLEY, CYLINDER

To hold cylinders up to 180 mm diameter. Tubular steel frame with stove enamel or epoxy resin finish. Mounted on two 100 mm diameter wheels. With bar or chain restraining device. Complete with 5lit O2 cylinder.

E0P10 VENTILATOR, PORTABLE, EMERGENCY

Volume constant, time cycled ventilator, for controlled ventilation.

Modes of operation : Control, Assist control, SIMV, PSV, CPAP. Possibility of adjustable PEEP ventilation and pressure limitation.

Blender for adjustment of oxygen concentration values between at least 40% and 100%.

Airway pressure gauge. Monitoring of Ppeak, Pmean, PEEP, Flow, Tinsp, Frequency.

Internal rechargeable battery for at least 4 hours of operation.

Complete with carrying strap, portable cylinder support, O2 pressure reducer and 2L oxygen cylinder.

Equipment Specifications

Project : LECHAINA

Item	Description
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E2B00 STRETCHER, SURGERY

The stretcher unit is to be used within the operating department as well as to transfer patient within the hospital. Hydraulic system (dual sided foot control), and manual cranks for upward tilt of back section up to approx. 90°, and for knee gatch 0 - 30°. The stretcher should undergo trendelenburg/reverse trendelenburg of +18°, even in case where the stretcher is lowered to its minimum height position.

Patient surface dimensions approx. 1,90m length 0,65m width

The stretcher's height should vary between approx 50 to 90 cm.

The stretcher should have collapsible side rails

Maximum weight capacity at least 200 kg

The patient surface should be completely radio translucent and designed in a way to allow C-Arm to be utilised.

Should have PVC roller bumpers at its corner

The stretcher should be mounted on four large anti static castor wheels that include braking facilities The brakes are to be activated through means of a foot lever located at both ends of the stretcher.

Should also have a retractable fifth wheel steering.

Integrated storage tray with oxygen bottle holder.

Antistatic, washable mattress approx. 8-10 cm thick.

Platform and frame should be made of a durable epoxy coating or any other type of resilient synthetic material or special rigid alloy, plated and electrostatically painted capable of resisting chemical disinfection and mechanical shocks.

E2L00 TABLE, OVER, INSTRUMENT

Adjustable height from approx. 750mm to 1400 mm. Stainless steel construction. Tray dimensions approx. 650 X 450 mm. Base with four anti-static castors. Height adjustment by foot pedal operated hydraulic pump.

E2Q00 LAMP, OPERATING, MOBILE, MINOR

Surgical mobile lamp with LED light source. Intensity approx 70 Klux(@1 m).Color temperature more than 4300°K. Colour rendering index Ra>=92. Light field diameter up to approx. 15cm.

Depth of uniform illumination at least 60 cm.

Rotation of the lamp 320° . Lamphed vertical adjustment approx from 1 to 2m. Total arm extension approx 1m. Built in transformer and control elements. Stable base on antistatic swivel castors, with break system.

Average LED lifetime >20.000 hours.

E4H04 MONITOR, PORTABLE, 4 CHANNELS

G.D. Microprocessor controlled minimum of four (4) channels, for transport use.

O.C.

1. Waveform display & digital readout of selected parameters Cascade of ECG to second channel possible

2. Measuring parameters-waveforms: ECG \ HR \ NIBP \ SaO2 \ T \ Resp\CO2

3. High resolution color display, min 10 "

4. Battery for 2 hr

O.F.

1. Trend period selectable: 1-24hr at least with 1min resolution. Capability of trend review of previous patient

2. Processing-evaluation of various parameters-indexes

3. Analysis of recorded parameters (arrhythmia analysis on 3 ECG leads simultaneously at least, etc).

ALARMS : Presetable / Programmable medical alarms, min in 3 levels, and also technical alarms.

SAFETY / FILTERING

1. Electrical safety protection of patient (IEC 601-1 standard)

2. Protection against defibrillation (R/F protection)

3 .Special filtering to avoid electromagnetic artifacts (EN 60601-1-1-2)

4. Freeze capability and event view of frozen waveform

5. 3 different sweep speeds for monitored waveforms

ACCESSORIES Cables and reusable accessories for all parameters. Rail mounted monitor shelf with length of support arm approx. 350mm with tilt and swivel function.

INTERFACE

Capable of Ethernet (cable or wireless) networking for data processing and communication with Central Stations

Equipment Specifications

Project : LECHAINA

Item Description

E5B00 ECG RECORDER, MULTI-CHANNEL, MOBILE

Twelve channel ECG recorder for simultaneous acquisition of up to 12 leads at least.
O.F./O.C.

- Real time continuous recording of 12 channels
- Color LCD display of six or twelve -ECG format to be selectable
- Software for ECG measurement and interpretation. Arrhythmia extended recording. Memory for min 40 ECG's.
- Able to communicate with Cardiology Clinical Information system for 12 lead ECG transmission (The same system for CCU monitors)
- Automatic/manual operation modes.
- Digital recorder with selectable presentation of simultaneous recordings. Printing of all channels on a A4 page.
- Mobile cart of same manufacturer
- user manual measurements
- Rechargeable batteries for approximately 40 ECG's.

ACCESSORIES

Power cord, electrodes, 100 sheets of paper. ECG cables with individually replaceable leads, special purpose cart with arm for holding lead wires.

E6A99 INSTRUMENTS SETS

OUTPATIENT SUTURE SET QNTY 2

- | | |
|----------------------------------|-----|
| 1. OPERAT.SCS. 11,5CM STR. SH/SH | x 1 |
| 2. TISSUE FORCEPS 14,5CM 1X2 | x 1 |
| 3. MOSQUITO FCPS. 12,5CM STR. | x 1 |
| 4. CRILE-WOOD NEEDLEHOLDER 15CM | x 1 |

OUTPATIENT SUTURE REMOVAL SET QNTY 2

- | | |
|----------------------------------|-----|
| 1. SPENCER STITCH SCS. 13CM STR. | x 1 |
| 2. ADSON DRESSING FORCEPS 12CM | x 1 |
| 3. ADSON TISSUE FORCEPS 12CM 1X2 | x 1 |

G0C00 STOOL, EXAMINATION

Tubular metal frame, upholstered seat and back rest. Height adjustable, approx. 40-60 cm, gas spring operation. Rotation through 360°. Seat with adjustable back rest. To be wheel moved.

Equipment Specifications

Project : LECHAINA

Item	Description
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G5A00 DENTAL SURGERY UNIT, COMPLETE

Dental surgery unit consisting of:

1. Dental chair, 3 sectioned, electric operation. Suitable for patient weight up to at least 250 Kgr. With removeable anatomic articulated head rest (up-down and forward-backward movements), back tilt and height adjustment. Trendelenburg positioning. Rotation of chair - back in synchronisation with leg support and automatic return in 0 - position. Chair upholstered, in impermeable washable material. Chair functions through integrated control panel as well as through foot switch. At least three memories for preselected positions. Memory for mouth washout positioning and automatic return to the initial position. Right armrest swivelling for side opening. Blocking of chair movements when a handpiece is in function. Switches for direct immobilisation of up-down movement in the presence of an obstacle. Automatic thermal fuse for the interruption of motor function in case of overheating.

2. Dental operating light, adjustable in three dimensions, shadow free, unit mounted. Cold light technology, easy bulb replacement. Light intensity at least 22.000 Lux. at 75 cm distance. Color temp. >4500K.

3. X-ray dental unit with approx. 70 kV generator. To include a compact small digital radiography CMOS sensor for image capture. Sensor total dimensions approx. 35x25mm. Thickness < 7mm. S/N ratio better than 100:1. To be connected to a 15" laptop computer via USB port. Computer to have a special dental software for image processing and storage. Radiation protection study, approval procedure of the study and installation of the necessary radioprotection panels, according to the study, are included in the supply.

4. Module for dental surgeon, chair mounted, with instrument cabling hanging under the level of the unit. Spray and Chip - Blower system for tourbines. Incorporating four lines for four instruments : a) air-turbine, foot switch controlled. At least 300.000 rev/min, effective spray system. Two (2) angle handpieces b) micromotor, foot switch controlled. With capability to choose between clockwise and counterclockwise movement. Internal water spray system, effective system for motor cooling. Two (2) angle handpieces c) ultrasonic piezoelectric scaler with power and water flow control. Internal cooling. Handpiece autoclavable. Six (6) scrapers (two of each type) and two adaptation keys, autoclavable. d) 3 in 1 syringe air motor, with moving tip, autoclavable. Instrument holder with disinfectable tray from durable material, suitable for medical use. X-ray film viewer with viewing area of 115X65 mm.

5. Cuspidor with integrated assistant module incorporating a) 3-position autoelectric holder b) high vacuum suction c) air/water saliva ejector d) spittoon complete with tumbler filler, spittoon flush, spittoon bowl, of diameter approx. 20 cm . Membrane type control switches. Double motor system for waste water evacuation.

6. Suction Unit and air compressor unit.

7. Dental Surgeon's and assistant's stool.

8. Photopolymerization lamp. Wavelength range 400-500 nm with 3 different settings.

9. Complete with purpose made bench with sink, approx. 4m long either straight or placed at the corner according to final room layout. Underbench cupboards and drawers with different heights, as well as wall mounted cupboards suitable for storage of dental instruments and apparatus. Strong polymer rust-free construction with antibacterial properties and suitable for cleaning with strong disinfectants. Bench top approx 25mm thick made from corian with integrated sink. The whole unit is manufactured by specialised manufacturer.

G5E00 AMALGAMISER, DENTAL

High capacity hopper. "Wet and dry" calibration to allow alteration of mixture consistency. Single or double shot mixing. Complete mixing in approx. 10 seconds. Repeat mixing. Size approx. 20h x 12w x 20d cm.

G5F00 CLEANER, ULTRASONIC, DENTAL

Lightweight, one piece, transistorised cleaning stainless steel bath. Approximate capacity 2.2 lts. Automatic tuning, single knob control, integral timer. Complete Complete with lid and accessories. Dimensions appr. 25h x 31w x 20d cm.

G5L00 PULP TESTER

High speed impulse wave generation apparatus with speed adjustment in 3 steps. Digital impulse indication. To include a handpiece with replaceable tip.

Approximate dimensions 20w x 20d x 8h cm.

Equipment Specifications

Project : LECHAINA

Item	Description
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H0A00 X-RAY UNIT, GENERAL, CEILING M TUBE

G/D

Complete X-ray system for universal radiographic examination of patient

O/F, O/C

1.X-ray GENERATOR

Microprocessor controlled, high frequency converter type. Capable of APR, AEC with digital indication of parameters. Electronic timer. Power 60 kW with automatic line compensation with falling load technique and free settings technique. KV range: 40 - 150 KV, mA range to maximum about 600 mA, time range: 1 ms -4 sec, load min 620 mAs. To include self-diagnosis system, storage of error messages and service error indications. Digit display of total area dose of exposures.

2. X - ray TABLE

X-ray oscillating bucky table. Maximum patient weight over 200 kgr independent of table position. Floating table top, height adjustable collision protected. It must have electromagnetic brakes, with longitudinal & lateral movement. To accept film cassettes from 13x18 cm up to 35x43 cm. X-ray density of table top max 1mm Al. To include ionization chamber for AEC.

3. X-ray TUBE/Suspended column

Two (2) focal spot sizes (0,6 mm and 1.2 mm about). Anode Heat storage capacity min 300 KHU and anode cooling rate over 100 KHU/min. Rotation around vertical axis of column ($\pm 150^\circ$), angulation ($\pm 100^\circ$), supplied with electro-magnetic brakes and push or touch button controls. Automatic Beam restrictors with light beam identical to radiation field with automatic collimator and automatic filters. Ceiling suspended with longitudinal (min 3,5m), lateral-transversal (min 1,0 m) travel and vertical movement 1,5 m.

Possibility to be upgraded to digital (DR) with flat panel detectors integrated within the system. Description is requested for this digital upgrade

Installation including all necessary preinstallation works & materials for ceiling suspension of x-ray tube.

H0C13 COMPUTED RADIOGRAPHY SYSTEM ,TABLE TOP

G.D.

Table top system must be compatible with all the radiology systems and consist of:

SYNTHESIS

- A reader with system features high-quality image plate processing, a high-speed cassette-feeder and unique configuration flexibility: from multi-reader, multi-terminal configurations to high-speed network communication. It must have preview capability, throughput of at least 60 plates/hour, for 35 x 43 cassette types, with min 10-pixel/mm spatial resolution depth and a barcode reader to ensure safe and easy cassette handling.

It must support all cassette types, dental.

- A data entry system for patient registration.

CONNECTIVITY

It must include DICOM protocol so the system must be PACS / network ready. A connection with the described PACS system is required

The system must be capable to be connected to any Dry Imager-Printer.

PERFORMANCE

High Resolution :10 pixels/mm

Productivity : min 60 plates/hr for 35 x 43 cm plate size

Output to printer : min 16 bits/pixel

H0R00 BUCKY WALL STAND

Wall stand with motorized movements for radiological examination of standing, sitting or recumbent patients. Height adjustable from approx. 650mm to 1750mm (top of bucky). Tilt from vertical to 20° outwards. Plus tilt through 90° to horizontal. Bucky carriage to extend forwards. Counterbalanced, lockable mechanism. To take film sizes from 180mm by 240mm to 350mm by 430 mm. To include ionization chamber, suitable for AEC. To be connected with item HOA 00. Upper and lower eccentric position for cassettes. To include patient handgrips.

H1A00 APRON, LEAD

Garment suitable for use in routine procedures, fabricated of multi-ply leaded vinyl fabric, configuration to cover from over shoulders through over thighs, 0.5 mm lead equivalent.

H1C01 RACK, APRON, WALL MOUNTED

Rack for storage of lead aprons. Comprising back plate and hanger holder. To be supplied with appropriate number of permanently fixed hangers. To hold approx. six aprons.

H1D00 SHIELD, GONAD, "T" SHAPE

For gonad protection during radiology.

Pure lead covered with hygienic PVC. Lead equivalent 1mm Pb.

T-shape, full range of sizes.

H1E00 SHIELD, OVARIES, ADJUSTABLE

Sets of three sizes, small, medium and large. Made of several layers of flexible lead number encases in vinyl. Lead equivalent 1.0 mm.

Equipment Specifications

Project : LECHAINA

Item	Description
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H1F00 PADS, POSITIONING, FOAM, SET

To be radiotranslucent and have negligible x-ray absorption material flame retardant. Sets to comprise: 2 wedge shaped approx. 75h x 200w x 50d mm. 2 wedge shaped approx. 75h x 275w x 200d mm. 2 wedge shaped approx. 200h x 200w x 200d mm. 1 rectangle shape approx. 75h x 275w x 200d mm. 1 rectangle shape approx. 125h x 200w x 75d mm. 1 head cradle approx. 75h x 275w x 200d mm. 1 head ring approx. 75h x 275d mm. 1 head rest approx. 150h x 150w x 275d mm. 1 head block approx. 100h x 100w x 275d mm.

H2A24 FILM IMAGER/PRINTER, DRY, MEDIUM CAPACITY

G.D.
Dry Technology imager to produce high resolution, multi-format images on film (hard copy). Images obtained during diagnostic radiology procedures, receiving analog/digital data signals

O.F/O.C
Microprocessor controlled.
Capacity : min 50 films/hr
Resolution : min 315 dpi, 12 bits (4096) contrast resolution
Film size : Up to 35 x 43
Formats : Various formats from 1:1 up to 1: 16
Connectivity : DICOM 3 connectivity , inputs for 2 imaging systems

H2J04 CASSETTE, X-RAY FILM, SET, COMPUTED RADIOGRAPHY

Set of CR cassettes for holding x-ray film.
Sizes 18 x 24 cm, 18 x 24 cm (Mammo), 24 x 30 cm (Mammo), 24 x 30 cm 35 x 35 cm, 35 x 43 cm.
Including Imaging plates.
Compatible with CR system.
Each set to include 4 cassettes of each size

H3A01 ILLUMINATOR, X-RAY, WALL MOUNTED, DOUBLE

Two viewing areas with continuous, full width grippers. Wall mounted type with plastic translucent viewing material. Complete with mounting bracket and fixings. Overall size : approx. 550h x 750w x 160d mm. With on/off switch and two separate dimmers for brightness adjustment.

H6B08 TRANSPORTABLE ULTRASOUND SYSTEM

G.D.
·Microprocessor controlled, general purpose ultrasound scanner providing high resolution images. Computerized electronic system facilitating control of all system functions.
-O.F. / O.C.
·Scanning methods: Linear, Convex.
·Display methods: B-Mode (single & dual), M-Mode, B/M-Mode
·Frame rate: max 50 frames / sec
·256 gray scale
·Digital scan converter 512 x 512 x 8 bits
·Cine memory : max 300 frames
·Monitor min 12"

·Measurement & Calculations: 1) General : Distance, Area, Circumference, Volume, Angle, Velocity, Heart Rate, Ratio
2) OB/GYN: Gestational age, Fetal Weight, Estimated date of Delivery,

·Power requirements: 220 V /50Hz.
·Easy to move, weight: max 50 Kg
·Including serial interface
·Probes: Convex probe 2-5 MHz for abdominal OB/GYN purpose
Linear probe 5- 9 MHz for peripheral angiography
·B/W Printer

I1D05 PROTHROMBINE TIME METER

For quick and accurate measurement of prothrombine time, from a small quantity of blood. LCD display, memories for results. Complete with finger pricking device.

Equipment Specifications

Project : LECHAINA

Item	Description
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I2A00 CENTRIFUGE, GENER. PURPOSE, SMALL CAPACITY

Centrifuge with microprocessor controlled operation.
 Variable speed up to 3500 rpm .
 Digital display of speed and time.
 Automatic timer up to 2 h. Position for continuous operation.
 Swing out rotor complete, with buckets and biosafety caps and adapters for 28 x 15 and 36 x 7 ml test tubes.
 Electric brake, electronically controlled.
 Possibility to accept different type rotors (haematocrite, microtiter plate, angle rotor).
 Safety system for automatic switching off in case of imbalance. Imbalance indication.
 Lid lock and interlock.
 Brushless induction system.

I2L00 INCUBATOR, LABORATORY, AEROBIC

Microprocessor-equipped incubator, benchtop model.
 Range of temperature raise from ambient, approx.+ 5° to 70°C.
 Capacity at least 70 lt
 Uniformity <0,5°C. Digital display.
 Safety feature (temperature limit controller) goes up from the control setting (back up temperature regulation system).
 Self diagnostics program.
 Chamber of stainless steel.
 Double door with a heat resistant, safety glass inner door and outer steel door.
 With hermetic closure of the door.
 Include two shelves.

I4A01 MICROSCOPE, GENERAL PURPOSE

Suitable for bright field microscopy applications. Koehler illumination system, at least 12V/30W.
 Infinity corrected optics. Binocular eyepiece tube, inclined, rotatable through 360°, of magnification 10x. Interpupillary distance adjustable.
 Revolving nosepiece 5 place with objectives of magnification 4x, 10x, 20x, 40x, 100x (oil), plan achromatic type. Rackless mechanical stage with tension adjustment, coarse and fine controls (1µm sensitivity). Specimen holder with tension adjustment, X-Y motion.
 Abbe condenser NA 1,25 with carrier for blue filter.

I5A00 PIPETTE, AUTOMATIC, FIXED VOLUME SET

Set of six fixed volume pipettes with disposable tips. Volumes to be (in micro litres) 10, 25, 50, 100, 500, 1000. Dispensing mechanism to be controlled by plunger. Pipettes to have tip ejector button. Pipette shaft, piston and piston spring to be autoclavable. Complete with stand.

I5B00 PIPETTE, AUTOMATIC, VARIABLE VOLUME, SET

Set of five volume pipettes with digital indication of set volume, automatic tip ejector, for disposable tips.
 Volume: 0,5-10µl , 2 to 20µl, 20 to 200µl, 500 to 5000 µl.
 Designed to fit any type of tips
 Easy volume adjustment and calibration.

I6B00 STOOL, LABORATORY

Metal frame, vinyl wipe down upholstery, padded seat. Rotatable 360°. Seat height adjustable between approx. 60-80 cm, size approx. 40 cm diameter. Swivel castors. Height adjustable padded back support.

I6L02 URINE ANALYSER, PORTABLE

To measure at least ten parameters in urine samples. Stick operation.

Equipment Specifications

Project : LECHAINA

Item	Description
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I6L04	BIOBIOCHEMISTRY ANALYSER, SMALL CAPACITY, STRIPS
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G.D.

Biochemistry analyser, small capacity suitable for peripheral medical centres with use of strips

O.F./O.C.

Sample : Whole blood sample, plasma, serum

Sample volume : max 30iL

Result time : Around 3 min

Easy operation :no centrifuge needed , no reagent preparation, no calibration, Automatic parameter detection

Parameters: 15 parameters at least including : Glucose, Triglycerides, Creatinine, Uric acid, K, GPT,GOT,GGT, Biluribin, CK, Hemoglobin , Urea , Cholesterol, etc

Including : Integrated Printer, Display

Set of strips

Data : Patient results storage min 50 exams, Computer interface

K0I02	CABINET FOR EQUIPMENT
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Cabinet for instrument and medical supplies storage.Upper compartment with lockable glass doors and 3 height-adjustable shelves.Lower compartment consists of sheet metal doors with one height adjustable shelf.

Cabinet construction of epoxy coated sheet steel. Adjustable feet.

Approximate dimensions: 90w x 45d x190h cm.