

PVMS OF GYNAECOLOGY

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Clinical Specialty	Obstetrics and Gynaecology
Generic Name	Desktop Fetal Heart Rate Detector
Clinical Purpose	Intermittent Electronic fetal heart rate monitoring
TECHNICAL SPECIFICATIONS	
<p>Desktop type LCD display with visualization of at least fetal heart rate. Ultrasound working frequency in the range 2MHz or more High sensitivity equipment compatible probe: 2 MHz or more Heart rate measurement range not smaller than 50-210 bpm Audio output reproduction of the fetal heart rate with integrated speaker and with headphones. Audio volume control system integrated. Battery backup for 2hrs or more.</p>	
<p>Accessories: 1 bottle of gel for patient application. Local trolley with lockable casters</p>	

Clinical Specialty	Obstetrics and Gynaecology
Generic Name	CTG Machine
Clinical Purpose	Graphic record of Electronic fetal heart rate monitoring
TECHNICAL SPECIFICATIONS	
<p>Single, Twin or Triplet Ultrasound Large LCD Display Fetal monitor for Antepartum monitoring FHR range: 50-240 bpm Ultrasound and transducer with marker and recorder for FHR Sensitive frequency 2Mhz or less (less frequency will be preferred) Alarms: Low Bradycardia, High Tachycardia, Strip chart recorder/ printer Paper width size: 120 mm or more</p>	

Paper/record Speed: 1,2,3 cm/min
Paper easily available with the market
220V/50Hz AC

Accessories:
Mobile Trolley local/imported,

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Clinical Specialty	Obstetrics and Gynaecology
Generic Name	Delivery Bed
Clinical Purpose	Spontaneous vaginal Delivery

TECHNICAL SPECIFICATIONS

Suitable for all stages of labour, also when special medical attention is required

Multiple delivery positions in a single unit

The midwife can easily access the mother from different positions

Can also be used for transportation within the hospital

Electric functions:

- Height adjustment
- Back section adjustment
- Leg section height adjustment
- Trendelenburg

Manual functions:

- Leg section movement in/out
- Leg section tilting

Extra safety features:

- Manual Trendelenburg
- Manual quick release for back section

Mattress base 3 sectional

Safe working load (SWL) 200 kg

Trendelenburg 10° or better

Back section angle 70° or better

Leg section angle 15° or better

Height approx. min-max 580 mm - 955 mm

Bed width approx. 1000 mm or better

Mattress base width approx. 750 mm

Mattress base length approx. min – max 1300–1900 mm

Accessories:

Knee crutches, pair

Squatting bar

Infusion rod

Arm rest

Bowl 12 l

Clinical Specialty	Obstetrics and Gynaecology
Generic Name	Colposcope (Operative)
Clinical Purpose	Visualization of Cervix, Early Detection of Cancer Cervix

TECHNICAL SPECIFICATIONS

The integrated video solutions must be more convenient way to generate images for information, documentation, teaching and presentation purposes. Should have built-in camera systems with factory aligned optics the video solution should work well out of the box

The Colposcope should meet the critical demands you make on a top-class colposcope intended for all-round use

Should be integrated in Gynecological chair

High-intensity fiber optic illumination, via integrated light guide

Convenient, single-hand operation using the ergonomically arranged controls

Large fine focusing range

5-step magnification changer

Wide field optics for the largest possible field of view

Illumination 12 V/100 W cold light, fiber optic illumination, adjustable

Working distance 250 mm, 300 mm

Magnification 3.5x - 21.5x (at working distance 250 mm, 12.5x eyepieces)

Fine focusing 18 mm

Viewing tube Straight, inclined, 180° tilt able tube

Red-free filter Swing-in

Suspension system Suspension mount (connecting tube for examination chair), rollable floor stand

Lifting range +/- 230 mm

Video Camera with Cable

Small hand piece camera with cable 1/3" CCD with direct connection to PC or Laptop

The light & ergonomic hand piece, easy function and high resolution quality

White balance function on camera head

Auto Gain Control, Iris Control & Electrical shutter

Wireless Foot Control

For video & Snapshot Acquisition

PC for above system

Core i5 PC with 1 TB hard drive with PC Trolley

Patient Examination Chair

Professional chair specifically designed for gynecological examinations

Solid construction in metal painted with epoxy powders

3 motors for electrical UP/DOWN, backrest and leg rest movements
 Parts of chair is composed of high density & undeform able foam pelted with bi-elastic
 The padded and pelted arm rests allow a relaxing and protecting sitting position
 Seat movement is self-balanced with backrest, chair can be settled as horizontal position
 Metal basin for liquids placed under the seat
 Paper roll support at back side of the chair
 Soft padded revolving and removable armrest
 Adjustable head rest
 Lifting Capacity: 180 kg
Doctor Stool Pak Made

Clinical Specialty	Obstetrics and Gynaecology
Generic Name	Colposcope (Diagonotic)
Clinical Purpose	Visualization of Cervix, Early Detection of Cancer Cervix

TECHNICAL SPECIFICATIONS

- The Colposcope should meets the critical demands you make on a top-class colposcope intended for all-round use
- High-intensity fiber optic illumination, via integrated light guide
- Convenient, operation using the ergonomically arranged controls
- Illumination 12 V/100 W cold light, fiber optic
- illumination, adjustable
- Working distance 250 mm, 300 mm
- Magnification 3.5x - 21.5x (at working distance 250 mm, 12.5x eyepieces)
- Suspension system Suspension mount (connecting tube for floor stand
- Lifting range +/- 230 mm

Video Camera with Cable

- Small hand piece camera with cable 1/3" CCD attachable to PC or video processor with DVI outputs.
- The light &ergonomical hand piece, easy function and high resolution quality
- White balance function on camera head
- Iris Control & Electrical shutter

PC for above system

- Core i5 PC with 1 TB hard drive with PC Trolley

Clinical Specialty	Obstetrics and Gynaecology
Generic Name	Vaccum extractor with sucker machine
Clinical Purpose	Vaccum delivery
TECHNICAL SPECIFICATIONS	
<p>Oil free and noise free, vibration free suction unit Noise level of maximum 50dB. Aspiration rate of 30 liter per min at 0-640 mmHg Vacuum continuously adjustable Vacuum meter in mmHg or KPa and regulator, on / off switch Casing with carry handle and fitting rail (2) suction tubing and silicone tubing with coupling connection Foot vacuum regulator (2) suction bottle, autoclave able 2 liters each (polysulfone/ Polycarbonate). 10X bacterial filter Vacuum Extractor with various combination of silicon cups Silicon cup 50 mm Silicon 60 mm Silicon 70 mm Sterilizable autoclave able</p>	
Optional (If any): Silicon cup 50 mm	

Clinical Specialty	Obstetrics and Gynaecology
Generic Name	Childbirth Simulator
Clinical Purpose	Teaching aid
TECHNICAL SPECIFICATIONS	

Should be able to demonstrate normal and abnormal labour

Note: Should be provided if skill lab is available

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Clinical Specialty	Obstetrics and Gynaecology
Generic Name	Laparoscope Simulator
Clinical Purpose	Teaching aid
TECHNICAL SPECIFICATIONS	
<p>The simulator should be haptic type with basic Skills software in which trocar entry, hand eye coordination, camera handling, cutting, suturing and coagulation along with tissue handlingshould be available. The system should be upgradeable.</p> <p>UHD 19 inch or above 220v, 50Hz</p>	

Clinical Specialty	Obstetrics and Gynaecology
Generic Name	CPR Training Model
Clinical Purpose	Teaching aid
TECHNICAL SPECIFICATIONS	
<p>Clear anatomic characteristics Simulate vital signs Carotid artery response Open airway Can perform artificial respiration and extracardial compression Electronic monitoring of compression site Indicators show inflation volume and depth Power 220 volt,6V output power via manostat</p>	

Clinical Specialty	Obstetrics and Gynaecology
Generic Name	Gynaecological Examination Model
Clinical Purpose	Teaching aid
TECHNICAL SPECIFICATIONS	
<p>Palpation of normal and pregnant uterus Bimanual and tri manual pelvic examination</p>	

Vaginal examination
 Visual recognition of normal and abnormal cervixes
 Contraceptive instrument insertion and removal
 Observation of uterus, ovary, fallopian tube and ligament teres
 Normal and abnormal uterus and attachment model
 Gravid uterus (5 months fetus)
 Extrauterine pregnancy (ampullary pregnancy)
 6 cervixes with pathologies

Clinical Specialty	Obstetrics and Gynaecology
Generic Name	Breast Examination Simulator
Clinical Purpose	Teaching aid
TECHNICAL SPECIFICATIONS	
<p>Simulate a female upper body, soft skin Can be tilted on the desktop and demonstrate teaching Breast tumour and typical features Hyperplasia of mammary glands Slick fringe of benign tumour and moveable Lot of different size and hardness malignant tumour glands Metastasis of malignant tumour and lymph, intumescence and accretion of absorbant gland in left armpit and clavícula Sagging breasts Suffusion of one side mimalla</p>	

Clinical Specialty	Obstetrics and Gynaecology
Generic Name	Neonate intubation training model
Clinical Purpose	Teaching aid
TECHNICAL SPECIFICATIONS	
<p>Realistic anatomy of neonate Oral and nasal intubation Life like material Directly observe the extension of lungs and stomach by insufflating air into the tube and stomach</p>	

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Clinical Specialty	Obstetrics and Gynaecology
Generic Name	Laparoscope
Clinical Purpose	Operative Laparoscope – Level III & above - for advance setup
<p>TECHNICAL SPECIFICATIONS</p> <p>Equipment mentioned in level</p> <p>Laparoscopes Approx 10 mm 0 deg working length 290-310mm</p> <p>Camera HD with camera control unit and video camera head Pal system, with fibro optic camera cable, with power cable</p> <p>Light 300 watt “IO to specify xenon or LED” (with complete accessories) Technical data Xenon 300 watt lamp life 500 hrs</p> <p>Electronic CO2 insufflator 30 ltr with high pressure tubing with Co2 water (pin index-adopter for filter- liver lock adopter for insufflator, water for high pressure tubing,power cable, tubing for Co2 cylinder)</p> <p>Light guide cable Approx. Length 2.5 meter</p> <p>Medical grade LCD approx. 26 inch</p> <p>Dye cannulas, Rubin elevator Online UPS 1.5 KVA Electrosurgical Generator with auto feedback intelligent system Bipolar coagulation system Mono polar coagulation system with graspers scissors and hooks</p> <p>Stapling devices</p> <p>Clip applicators</p> <p>Trocar with trocar sleeve approx. 10mm (Qty:2)</p> <p>Trocar with trocar sleeve approx 5mm (Qty:2)</p> <p>High flow veres needle for insuflation length 120 mm</p> <p>Suction Irrigation (Qty:1)</p> <p>Reducing sleeve (Qty:1)</p> <p>Scissor approx. 5 mm with straight, curved, parrot beak, Others types of scissors are optional.</p> <p>Grasper (three to four varieties)</p> <p>Marryland 5mm</p> <p>HF cable</p> <p>Video Recorder from the same manufacture (Optional)</p> <p>Gas Cable</p>	

Morcellator**Harmonic Ligasure**

Harmonic GEN II ultrasonic and advance bipolar generator GEN II

Harmonic FOCUS 9cm CURVED SHEAR

Harmonic Head Piece for shears

Blue hand piece for focus shear

Harmonic foot pedal

Harmonic connector

Enseal connector

Generarot cart

Harmonic ACE lap shear

Harmonic ACE open shear

Enseal advance bipolar super jaw open shear

Enseal advance bipolar lap shear

Touch screen display

Standard Ethernet and flash drives ports

Frequency 27 khz to 500 khz

Voltage upto 900 volts

Power upto 200 watts

Accepts 20 ml disposable syringe, reusable

Clinical Specialty	Obstetrics and Gynaecology
Generic Name	Laparoscope
Clinical Purpose	Diagnostic Laparoscope – Level I & II- for basic setup

TECHNICAL SPECIFICATIONS

Laprosopes Approx 10 mm 0 deg working length 290-310mm

Camera HD with camera control unit and video camera head

Pal system, with fibro optic camera cable, with power cable

Light 300 watt "IO to specify xenon or LED" (with complete accessories)

Technical data Xenon 300 watt lamp life 500 hrs

Electronic CO2 insufflator

30 ltr with high pressure tubing with Co2 water (pin index-adopter for filter- liver lock adopter for insuflattor, water for high pressure tubing,power cable, tubing for Co2 cylinder)

Light guide cable

Approx. Length 2.5 meter

<p>Medical grade LCD approx. 26 inch Dye cannulas, Rubin elevator Online UPS 1.5 KVA Electrosurgical Generator with auto feedback intelligent system Bipolar coagulation system Mono polar coagulation system with graspers scissors and hooks Stapling devices Clip applicators Trocar with trocar sleeve approx. 10mm (Qty:2) Trocar with trocar sleeve approx 5mm (Qty:2) High flow veres needle for insuflation length 120 mm Suction Irrigation (Qty:1) Reducing sleeve (Qty:1) Scissor approx. 5 mm with straight, curved, parrot beak, Others types of scissors are optional. Grasper (three to four varieties) Marryland 5mm HF cable Video Recorder from the same manufacture (Optional) Gas Cable</p>
<p>Accepts 20 ml disposable syringe, reusable</p>

Clinical Specialty	Obstetrics and Gynaecology
Generic Name	Hysteroscope
Clinical Purpose	Hysteroscop Diagnostic for basic setup
TECHNICAL SPECIFICATIONS	
<p>Diagnostic Hysteroscope Autoclaveable(diameter 4 - 5mm with fore oblique vision of 30 Degree wide angle) Operative Hysteroscope (diameter 4 – 5.5mm) with fore oblique vision of 12/30 degree Operative channel for 7FR instrumentation Hysteroscope Diagnostic Sheath with obturator for 4mm</p>	

Continuous flow sheath for 4 mm telescope**Rod lens system** (dia 3 – 5 mm) (length 1800 – 3500 cm cable)**Light source**

300 watts

Xenon lamp or LED light source (IO to specify)

Video system**Endoscope video camera**

HD camera

Hysteroflator**Biopsy Forceps Flexible 7 FR 40cm****Scissor Flexible 7 FR 40cm****Medical Grade Monitor 26 inch or more**

Clinical Specialty	Obstetrics and Gynaecology
Generic Name	Hysteroscope
Clinical Purpose	Hysteroscope Operative for Basic Setup
TECHNICAL SPECIFICATIONS	
Operative Hysteroscope (diameter 4 – 5.5mm) with fore oblique vision of 12/30 degree Operative channel for 7 Fr instrumentation Light source 300 watts xenon/LED light source Video system Endoscope video camera 3 chip HD camera Electrosurgical unit With wattage display Laser Neodymium: yttrium-aluminium garnet (Nd:YAG laser) Electrodes Loop electrode Needle electrode Hook electrode	