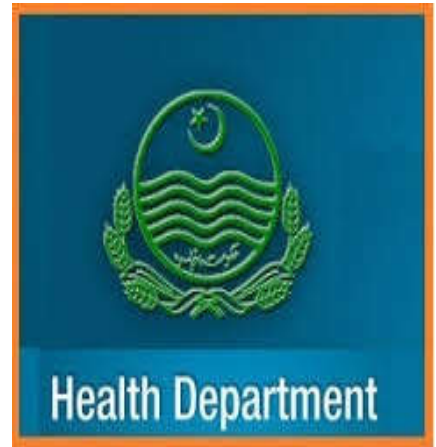


**SPECIALIZED HEALTH CARE AND
MEDICAL EDUCATION
DEPARTMENT**

GOVERNMENT OF THE PUNJAB

**PRODUCT VOCABULARY MEDICAL
STORE (PVMS) OF ENT**



Volume - I , 2016

Table of Contents

EAR Surgtery Set	4
Functional Endoscopic Sinus Surgery Complete Set (FESS)	8
Rigid Bronchoscope Adult with Optical Forceps.....	12
Head Light	14
Rigid Bronchoscope Paeds with Optical Forceps.....	15
Direct Laryngoscope set with Optics	17
Esophagoscope Adult with Optical Forceps.....	20
Rigid Esophagoscope Peads with Optical Forceps.....	22
Video Rhino Laryngoscope.....	24
Antral Wash Out Set	25
Anterior Skull Base Set.....	27
Basic Rhinoplasty Set	30
Cochlear Implantation Set	34
Mastoidectomy Set.....	37
Micro Laryngeal Instrument	41
Middle Ear Micro Ear Surgery Set.....	43
Middle Ear Surgery Tympanoplasty And Stapedotomy Set.....	47
Myringotomy Set	51
Nasal Bone Fracture Reduction Set	53
Nasal Endoscope	54
Nasal Splint	55
Image Guided Optical (Navigation) System	56
Neck Dissection Set.....	59
Otoplasty Set.....	64

Septoplasty Set	67
Septum Surgery Set.....	69
Special Rhinoplasty Set	72
SMR Set	74
CO2 Laser for ENT	76
Flexible Nasopharyngoscope for ENT	77
Portable Flexible Nasopharyngoscope for ENT.....	78
ENT unit combined.....	79
Diagnostic Audiometer	81
Tympanometry.....	82
Otoacoustic emission system	83
Auditory Evoked Potential system	84
General Surgery Set for ENT	85
Mastoid Drill System	87
Tonsilectomy Instrument Set	88
Video Otoscope System	90
StorboSCOPE	91
Patient Nerve Monitor	92
Operating Microscope for ENT	93

Generic Name	EAR Surgery Set
Clinical Purpose	To repair hearing loss by replacing a middle ear bone with a prosthesis
TECHNICAL SPECIFICATIONS	
<p>FISCH-Elevator, double ended, one side elevator, blunt, other side scalpel handle No. 7, WULLSTEIN Elevator, 18 cm FISCH Dure-Elevator, 17 cm, 5 mm wide FISCH Periosteal Elevator, sharp, angled, length 21 cm WEITLANER Retractor, 2 x 3 prongs, blunt, length 11 cm WEITLANER Retractor, 3x4 prongs, sharp, length 13 cm HARTMANN Ear Forceps, very fine, serrated, working length 8 cm FISCH-HARTMANN Ear Forceps, serrated, delicate, 1.2 mm x 8 mm, working length FISCH Ear Forceps, very fine, smooth, 0,4 x 3,5 mm, working length 8 cm Posigator-Forceps, straight, with spring, smooth, 4 mm, Working length 8 cm Ear Forceps, very fine, serrated, working length 8 cm, curved right Ear Forceps, very fine, serrated, working length 8 cm, curved left Ear Forceps, very fine, serrated, working length 8 cm, curved upwards. WULLSTEIN Ear Forceps, very fine, oval cupped jaws, working length 8 cm, 0.6 mm WULLSTEIN Ear Forceps, very fine, oval cupped jaws, working length 8 cm, 0.9 mm WULLSTEIN Ear Forceps, very fine, oval cupped jaws, working length 8 cm, 0.9 mm, curved right. WULLSTEIN Ear Froceps, very fine, oval cupped jaws, working length 8 cm, 0.9 mm, curved upwards. HOUSE-DIETER Malleus Nipper, working length 8 cm, upbiting. FISCH-DIETER Malleus Nipper, upbiting, very delicate, tip 0.8 mm wide, working length 8 cm WULLSTEIN Scissors, working length 9 cm, delicate, straight WULLSTEIN Scissors, working length 9 cm, delicate, curved upwards WULLSTEIN Scissors, working length 9 cm, delicate, curved left. WULLSTEIN Scissors, working length 9 cm, delicate, curved right. WULLSTEIN Scissors, working length 8 cm, very delicate, straight. FISCH Cruotomy Scissors, working length 7.5 cm, curved right. FISCH-BELLUCCI Micro Ear Scissors, beaked scissors blades, blades 7 mm, working length 8 cm HOUSE-BELLUCCI Scissors, working length 8 cm, very delicate.</p> <p>Ear Hook, without ball end, 15.5 cm, size 1 BUCK Curette, sharp, 14.5 cm, size 0 BUCK Curette, sharp, 14.5 cm, size 00 PLESTER Knife, round, vertical, 16 cm, standard size 3.5 x 2.5 mm PLESTER Knife, round, vertical, 16 cm, medium size 4.0 x 2.0 mm. PLESTER Knife, round, vertical, 16 cm, large size 4.5 x 2.5 mm.</p>	

PLESTER Sickle Knife, double-edged, standard model, slightly curved, length 16 cm
PLESTER Sickle Knife, double edge, 16 cm, medium curved.
PLESTER Sickle Knife, double edge 16 cm, strongly curved.
PLESTER Sickle Knife, double edge, length 16 cm, curved, very delicate
KLEY Knife. Footplate, 16 cm
Sickle Knife, extra delicate, shaft slightly curved, length 18 cm
SEIFFERT probe for salivary duct, very delicate, silver, length 18 cm
ROSEN Elevator, 16 cm
BEALES Soft Tissue Elevator, curved, 1.5 mm wide, length 16 cm
Hughes Elevator Dissector, extra small, 1.1 mm wide, length 16 cm
HOUSE Elevator, tip angled 15°, 12 mm long, 1.0 mm wide, length 16 cm
BEHRBOHM Dissector, for dissection in the area of paranasal sinuses, skullbase and temporal bone, sharp, flat long spatula, tip angled 15°, with round handle, size 2 mm, length 17 cm
BEHRBOHM Dissector, for dissection in the area of paranasal sinuses, skullbase and temporal bone, sharp, slightly curved spatula, with round handle, size 3 mm, length 17 cm
BEHRBOHM Dissector, for dissection in the area of paranasal sinuses, skullbase and temporal bone, sharp, round spatula, tip angled 45°, with round handle, size 3 mm, length 17 cm
Mirror. For Antrum and Attic Inspection. Stainless steel.
HÖHMANN Micro Mirror for internal auditory meatus and cerebello-ontine angle, metal, stainless steel, angled 45°, oval, size 2.5 mm x 5 mm, length 16 cm
Seeker, ball end angled 45°, 15.5 cm, size 3.
Seeker, delicate, angled 25°, with ball end O.D. 0.6 mm, length 16 cm
Seeker, delicate, angled 25°, with ball end 1 mm O.D., length 16 cm
Seeker, delicate, angled 25°, with ball end 1.5 mm O.D., length 16 cm
HOUSE Curette, large, spoon sizes 2 x 3.2 mm and 1.6 x 2.6 mm, length 15 cm
HOUSE Curette, small, spoon sizes 1 x 1.6 mm and 1.3 x 2 mm, length 15 cm
HOUSE Curette, medium, spoon sizes 1 x 1.8 mm and 2 x 2.8 mm, Länge 15 cm
HOUSE Curette, angled, extra small, spoon sizes 0.6 x 0.8 mm and 0.8 x 1 mm, length 17 cm
HOUSE Curette, straight, extra large, spoon sizes 2.3 x 3.5 mm and 2.7 x 4.3 mm, length 15 cm
HOUSE Curette, large, spoon sizes 2.8 x 3.2 mm and 2.6 x 3.5 mm, length 16 cm
HOUSE-BABIGHIAN Curette, toothed, extra large, spoon sizes 2.4 x 3.4 mm and 2.6 x 4 mm, length 16 cm
WULLSTEIN Needle, 16.5 cm, strong long curve.
WULLSTEIN Needle, 16.5 cm, strong short curve.
WULLSTEIN Needle. 16.5 cm, light curve.
WULLSTEIN Needle, 16.5 cm, straight.
PLESTER Guide, 15.5 cm
PLESTER Hook, 15.5 cm, retrospective, 2 mm, to granulate the underside of the tympanic membrane.
Hook, footplate, 16 cm, 0.2 mm.
PLESTER Hook, footplate, 16 cm, 0.6 mm.
FISCH Hook, footplate, curved up, 0.2 mm, length 16 cm

FISCH Hook, footplate, curved down, 90°, 0.2 mm, length 16 cm
 SHEEHY-HOUSE Chisel, footplate, straight, 0.6 mm wide, length 16 cm
 HEERMANN Hook, reinforced, 16 cm, retrospective, 0.8 mm.
 Protection Tube, metal, 6 cm, for ear instruments
 Pick 90°, 16 cm, 0.4 mm
 Pick 90°, 16 cm, 5.0 mm
 FISCH Micro Raspatory, double curved, right, length 16 cm
 FISCH Micro Raspatory, curved, right, length 16 cm
 DALCHOW Micro Raspatory, width 1.5 mm, curved, right, length 16 cm
 CRABTREE Dissector Pick, flattened tip 90°, 0.5 mm wide, 1.5 mm long, length 16 cm
 LEMPERT Elevator, sharp, curved right, width 1,5 mm, length 15,5 cm
 THOMASSIN Dissector, double- ended, 18 cm, tips curved right and left
 DRAF Micro Elevator, sharp, curved 90°, 0.5 mm wide, round handle, length 16,5 cm
 FISCH Neurectomy Knife, 16 cm
 FISCH Measuring Rod, length 16 cm
 FISCH Measuring Rod, curved, length 16 cm
 Round Knife 0°, straight, 16 cm diameter: 0.1 mm.
 Round Knife 0°, straight, 16 cm, diameter: 2.3 mm.
 Round Knife 0°, straight, 16 cm, diameter 3.0 mm
 Round Knife, angled 25°, length 16 cm, diameter 1.0 mm
 Round Knife 45°, 16 cm, diameter: 1.0 mm.
 Round Knife 90°, 16 cm, diameter: 1.0 mm.
 SCHUKNECHT Wire Bending Die
 FISCH-McGEE Wire Crimper, working length 8 cm.
 FISCH-McGEE Wire Crimper, working length 8 cm, curved right
 FISCH-McGEE Wire Crimper, working length 8 cm, curved left
 Vein Press, LÜBECK model, diameter 38 mm
 Knife, round, 45°, diameter 3 mm, length 17,5 cm
 BABIGHIAN Elevator, slightly curved, blunt, 3 mm wide, length 17.5 cm
 BABIGHIAN Micro Elevator, curved, blunt, 1 mm wide, length 17.5 cm
 Metal Tray for sterilizing and storage of of 14 straight and 6 angled BABIGHIAN instruments perforated, bottom part with holder, lid
 with silicon bridges and handle, external dimensions (w x d x h) 285 x 175 x 36 mm
 Round Knife 90°, bayonet-shaped, curved upwards, diameter: 1.5 mm, length 18.5 cm
 Round Knife 90°, bayonet-shaped, curved downwards, diameter: 1.5 mm, length 18.5 cm
 Tenotome, sickle knife, curved downwards, bayonet-shaped, delicate, length 18,5 cm

Accessories:

Sterilization system complete consisting of standard accessories or following
 Container Bottom
 Container Lid
 Wire Basket

Silicone mat Wrapping Drapes
Optional (If any):

APPROVED PVMS

Generic Name	Functional Endoscopic Sinus Surgery Complete Set (FESS)
Clinical Purpose	Functional endoscopic sinus surgery (FESS) is a surgical treatment of sinusitis and nasal polyps, including bacterial, fungal, recurrent acute, and chronic sinus problems. FESS uses nasal endoscopes to restore drainage of the paranasal sinuses and ventilation of the nasal cavity
TECHNICAL SPECIFICATIONS	
<u>HAND INSTRUMENT SET FOR FESS</u>	
<p>Straight Forward Telescope 0°, enlarged view, diameter 4 mm, length 17.5cm to 18 cm, autoclavable, fiber optic light transmission incorporated, color code: green</p>	
<p>Forward-Oblique Telescope 30°, enlarged view, diameter 4 mm, length 17.5 cm to 18 cm, autoclavable, fiber optic light transmission incorporated, color code: red</p>	
<p>Lateral Telescope 70°, enlarged view, diameter 4 mm, length 17.5 cm to 18 cm, autoclavable, Fiber optic light transmission incorporated, Color code: yellow</p>	
<p>Forward-Oblique Telescope 45°, enlarged view, diameter 4 mm, length 17.5 cm to 18 cm, autoclavable, Fiber optic light transmission incorporated, Color code: black</p>	
<p>Straight Forward Telescope 0°, enlarged view, diameter 2.7mm, length 17.5 cm to 18 cm, autoclavable, fiber optic light transmission incorporated</p>	
<p>Straight Forward Telescope 30°, enlarged view, diameter 2.7mm, length 17.5 cm to 18 cm, autoclavable, fiber optic light transmission incorporated</p>	
<p>Straight Forward Telescope 70°, enlarged view, diameter 2.7mm, length 17.5 cm to 18 cm, autoclavable, fiber optic light transmission incorporated</p>	
<u>Shaver System For FESS</u>	
<p>ENT motor system with display, two motor outputs, integrated irrigation pump and integrated module,</p>	
Including:	
ENT motor system	
Mains Cord	
Irrigator Rod	
Single / Two-Pedal Footswitch, two-stage, with proportional function	
Silicone Tubing Set, for irrigation, sterilizable	

Clip Set, for use with Tubing Set
Connecting Cable, length 100 cm
Single Use Tubing Set, sterile, package of 3

Shaver Hand piece, for use ENT oscillation mode range from 3000 to 10000

Suction Shaver Blade with integrated irrigation for Hand piece, straight, Autoclavable, double serrated cutting edge, rectangular cutting window, diameter 4 mm, length 12 cm, color code: blue-yellow for use with Hand pieces

Suction Shaver Blade with integrated irrigation for Hand piece straight, Autoclavable, concave cutting edge, oval cutting window, diameter 4 mm, length 12 cm, color code: blue-green, for use with Hand pieces

Suction Shaver Blade with integrated irrigation for Hand piece straight, Autoclavable, serrated cutting edge, rectangular cutting window, diameter 3 mm, length 12 cm, color code: blue- red for use with Hand pieces

Suction Shaver Blade with integrated irrigation for Hand piece angled, Autoclavable, cutting edge serrated backwards, double serrated, rectangular cutting window, diameter 4 mm, length 12 cm for use with Hand pieces

Nasal Forceps, straight, with cleaning connector, working length 13 cm

Nasal Forceps, 45° upturned, with cleaning connector, working length 13 cm

Nasal Forceps, straight, through-cutting, tissue-sparing, BLAKESLEY shape, width 3 mm, with cleaning connector, working length 13 cm

Antrum Grasping Forceps, jaws curved downwards, fixed jaw curved, movable jaw backward opening 120°, with cleaning connector, working length 10 cm

Antrum Grasping Forceps, jaws curved to right, fixed jaw curved, movable jaw backward opening with cleaning connector, working length 10 cm

Nasal Scissors, straight, with cleaning connector, working length 13 cm

Bipolar Suction Forceps, 45° upturned, with suction channel, for bipolar coagulation in para nasal areas, working length 12.5 cm, for use with Bipolar High Frequency Cords

Bipolar High Frequency Cord, for Bipolar Suction Forceps and Bipolar Forceps length 450 cm

Punch, circular cutting, for sphenoid, ethmoid and choanal atresia, diameter 3.5 mm, with cleaning connector, working length 18 cm, including Cleaning Tool

KAMEL Punch, 45° upturned, punch head diameter 4.5 mm, circular cutting, with cleaning connector, working length 13 cm

Frontal Ostium Seeker, double ended, both sides curved, tips bent right and left, length 22 cm

Antrum Curette, oblong, small size, length 19 cm

Antrum Cannula, LUER-Lock/Equivalent, short curved, outer diameter 2.5 mm, length 12.5 cm

Suction Tube, with mandrel and cut-off hole, with distance marking at 5 - 9 cm, 9 Fr., working length 10 cm

Sickle Knife, pointed, length 19 cm

Elevator, double-ended, semi sharp and blunt, length 20 cm

Endo Vision System for FESS

High Definition CCD/CMOS Camera System

HD CCU Control Unit (CCU), max. Resolution 1920 x 1080 Pixel

Separate Image Capturing Module: should have still images and video recording facilities
Integrated / Separate Medical Graded Video Recorder with storage capacity of 2 TB or more

Consisting of:

Full HD Image Capturing system

Mains Cord

DVI connecting cable, length 300 cm

2x Recording control cables

Print out Facility

USB or Hard Drive for recording purpose

Camera head, CCD/CMOS HD Camera Head max. resolution

1920 x 1080 pixel Progressive Scan, 50Hz/60Hz with 2 freely

programmable Camera Head buttons, with integrated Par focal-Zoom

focal length $f = 15 - 31\text{mm}$ (2x) For use with color system PAL and NTSC.

High-Performance LED Cold Light Fountain with one light outlet

Including:

Mains cord

Fiber Optic Light Cable, with straight connector, diameter 4.8 mm, length 300 cm

21" or more LCD/LED Medical Graded Monitor

including:

External 24 VDC Power Supply Mains Cord

Trolley Powder Coated Rides on 4 Antistics, Dual Wheels,

All under mention Items quoted should be a same brand separately and compatible for all following unit:

- 1) Basic Hands Instruments for FESS
- 2) Shaver system
- 3) Endovision system

Optional items

- DCR Intranasal Drill to be use with shaver system
- DCR Burrs

Accessories:

Sterilization system complete consisting of standard accessories or following.

Container Bottom

Container Lid

Wire Basket

Silicone mat

Wrapping Drapes

Optional items

- DCR Intranasal Drill to be use with shaver system
- DCR Burrs

Generic Name	Rigid Bronchoscope Adult with Optical Forceps
Clinical Purpose	Bronchoscopy is an endoscopic technique of visualizing the inside of the airways for diagnostic and therapeutic purposes. An instrument (bronchoscope) is inserted into the airways, usually through the nose or mouth, or occasionally through a tracheostomy. Rigid bronchoscopy is used for retrieving foreign objects.
TECHNICAL SPECIFICATIONS	
<p>Universal Bronchoscope, Size 8.5 to 12 mm, outer diameter 8-12 mm, inner diameter 7-10 mm, length 36-43 cm, with Fiber Optic Light Carrier</p> <p>Universal Bronchoscope, size 6.5 to 10 mm, outer diameter 7-10 mm, inner diameter 6-9 mm, length 36-43 cm, with Fiber Optic Light Carrier</p> <p>Glass Window Plug</p> <p>Rubber Telescope Guide</p> <p>FLUVOG Adaptor with sliding glass window plug, sealing cap, notched lens and keyhole opening, movable or equivalent</p> <p>Injection Cannula or equivalent, for positive pressure assisted ventilation system, LUER-Lock or equivalent, outer diameter 3.5 mm, for use with</p> <p>Adjustable Magnifier, swing-away type, with ring adaption, autoclave able Adaptor for respirator</p> <p>Straight Forward Tele- scope 0°, diameter 5 to 5.5 mm, length 49-50 cm, autoclave able. Fiber optic light transmission</p> <p>Optical Forceps, alligator, for hard foreign bodies, large jaws, with spring-action handle for use with telescopes or equivalent</p> <p>Optical Forceps, for peanuts and soft foreign bodies, with spring-action handle, for use with telescopes or equivalent</p> <p>Optical Forceps, universal, for biopsy, for removal of foreign bodies and denatured tissue for use with telescopes or equivalent</p> <p>Forceps, alligator, for hard foreign bodies, double-action jaws, sheath diameter 2.5 mm,</p>	

working length 50 cm or equivalent

Forceps, pointed, serrated, for coins and flat foreign bodies, double-action jaws, sheath diameter 2.5 mm, working length 50 cm or equivalent

Forceps, for peanuts and soft foreign bodies, double-action jaws, jaw width 7 mm, sheath diameter 2.5 mm, working length 50 cm or equivalent

Rigid Suction Tube, length: 50 cm

Cotton Carrier, working length 50 cm

Sponge Holder, with spring handle, working length 50 cm

Foreign Body Basket, with ring handle, working length 50 cm

Xenon/LED , High-Performance LED Cold Light Fountain with one light
Including: Mains cord.

Fiber Optic Light Cable, with straight connector

Minor deviation in sizes is acceptable

Accessories:

Sterilization system complete consisting of standard set or as follows.

Container Bottom

Container Lid

Wire Basket

Silicone mat

Wrapping Drapes

Optional (If any):

Generic Name	HEAD LIGHT
Clinical Purpose	Head Light used during inspection and surgery of Ear Nose and Throat.
TECHNICAL SPECIFICATIONS	
LED Headlight white light, lightweight model, control unit and rechargeable battery box on headband, charging unit, illumination area adjustable in diameter with 40 cm working distance.	
<p>Including: LED Headlight Battery Box Charger USB Headband</p> <p>including: Mains cord</p>	
Accessories:	
Optional (If any):	

Generic Name	Rigid Bronchoscope Paeds with Optical Forceps
Clinical Purpose	Bronchoscopy is an endoscopic technique of visualizing the inside of the airways for diagnostic and therapeutic purposes. An instrument (bronchoscope) is inserted into the airways, usually through the nose or mouth, or occasionally through a tracheostomy. Rigid bronchoscopy is used for retrieving foreign objects.
TECHNICAL SPECIFICATIONS	
<p>Bronchoscope, length 20 to30 cm, size 5-6 mm</p> <p>Bronchoscope, size 4 to 5 mm , outer diameter 4-6 mm, inner diameter 6-7 mm, length 20 to30 cm</p> <p>Bronchoscope, size 3.5 to 5 mm, outer diameter 5-7 mm, inner diameter 5 mm, length 30-40 cm</p> <p>Prismatic Light Deflector autoclave able, with connection to fiber optic light cable or equivalent</p> <p>Glass Window Plug or equivalent</p> <p>Rubber Telescope Guide for use with telescopes or optical forceps or equivalent</p> <p>FLUVOG Adaptor with sliding glass window plug, sealing cap or equivalent Notched lens and keyhole opening, moveable or equivalent</p> <p>Adjustable Magnifier, swing-away type, with ring adaption, Autoclave able Adaptor for respirator</p> <p>Injection Cannula/ equivalent, for positive pressure assisted ventilation system, LUER-Lock/equivalent, outer diameter 3.5 mm, for use with Bronchoscope Models</p> <p>Straight Forward Telescope 0°, diameter 2.9 mm, length 30-36 cm, autoclave able, fiber optic light transmission incorporated, color code: green</p> <p>Optical Coin Forceps for Pediatric Broncho-Oesophago scope, 2 x 2 teeth, for use with telescope forced controlled handle for removal of coins and flat foreign bodies or equivalent</p> <p>Optical Alligator Forceps for Pediatric Broncho-Oesophagoscope, for use with telescope forced</p>	

controlled handle for removal of hard foreign bodies or equivalent

Optical Forceps, with spring- action handle for controlled removal of peanuts and soft foreign bodies, for use with Telescope or equivalent

Forceps alligator, for hard foreign bodies, double action jaws, sheath diameter 1.5 mm, working length 35 or equivalent

Forceps, for peanuts and soft foreign bodies, double-action jaws, sheath diameter 1.5 mm, working length 35 cm or equivalent

Rigid Suction Tube, outer diameter 3 mm, working length 35 cm or equivalent

Cotton Carrier, working length 35 cm or equivalent

Sponge Holder, working length 35 cm or equivalent

Foreign Body Basket with ring handle, working length 35 cm or equivalent

LED /Xenon, High-Performance LED Cold Light Fountain with one light outlet

including:

Mains cord

Fiber Optic Light Cable, with straight connector

Minor deviation in sizes will be acceptable

Accessories:

Sterilization system complete consisting of standard set or as follows.

Container Bottom

Container Lid

Wire Basket

Silicone mat

Wrapping Drapes

Optional (If any):

Generic Name	Direct Laryngoscope set with Optics
Clinical Purpose	Laryngoscopy is a visual examination below the back of the throat, where the voice box (larynx) containing the vocal cords is located. It is an effective procedure for discovering the causes of voice and breathing problems, pain in the throat or ear, difficulty in swallowing, narrowing of the throat (strictures or stenosis), and blockages in the airway.
TECHNICAL SPECIFICATIONS	
<p>Laryngoscope Adult Size Length 17 to 18 cm with Telescope guide tube integrated inside the lumen with integrated 70/90 Dig Telescope Length 18cm Dia 4mm autoclave able, fiber optic light transmission incorporated,</p> <p>(KLEINSASSER) Operating Laryngoscope for adults, large, length 17 to 18 cm</p> <p>KLEINSASSER Operating Laryngoscope, for adults, medium, length 17 to18 cm (for anterior commissure)</p> <p>(KLEINSASSER) Operating Laryngoscope for children, small, length 15 cm</p> <p>(KLEINSASSER) Operating Laryngoscope for infants, small, length 13 cm</p> <p>Clip for proximal illumination</p> <p>Fiber Optic Light Carrier, for distal illumination, working length 14 cm, for use with Laryngoscopes and Diverticulo scopes</p> <p>Fiber Optic Light Carrier for distal illumination, working length 7.5 cm, for use with Laryngoscopes</p> <p>(KLEINSASSER) / Laser Laryngoscope modified for CO2-LASER surgery, for children, with lateral outer channels for suction tube to remove vapor and/or for fiber optic light carrier, length 15 cm</p> <p>Laryngoscope Holder and Chest Support, Including: Laryngoscope Holder, with adjustment wheel / chest support for adult Support Rod, movable, with metal ring, diameter 9 cm, length 34 cm</p>	

(KLEINSASSER) Forceps, straight, with 2 mm cupped jaws, with cleaning connector, working length 23 cm

(KLEINSASSER) Forceps, curved upwards, with 2 mm cupped jaws, with cleaning connector, working length 23cm

(KLEINSASSER) Forceps, curved to right, with 2 mm cupped jaws, with cleaning connector, working length 23 cm

(KLEINSASSER)Forceps, curved to left, with 2 mm cupped jaws, with cleaning connector, working length 23 cm

(KLEINSASSER) Miniature Forceps, straight, with 1 mm cupped jaws, sheath conically reinforced from distal to proximal end, with cleaning connector, working length 23 cm

(KLEINSASSER) Miniature Forceps, curved upwards, with 1 mm cupped jaws, sheath conically reinforced from distal to proximal end, with cleaning connector, working length 23 cm

(KLEINSASSER) Miniature Forceps, curved to right, with 1 mm cupped jaws, sheath conically reinforced from distal to proximal end, with cleaning connector, working length 23 cm

(KLEINSASSER) Miniature Grasping Forceps, straight, serrated, sheath conically reinforced from distal to proximal end, with cleaning connector, working length 23 cm

(KLEINSASSER) Miniature Grasping Forceps, curved to right, serrated, sheath conically reinforced from distal to proximal end, with cleaning connector, working length 23 cm

(KLEINSASSER) Scissors, straight, with cleaning connector, working length 23 cm

Micro Forceps, straight, with 1 mm cupped jaws, with cleaning connector, working length 20 cm

Micro Forceps, curved upwards, with 1 mm cupped jaws, with cleaning connector, working length 20 cm

Spoon Forceps, straight, with 2 mm cupped jaws, with cleaning connector, working length 23 cm, with suction channel to remove LASER vapors

(KLEINSASSER) Grasping Forceps, straight, serrated, with cleaning connector, working length 18 cm

Micro Grasping Forceps, curved upwards to right, serrated, with triangular fenestrated jaws, with cleaning connector, working length 18 cm

(LINDHOLM) Forceps, for atraumatic retraction of true vocal cords and false vocal cords, distal

end with blunt curved blades, self-retaining, with ratchet and cleaning connector, working length 24 cm

Sickle Knife curved, delicate, 3 to 1 mm tapered shaft, total length 23 cm

(KLEINSASSER) Suction Tube, outer diameter 3 mm, working length 23 cm

(KLEINSASSER) Suction and Coagulation Cannula, outer diameter 3 mm, working length 26 cm, for use with unipolar High Frequency Cords

Unipolar High Frequency Cord, with 5 mm plug, length 300 cm,

Bipolar Forceps, jaws upturned, for bipolar coagulation in larynx, working length 23 cm, for use with Bipolar High Frequency Cords

Bipolar High Frequency Cord, with two 2 mm cable sockets for Bipolar Suction Forceps and Bipolar Forceps length 450 cm

High-Performance LED Cold Light Fountain,

including:

Mains cord

Fiber Optic Light Cable, with straight connector, diameter 3.5 mm or better, length 180 cm

Accessories:

Sterilization system complete consisting of standard set or as follows.

Container Bottom

Container Lid

Wire Basket

Silicone mat

Wrapping Drapes

Optional (If any):

Generic Name	Esophago scope Adult with Optical Forceps
Clinical Purpose	Esophagoscopy is a diagnostic procedure to evaluate the esophagus or swallowing passage. Problems identified can include foreign objects, inflammation, signs of gastroesophageal reflux disease, narrowing or tumor growths. The procedure is performed under a general anesthetic. It can be performed with soft flexible scopes or rigid scopes depending on the situation.
TECHNICAL SPECIFICATIONS	
<p>Oval Operating Esophagoscope. Length: 50 cm. Size: 12 x 16</p> <p>Esophagoscope, oval, for distal and proximal illumination, length 40 cm, O.D. 12 mm x 16 mm, for use with fiber optic light carrier and/or prismatic light deflector</p> <p>Oval Operating Esophagoscope. Length: 30 cm. Size: 8 x 12</p> <p>Fiber Optic Light Carrier for use with esophagoscopes, length 50 cm</p> <p>Fiber Optic Light Carrier for use with esophagoscopes, length 40 cm</p> <p>Fiber Optic Light Carrier for use with esophagoscopes, length 30 cm</p> <p>Adjustable Magnifier, swing-away type, with ring adaption, autoclave able Handle</p> <p>Straight Forward Tele- scope 0°, diameter 5.5 mm, length 53 cm, autoclave able. Fiber optic light transmission Incorporated. Color code: green</p> <p>Esophagoscope Tube, size 11, outer diameter 12 mm, for use with fiber optic light transmission working length 50 Cm</p> <p>Tube-insert, with instrument channel and anti-Fog-device, for use with esophagoscope-tube and straight forward Telescope</p> <p>Window for Esophagoscope</p> <p>Rubber insufflation bulb, with detachable tube, with LUER-lock/equivalent connector, Including: Rubber bulb Rubber tube</p>	

Optical Forceps, for peanuts, big and soft foreign bodies, double-action jaws, working length 55 cm

Optical Forceps, alligator, for hard foreign bodies with large jaws, double-action jaws, working length 55 cm

Telescope Guide, for use with esophagoscopes, length 50 cm

Forceps, alligator, for hard foreign bodies, double-action jaws, sheath diameter 2.5 mm working length 55 cm

Forceps, for peanuts and soft foreign bodies, double action jaws, sheath diameter 2.5mm, working length 55cm

Rigid Suction Tube, outer diameter 4 mm, working length 55 cm

Cotton Carrier, working length 55 cm.

Sponge Holder, spring handle, working length 55 cm

Foreign Body Basket, with ring handle, working length 50 cm

LED, High-Performance LED Cold Light Fountain with one light outlet,
including:

Mains cord

Fiber Optic Light Cable, with straight connector, diameter 3.5 mm, length 180 cm

Accessories:

Sterilization system complete consisting of standard set or as follows.

Container Bottom

Container Lid

Wire Basket

Silicone mat

Wrapping Drapes

Optional (If any):

Generic Name	Rigid Esophagoscope Peads with Optical Forceps
Clinical Purpose	Esophagoscopy is a diagnostic procedure to evaluate the esophagus or swallowing passage. Problems identified can include foreign objects, inflammation, signs of gastroesophageal reflux disease, narrowing or tumor growths. The procedure is performed under a general anesthetic in children. It can be performed with soft flexible scopes or rigid scopes depending on the situation.
TECHNICAL SPECIFICATIONS	
<p>Esophagoscope Tube, length 30 cm, size 6</p> <p>Esophagoscope Tube, length 30 cm, size 5</p> <p>Esophagoscope Tube, length 18,5 cm, size 3</p> <p>Prismatic Light Deflector autoclave able, with connection to fiber optic light cable</p> <p>Rubber Telescope Guide for use with telescopes or optical forceps</p> <p>Telescope Bridge for connection with Telescope</p> <p>Straight Forward Telescope 0°, diameter 2.9 mm, length 36 cm, autoclave able, fiber optic light transmission incorporated, color code: green</p> <p>Optical Coin Forceps for Pediatric Broncho-Esophagoscopes, 2 x 2 teeth, for use with telescope forced controlled handle for removal of coins and flat foreign bodies</p> <p>Optical Alligator Forceps for Pediatric Broncho-Esophagoscopes, for use with telescope , forced controlled handle for removal of hard foreign bodies</p> <p>Optical Forceps, with spring- action handle for controlled removal of peanuts and soft foreign bodies, for use with Telescope</p> <p>Forceps alligator, for hard foreign bodies, double action jaws, sheath diameter 1.5 mm,</p>	

<p>working length 35 Cm</p> <p>Forceps, pointed, serrated, for coins and flat foreign bodies, double-action jaws, sheath diameter 1.5 mm, working length 35 cm</p> <p>Forceps, for peanuts and soft foreign bodies, double-action jaws, sheath diameter 1.5 mm, working length 35 cm</p> <p>Rigid Suction Tube, outer diameter 3 mm, working length 35 cm</p> <p>Cotton Carrier, working length 35 cm</p> <p>Sponge Holder, working length 35 cm</p> <p>Foreign Body Basket with ring handle, working length 35 cm</p> <p>LED High-Performance LED Cold Light Fountain with one light outlet, including: Mains cord</p> <p>Fiber Optic Light Cable, with straight connector, diameter 3.5 mm, length 180 cm</p>
<p>Accessories: Sterilization system complete consisting of standard set or as follows. Container Bottom Container Lid Wire Basket Silicone mat Wrapping Drapes</p>
<p>Optional (If any):</p>

Generic Name	Video Rhino Laryngoscope
Clinical Purpose	The use of a flexible fibreoptic endoscope to evaluate upper airways (nasal passages, nasopharynx, oropharynx and larynx) , a procedure usually carried out by ENTs or allergists.
TECHNICAL SPECIFICATIONS	
CMOS / CCD Video-Rhino-Laryngoscope	
Direction of view:	0°
Angle of view:	75 to 85° or more
Deflection: up down	120-140°
Working length:	30 cm
Outer Diameter.:	3-3.7 mm
<u>Light Source</u>	
LED / Xenon 100 watt or better Light Source	
Light Built in with Monitor or Separately both are acceptable	
<u>Monitor</u>	
Medical Graded Monitor 19" or better	
<u>Video Processor</u>	
Video Processor Resolution 720 x 1280 or better Built in or Separate	
Output Ports:- DVI / RGB / HDMI	
case For storing Video Rhino Laryngoscope	
Container for Disinfection/Sterilization	
Trolley or stand for Scope	
Accessories:	
Optional (If any):	

Generic Name	Antral Wash Out Set
Clinical Purpose	Antral lavage is a surgical procedure in which a cannula is inserted into the opening of the maxillary sinus via the inferior meatus to allow irrigation and drainage of the sinus.[1] It is also called proof puncture as the presence of an infection can be proven during the procedure. Upon presence of infection, it can be considered as therapeutic puncture, irrigation of the maxillary sinus through its natural ostium or through a puncture of the inferior meatus.
TECHNICAL SPECIFICATIONS	
<p>Nasal Speculum, blade length 30 mm, length 13 cm</p> <p>Nasal Speculum, for adults, 15 cm, with set screw and adaption for Flexible Tension Arm , right blade 65 mm long and 15 mm wide, left blade 50 mm long and with 3 mandrels</p> <p>Nasal Speculum, for children, length 13 cm</p> <p>Nasal Speculum, with fiber optic light carrier, blade length 40 mm, length 13.5 cm</p> <p>Illuminated Nasal Speculum with fiber optic light carrier. 13.5 cm, 75 mm.</p> <p>Suction Tube, angular, conical, LUER, with grip plate, outer diameter 3.5 mm, working length 11 cm</p> <p>Suction and Irrigation Tube, cylindrical, suction tube outer diameter 1 mm, irrigation tube outer diameter 1 mm, working length 9.5 cm</p> <p>Suction and Irrigation Tube, cylindrical, suction tube outer diameter 2.5 mm, irrigation tube outer diameter 2 mm, working length 9.5 cm</p> <p>Nasal Probe, curved, working length 11 cm, total length 18 cm</p> <p>Cotton Applicator, standard model, triangular, serrated, diameter 1.3 mm, length 15 cm</p> <p>Nasal Dressing Forceps, bayonet-shaped, length 16.5 cm</p> <p>Nasal Dressing Forceps, bayonet-shaped, length 20 cm</p>	

Nasal Dressing Forceps, angular, working length 10 cm

Nasal Dressing Forceps, standard size, working length 11 cm

Forceps, with oval, fenestrated, cupped jaws, straight, width 2.5 mm, working length 12.5 cm

Antrum Cannula LUER-Lock, long curved, with olive diameter 2.7 mm, without grip plate, outer diameter 1.5 mm, length 9 cm

Antrum Trocar, LUER-Lock, with lateral holes, outer diameter 2 mm, working length 10 cm

Antrum Trocar, LUER-Lock, with lateral holes, outer diameter 2 mm, working length 10 cm

Antrum Cannula, length 12.5 cm, with cut-off hole, O.D.: 2.5 mm, LUER-lock, short curved

Accessories:

Sterilization system complete consisting of standard set or as follows.

Container Bottom

Container Lid

Wire Basket

Silicone mat

Wrapping Drapes

Optional (If any):

APPROVED PVMS

Generic Name	Anterior Skull Base Set
Clinical Purpose	Skull base surgery is a highly specialized set of surgical procedures performed to treat various conditions that affect the base of the skull. This form of surgery is very challenging, dealing with complex cases and lesions that lie in close proximity to vital neurologic structures
TECHNICAL SPECIFICATIONS	
<p>Straight Forward Telescope 0°, enlarged view, diameter 4 mm, length 17.5 cm18 to cm, autoclave able, fiber optic light transmission incorporated, color code: green</p> <p>Suction and Irrigation Sheath, outer diameter 4.8 x 6 mm, working length 14 cm, Telescope and lens irrigation system</p> <p>Forward-Oblique Telescope 45°, enlarged view, diameter 4 mm, length 18 cm, autoclave able, Fiber optic light transmission incorporated, Color code: black</p> <p>Suction and Irrigation Sheath, outer diameter 4.8 x 6 mm, working length 14 cm, for use with Telescope and lens irrigation system</p> <p>Miniature Nasal Forceps, with extra fine flat jaws, through-cutting, tissue-sparing, straight sheath, straight jaws, width of cut 1.5 mm, with cleaning connector, working length 13 to 15cm</p> <p>Miniature Nasal Forceps, with extra fine flat jaws, through-cutting, tissue-sparing, straight sheath, jaws upturned 45°, width of cut 1.5 mm, with cleaning connector, working length 13 to 15 cm</p> <p>Miniature Nasal Forceps, with extra fine flat jaws, through-cutting, for tissue-sparing, sheath curved 30°, straight jaws, width of cut 1.5mm,with cleaning connector, working length 13 to 15 cm</p> <p>Miniature Nasal Forceps, with extra fine flat jaws, through-cutting, tissue-sparing, sheath curved 30°, jaws 45° upturned, width of cut 1.5 mm, with cleaning connector, working length 13 to 15 cm</p> <p>Miniature Nasal Forceps, with extra fine flat jaws, through-cutting, tissue-sparing, 65° upturned, right side opening, width of cut 1.5 mm, with cleaning connector, working length 13 to 15 cm</p> <p>Miniature Nasal Forceps, with extra fine flat jaws, through-cutting, tissue-sparing,</p>	

65° upturned, backward opening, width of cut 1.5 mm, with cleaning connector, working length 13 cm

Miniature Nasal Forceps, with extra fine flat jaws, through-cutting, tissue-sparing, 65° upturned, left side opening, width of cut 1.5 mm, with cleaning connector, working length 13 cm

Nasal Forceps, end of sheath 25° upturned, through-cutting, jaws 45° upturned, shape, width 3 mm, with cleaning connector, working length 13 cm

Nasal Forceps, end of sheath 25° upturned, jaws 45° angled upwards, width 3.5 mm, with cleaning connector, working length 13 cm

Nasal Forceps, end of sheath 25° upturned, with straight jaws, width 3 mm, with cleaning connector, working length 13Cm

Nasal Forceps, end of sheath 25° upturned, through-cutting, with straight jaws, BLAKESLEY shape, width 3 mm, with cleaning connector, working length 13 cm

Nasal Forceps, end of sheath 25° upturned, jaws 45° upturned, width 3 mm, with cleaning connector, working length 13 cm

Antrum Grasping Forceps, jaws curved downwards, fixed jaw curved 90°, movable jaw backward opening 120°, with cleaning connector, working length 10 cm

Sphenoid Punch, tip curved 30°, through-cutting, reversible, size 1.6 x 2 mm, working length 17 cm

Frontal ostium seeker curved, double ended

Elevator, double-ended angulated semi-sharp shovel blade, blunt end slightly curved, length 26 cm

Elevator, double-ended angulated semi-sharp shovel blade, blunt end slightly curved, length 26 cm

Elevator, double-ended semi-sharp and blunt, length 26 cm

Hook, 90°, blunt, length 25 cm, with round handle

Round Knife, vertical, 3.5x2.5mm length 25 cm, with round handle

Suction Elevator, curved, length 25 cm, with mandarin

Suction Tube, without cut-off hole, LUER, diameter 2 mm, working length 15 cm

Accessories:

Sterilization system complete consisting of standard set or as follows.

Container Bottom

Container Lid

Wire Basket

Silicone mat

Wrapping Drapes

Optional (If any):

APPROVED PVMS

Generic Name	Basic Rhino plasty Set
Clinical Purpose	Plastic surgery on the nose, known familiarly as a nose job. Rhinoplasty is a facial cosmetic procedure that is usually performed to enhance the appearance of the nose. During this type of rhinoplasty, the nasal cartilage and bones are modified, or tissue is added
TECHNICAL SPECIFICATIONS	
<p>Surgical Handle, length 14 cm, for Blades</p> <p>Blade, size. 15, non-sterile, package of 100</p> <p>Blade, size 11, non-sterile, package of 100</p> <p>Miniature Blade, Size . 64, round, sterile, package of 25</p> <p>Nasal Knife, curved, roundly tipped blade, length 14 cm</p> <p>Nasal Knife, rounded edge, length 14 cm</p> <p>Cotton Applicator, standard model, triangular, serrated, diameter 1.3 mm, length 15 cm</p> <p>Scissors, extra delicate, curved, length 10 cm</p> <p>Scissors, curved, length 10.5 cm</p> <p>Scissors, curved, length 14 cm</p> <p>Scissors, angled, length 10 cm</p> <p>Dorsal Scissors, angular, serrated blades, slender, working length 6.5 cm</p> <p>Chisel, flat, graduated, straight, width 4 mm, length 18.5 cm</p> <p>Chisel, flat, graduated, straight, width 7 mm, length 18.5 cm</p> <p>Chisel flat, graduated, straight, width 9 mm, length 18.5 cm</p> <p>Crossbar Osteotome, graduated, double-edged grinding, straight, width 6 mm, length 18.5 cm</p>	

Crossbar Chisel, graduated, single-edged grinding, curved, width 6 mm, length 18.5 cm

Chisel, straight, with rounded guard, straight, length 18 cm

Chisel, slightly curved, with rounded guard on left side, length 18 cm

Chisel slightly curved, with rounded guard right side, length 18 cm

Retractor, narrow (standard model), length 14 cm

Knife Guide and Retractor, one side with two pronged nostril retractor, other side with flat retractor, with duct for guide of cut, length 19 cm

Knife Guide and Retractor, made of wire, one side with nostril retractor, other side with flat retractor, length 18 cm

Retractor, two prongs, sharp prong on right, blunt prong on left, width 10 mm, length 14.5 cm

Retractor, two prongs, sharp prong on left, blunt prong on right, width 10 mm, length 14.5 cm

Hook, one prong, large curve, length 16.5 cm

AUFRIEHT Nasal Retractor, width of retractor blade 8 mm, length of retractor blade 40 mm, length 16.5 cm

Suction Raspatory, with stylet, length 19.5 cm

MASING Elevator, double-ended, graduated, sharp and blunt, length 22.5 cm

JOSEPH-MASING Elevator, slightly curved, bayonet, 21 cm.

MCKENTY Raspatory, width 5 mm, length 14.5 cm

COTTLE Raspatory, double-ended, for tunneling, length 22.5 cm

COTTLE Lower Lateral Forceps, bayonet-shaped, with set screw, serrated tips and teeth on the inside, length 15 cm

ADSON-BROWN Tissue Forceps, atraumatic, fine side grasping teeth, length 12 cm

Nasal Rasp, double-ended, fine, length 21.5 cm

Nasal Rasp, double-ended, coarse (rasp), length 21.5 cm

WALSHAM Septum Straightening Forceps, dismantling, length 21 cm

COTTLE Metal Mallet, length 18 cm

JOSEPH Nasal Saw, crosswise toothed, bayonet-shaped, right, length 18.5 cm

JOSEPH Nasal Saw, crosswise toothed, bayonet-shaped, left, length 18.5 cm

COTTLE Nasal Speculum, blade length 55 mm, length 13 cm

KILLIAN-STRUYCKEN Nasal Speculum, standard model, blade length 75 mm, length 13.5 cm

KILLIAN-STRUYCKEN Nasal Speculum, standard model, blade length 90 mm, length 13.5 cm

BLAKESLEY Nasal Forceps, straight, size 1, working length 11 cm

BLAKESLEY Nasal Forceps, straight, size 3, working length 11 cm

WATSON-WILLIAMS Nasal Forceps, straight, with serrated jaws, working length 11 cm

COTTLE Bone Crusher, with clip, crusher size 5 x 1.5 cm

MASING Needle Holder, ear forceps shape, intranasal, smooth jaws, working length 8 cm

NEIVERT-MASING Needle Holder, thumb ring upturned, one jaw with groove, length 13 cm

Needle Holder, extra delicate, slight spring action, length 17 cm

FRAZIER Suction Tube, with cut-off hole and stylet, angled, outer diameter 7 Fr./2 mm, working length 10 cm, total length 17.5 cm

FRAZIER Suction Tube, with cut-off hole and stylet, angled, outer diameter 9 Fr./3 mm, working length 10 cm, total length 17.5 cm

Suction Tube, curved, outer diameter 5 mm, length 16.5 cm

COTTLE Columella Clamp, length 11 cm

KAZANJIAN Forceps, length 20 cm

JANSEN-MIDDLETON Septum Forceps, angular, through-cutting,
working length 10 cm

Accessories:

Sterilization system complete consisting of standard set or as follows.

Container Bottom

Container Lid

Wire Basket

Silicone mat

Wrapping Drapes

Optional (If any):

APPROVED PVMS

Generic Name	Cochlear Implantation Set
Clinical Purpose	A Cochlear Implant is a device that can be surgically implanted into a person's cochlea to stimulate it to cause hearing. It consists of a tiny receiver which is placed under the skin in the bony part behind the ear. The receiver has a probe with several electrodes (usually 22 now), that is implanted into the cochlea. This set is used to implant the cochlear device.
TECHNICAL SPECIFICATIONS	
<p>Surgical Handle, No. 3, length 12.5 cm, for blades</p> <p>PLESTER Retractor. 2 x 2 prongs, 11 cm</p> <p>WULLSTEIN Retractor, 11 cm</p> <p>ANDERSON-ADSON Retractor, 4 x 4 prongs, sharp, curved, length 20 cm</p> <p>OLIVECRONA Brain Spatula, double ended, angular, 11 and 13 mm wide, concav, eleastic, length 18 cm</p> <p>OLIVECRONA Brain Spatula, double anded, angular, 7 and 9 mm wide, concav, elastic, length 18 cm</p> <p>PLESTER Suction Tube, with grip plate, cut-off hole and stylet, LUER, 20 cm, 5 Fr.</p> <p>PLESTER Suction Tube, with grip plate, cutt-off hole and stylet, LUER, 20 cm , 7 Fr.Z</p> <p>PLESTER Suction Tube, with grip plate, cut-off hole and stylet, LUER, 20 cm, 9 Fr.</p> <p>Suction Cannula, LUER-Lock, working length 6 mm, O.D.: 0.5 mm</p> <p>Suction Cannula, angular, LUER- Lock, working length 6 cm, O.D. 0.7 mm</p> <p>WULLSTEIN Adaptor, for suction cannula with cut-off hole, LUER cone, 10 cm.</p> <p>Octogonal handle with LUER-cone, straight, length 17 cm</p> <p>Diamond Burr, cylindrical, diameter 5mm, length 10mm, for Cochlear Implant surgery, with smooth bottom to protect the dura, with straigt shaft diameter 2.35mm, length 44mm</p>	

Diamond Burr, shaft diameter 2.35 mm, length 70 mm, diameter 0.6 mm

Diamond Burr, shaft diameter 2.35 mm, length 70 mm, diameter 1.0 mm

Diamond Burr, shaft diameter 2.35 mm, length 70 mm, diameter 1.4 mm

Seeker, delicate, angled 25°, with ball end 1 mm O.D., length 16 cm

Seeker, delicate, angled 25°, with ball end 1.5 mm O.D., length 16 cm

Forceps, for insertion of cochlear electrodes, nucleus 24 contour, curved to left, working length 6 cm

Forceps, for insertion of cochlear electrodes, nucleus 24 contour, curved to right, working length 6 cm

Micro Guiding Instrument for electrodes array, length 16 cm, claw-shaped, tip 13° angled upwards

Micro Guiding Instrument for electrodes array, length 16 cm, claw-shaped, tip 13° angled downwards

Hook, footplate, 16 cm, 0.2 mm.

PLESTER Hook, footplate, 16 cm, 0.6 mm.

LENARZ Retractor, 43 mm x 11 mm, slim and flat blade with integrated suction tube, length 21.5 cm

SCHOENBORN Thymus Retractor, length 20.5 cm

RANEY Applying and Removing Forceps for scalp haemostasis clips, length 16 cm

Needle Holder, tungsten carbide inserts, 15 cm.

Dissecting- and Ligature Forceps, straight, smooth jaws, length 9.5 cm

FREER Elevator, double-ended, length 20 cm.

PLESTER Elevator, 18 cm, 8 mm wide.

ALLIS Dissecting Forceps, thoothed, length 20 cm

WULLSTEIN Forceps, 15 cm, Dressing

Dressing Forceps, length 14.5 cm, delicate size

ADSON-BROWN Tissue Forceps, non-traumatic, fine side grasping teeth, length 12 cm

Bipolar Coagulating Forceps, insulated, bayonet-shaped, slim shaft, tip 0.5 mm, length 19 cm, for use with bipolar high frequency cord

Preparation Plate, glass, 13 cm x 8 cm

Accessories:

Sterilization system complete consisting of standard set or as follows.

Container Bottom

Container Lid

Wire Basket

Silicone mat

Wrapping Drapes

Optional (If any):

APPROVED PVMS

Generic Name	Mastoidectomy Set
Clinical Purpose	A mastoidectomy is a procedure performed to remove the mastoid air cells. This can be done as part of treatment for mastoiditis, chronic suppurative otitis media or cholesteatoma. In addition, it is sometimes performed as part of other procedures (cochlear implant) or for access to the middle ear
TECHNICAL SPECIFICATIONS	
<p>Periost Knife. 13 cm. Elevator Version</p> <p>Surgical Handle, No. 3, length 12.5 cm, for blades</p> <p>Blade No. 10, sterile, package of 100</p> <p>Blade No. 11, sterile, package of 100</p> <p>Blade No. 15, sterile, package of 100</p> <p>HARTMANN Nasal Speculum, for adults, length 13 cm</p> <p>WEITLANER Retractor, 3x4 prongs, sharp, length 16 cm</p> <p>WEITLANER Retractor, 3x4 prongs, sharp, length 13 cm</p> <p>WULLSTEIN Retractor, 11 cm</p> <p>VOLKMANN Retractor, length 21 cm, 3 prongs, sharp</p> <p>LANGENBECK Retractor, length 21.5 cm, size 33 mm x 14 mm</p> <p>FARABEUF Elevator, 18.0 cm, 11 mm wide.</p> <p>LEMPERT Elevator, curved, 7 mm wide, length 18 cm</p> <p>FREER Elevator, double-ended, length 20 cm.</p> <p>Mastoid Gouge, 14 cm 3 mm wide</p> <p>Mastoid Gouge, 14 cm, 5 mm wide</p>	

Mastoid Gouge, 14 cm, 7 mm wide

Mastoid Gouge, 14 cm, 9 mm wide

Mastoid Chisel, 14 cm 3 mm wide

Mastoid Chisel, 14 cm 5 mm wide

Mastoid Chisel, 14 cm, 7 mm wide

COTTLE Mallet, length 18 cm

KERRISON Rongeur, working length 11 cm, size 2

JANSEN Rongeur, bayonet, 17cm

HOUSE Curette, large, spoon sizes 2 x 3.2 mm and 1.6 x 2.6 mm, length 15 cm

LEMPERT Mastoid Curette. 21 cm, size 0000

SPRATT Mastoid Curette. 16.5 cm, size 0.

SPRATT Mastoid Curette. 17 cm, size 1.

HALSTEAD Mosquito Forceps, 12.5 cm, curved.

ROCHESTER-PEAN Haemostatic Forceps, straight, length 14 cm

ROCHESTER-PEAN Haemostatic Forceps, curved, length 14 cm

OCHSNER-KOCHER Haemostatic Forceps, 1 x 2 teeth, straight, length 14 cm

ALLIS Forceps, 4 x 5 teeth, length 15 cm

ADSON Dressing Forceps, serrated, 12 cm.

ADSON Tissue Forceps, 1 x 2 teeth 12 cm.

ADSON-BROWN Tissue Forceps, non-traumatic, fine side grasping teeth, length 12 cm

Dressing Forceps, length 14.5 cm, standard size

Dressing Forceps, length 14.5 cm, delicate size

Tissue Forceps, 1 x 2 teeth, length 14.5 cm, standard size

Tissue Forceps, 1 x 2 teeth, length 14.5 cm, medium size

Tissue Forceps, 1 x 2 teeth, length 14.5 cm, delicate size

JOBSON-HORNE Probe. With serrated and ringend, 18 cm

Seeker, ball end angled 45°, 15.5 cm, size 3.

Scissors, delicate, 10 cm, curved

STEVENS Scissors, curved, 10.5 cm

JOSEPH Scissors, 14 cm, curved.

METZENBAUM Scissors, curved, 14 cm.

Scissors, straight, length 14.5 cm, blunt/sharp

MAYO Scissors, curved, length 15 cm

BARON Suction Tube, with cut-off hole, LUER, working length 7.5 cm O.D. 1 mm

BARON Suction Tube with cut-off hole, LUER, working length 7.5 cm, O.D. 1.7 mm

BARON Suction Tube, with cut-off hole, LUER, working length 7.5 cm, O.D 2.3 mm

FERGUSON Suction Tube, with cut- off hole and stylet, LUER, working length 11 cm, 6 Fr.

FERGUSON Suction Tube, with cut-off hole and stylet, LUER, workinge length 11 cm, 9 Fr.

FERGUSON Suction Tube, with cut-off hole and stylet, LUER, working lenth 11 cm, 12 Fr.

ZOELLNER Suction Tube, LUER-Lock, 15 cm, O.D. 2.5 mm.

Suction Tip for , 4 cm, O.D. 0.5 mm.

Suction Tip for , 4 cm, O.D. 0.7 mm.

Suction Tip for , 4 cm, O.D. 0.9 mm.

Suction Tip for , 4 cm, O.D. 1.2 mm.

Needle Holder, tungsten carbide inserts, 13 cm.

Needle Holder, tungsten carbide inserts, 15 cm.

BACKHAUS Towel Forceps, length 11 cm

DUPLAY Dressing Forceps, curved, with ratchet, length 21 cm

Cup Medicine, stainless steel, 25 cc, 28 mm high, diameter 60 mm

Cup Medicine, stainless steel, 60 cc, 33 mm high, diameter 70 mm

Cup Medicine, stainless steel, 100 cc, 30 mm high, diameter 80 mm

Accessories:

Sterilization system complete consisting of standard set or as follows.

Container Bottom

Container Lid

Wire Basket

Silicone mat

Wrapping Drapes

Optional (If any):

Generic Name	Micro Laryngeal Instrument
Clinical Purpose	Laryngeal microsurgery is removal of abnormal tissue from the vocal folds (cords) using precision micro laryngeal instruments and/or laser.
TECHNICAL SPECIFICATIONS	
<p>(KLEINSASSER) Operating Laryngoscope, for adults, medium, length 17 to 18 (KLEINSASSER) Operating Laryngo- scope, length 17 to 18 cm, adult size, large.</p> <p>(KLEINSASSER) Operating Laryngoscope, for adults, medium, length 17 to 18 cm (for anterior commissure)</p> <p>(KLEINSASSER) Operating Laryngo- scope, child size, length 15 cm</p> <p>(KLEINSASSER) Operating Laryngos- cope, length 13 cm, child size, small.</p> <p>BENJAMIN-HAVAS Clip, short, for proximal illumination</p> <p>Fiber Optic Light Carrier, for distal illumination, working length 14 cm, for use with Laryngoscopes and Diverticulosopes</p> <p>Fiber Optic Light Carrier, for use with laryngoscopes</p> <p>Laryngoscope Holder, with wide angle adjustment</p> <p>Consisting of: holder with wheel support rod</p> <p>(KLEINSASSER) Forceps, straight, with 2 mm cupped jaws, with cleaning connector, working length 23 cm</p> <p>(KLEINSASSER) Forceps, curved upwards, with 2 mm cupped jaws, with cleaning connector, working length 23 cm</p> <p>(KLEINSASSER) Forceps, curved to left, with 2 mm cupped jaws , with cleaning connector, working length 23 cm</p> <p>(KLEINSASSER) Miniature Forceps, straight, with 1 mm cupped jaws, sheath conically reinforced from distal to proximal end, with cleaning connector, working length 23 cm</p>	

(KLEINSASSER) Artery Forceps, with ratchet, with cleaning connector, working length 23 cm

(KLEINSASSER) Scissors, straight, with cleaning connector, working length 23 cm

Micro Forceps, straight, with 1 mm cupped jaws, with cleaning connector, working length 20 cm

Spoon Forceps, with cupped jaws, diameter 5 mm, robust model, double action jaws, sheath diameter 2.5 mm, with cleaning connector, working length 23 cm

LINDHOLM Forceps, for atraumatic retraction of true vocal cords and false vocal cords, distal end with blunt curved blades, self-retaining, with ratchet and cleaning connector, working length 24 cm

(KLEINSASSER) Knife sickle-shaped, curved, pointed, working length 23 cm

(KLEINSASSER) Suction Tube, outer diameter 3 mm, working length 23 cm

Accessories:

Sterilization system complete consisting of standard accessories or as follows

Container Bottom

Container Lid

Wire Basket

Silicone mat

Wrapping Drapes

Optional (If any):

Generic Name	Middle Ear Micro Ear Surgery Set
Clinical Purpose	To restore hearing loss, which is usually due to otosclerosis, stapedectomy is performed. Stapedectomy is the removal of all or part of the stapes, one of the bones in the middle ear, and replacement with a tiny prosthesis.
TECHNICAL SPECIFICATIONS	
<p>HARTMANN Nasal Speculum, for adults, length 13 cm</p> <p>PLESTER Elevator, 18 cm, 8 mm wide.</p> <p>LEMPERT Raspatory, width 3 mm, length 19 cm</p> <p>Tissue Forceps, 1 x 2 teeth, length 11.5 cm</p> <p>WULLSTEIN Forceps, serrated, length 15 cm</p> <p>Scissors, curved, sharp/blunt, length 12 cm</p> <p>PLESTER Retractor, 2 x 2 prongs, length 11 cm</p> <p>PLESTER Retractor, 2 prongs on right, full blade on left, length 11 cm</p> <p>PLESTER Retractor, 2 prongs on left, full blade on right, length 11 cm</p> <p>WILLIGER Retractor, 4 prongs, sharp, length 13 cm</p> <p>Surgical Handle, size 3, length 12.5 cm, for Blades</p> <p>Blade, size15, non-sterile, package of 100</p> <p>Blade size 11, non-sterile, package of 100</p> <p>Blade size 10, non-sterile, package of 100</p> <p>Scissors, curved, sharp/blunt, length 14.5 cm</p> <p>ROCHESTER-PEAN Haemostatic Forceps, straight, length 14 cm</p>	

Needle Holder, tungsten carbide inserts, length 13 cm

HALSTEAD "Mosquito" Artery Forceps, straight, length 12.5 cm

HALSTEAD "Mosquito" Artery Forceps, curved, length 12.5 cm

BACKHAUS Towel Forceps, length 9 cm

GUILFORD-WRIGHT Wire Cutter, serrated, length 10 cm

SCHUKNECHT Wire Bending Die

HARTMANN Ear Speculum, standard model, outer diameter 5 mm, length 3.6cm

Instrument Guard, teflon, autoclavable, for micro forceps and micro scissors with working length 8 cm, length 11.5 cm

HARTMANN Ear Speculum, standard model, outer diameter 5 mm, length 3.6cm

HARTMANN Ear Speculum standard model, outer diameter 6 mm, length 3.6cm

HARTMANN Ear Speculum, standard model, outer diameter 7.5 mm, length 3.6 cm

HARTMANN Ear Forceps, extra delicate, serrated, 1 x 4.5 mm, working length 8 cm

FISCH Ear Forceps, extra delicate, pointed, serrated, 1 x 4.5 mm, working length 8cm

HARTMANN Ear Forceps, serrated, working length 8 cm

WULLSTEIN Ear Forceps, extra delicate, oval cupped jaws, 0.9 mm, working length 8 cm

HARTMANN Ear Forceps, round cupped jaws, diameter 2 mm, working length 8 cm

BELLUCCI Scissors, delicate standard model, blade length 8 mm, working length 8 cm

HOUSE-DIETER Malleus Nipper, upbiting, working length 8 cm

McGEE Wire Crimper, straight, working length 8 cm

Suction Tube, angular, LUER-Lock, outer diameter 0.7 mm, working length 6 cm

Suction Tube, angular, LUER-Lock, outer diameter 1 mm, working length 6 cm

Suction Tube, angular, LUER-Lock, outer diameter 1.3 mm, working length 6 cm

Suction Tube, angular, LUER-Lock, outer diameter 1.5 mm, working length 6 cm

Suction Tube, angular, LUER-Lock, outer diameter 2 mm, working length 6 cm

Suction Handle, with cut-off hole, LUER cone, length 10 cm, for use with Suction Tubes

PLESTER Suction Tube, with grip plate, cut-off hole and stylet, LUER, 5 Fr., length 20 cm

PLESTER Suction Tube, with grip plate, cut-off hole and stylet, LUER, 7 Fr., length 20 cm

PLESTER Suction Tube, with grip plate, cut-off hole and stylet, LUER, 9 Fr., length 20 cm

Ear Hook, without ball end, size 1, length 15.5 cm

Seeker, ball end angled 45°, 15.5 cm, size 3.

BUCK Ear Curette, sharp, size 00, length 14.5 cm

BUCK Curette, sharp, 14.5 cm, size 0

PLESTER Hook, 15.5 cm, retrospective, 2 mm, to granulate the underside of the tympanic membrane.

HOUSE Curette, large, spoon sizes 2 x 3.2 mm and 1.6 x 2.6 mm, length 15 cm

HOUSE Curette, small, spoon sizes 1 x 1.6 mm and 1.3 x 2 mm, length 15 cm

HEERMANN Hook, reinforced, 16 cm, retrospective, 0.8 mm.

Pick 45°, 16 cm, 0.5 mm

KLEY Knife. Footplate, 16 cm

Hook, footplate, 16 cm, 0.2 mm.

PLESTER Hook, footplate, 16 cm, 0.6 mm.

FISCH Perforator, 16 cm, diameter: 0.3 mm.

PLESTER Guide, 15.5 cm

Pick 45°, 16 cm, 1.0 mm

PLESTER Knife, round, vertical, 16 cm, standard size 3.5 x 2.5 mm

Round Knife 45°, 16 cm, diameter: 2.0 mm.

PLESTER Sickle Knife, double-edged, standard model, slightly curved, length 16 cm

WULLSTEIN Needle. 16.5 cm, light curve.

Pick 90°, 16 cm, 0.4 mm

Pick 90°, 16 cm, 0.6 mm

Pick 90°, 16 cm, 0.8 mm

Pick 90°, 16 cm, 1.0 mm

Accessories:

Sterilization system complete consisting of standard accessories or as follows

Container Bottom

Container Lid

Wire Basket

Silicone mat

Wrapping Drapes

Optional (If any):

Generic Name	Middle Ear Surgery Tympanoplasty and Stapedotomy Set
Clinical Purpose	Tympanoplasty is the surgical operation performed for the reconstruction of the eardrum (tympanic membrane) and/or the small bones of the middle ear. Stapedectomy is a surgical procedure of the middle ear performed to improve hearing
TECHNICAL SPECIFICATIONS	
<p>Retractor, 2 x 2 prongs, length 13 cm</p> <p>Scissors, curved, length 15 cm</p> <p>"Mosquito" Artery Forceps, micro-model, curved, length 12.5 cm</p> <p>Scissors, extra delicate, curved, sharp/sharp, length 10.5 cm</p> <p>Suction and Irrigation Tube, conical, suction tube outer diameter 3.2 mm, irrigation tube outer diameter 2 mm, working length 9.5 cm</p> <p>Suction and Irrigation Tube, cylindrical, suction tube outer diameter 2.5 mm, irrigation tube outer diameter 2 mm, working length 9.5 cm</p> <p>Suction and Irrigation Tube, cylindrical, suction tube outer diameter 1.9 mm, irrigation tube outer diameter 1.9 mm, working length 9.5 cm</p> <p>Surgical Handle, Fig. 3, length 12.5 cm, for Blades</p> <p>Dual Purpose Scalpel Handle, elevator on one side, scalpel handle no. 7 on the other side, length 16 cm</p> <p>Double Curette, medium, spoon sizes 1 x 1.8 mm and 2 x 2.8 mm, length 15 Cm</p> <p>Jeweler Forceps, fine, pointed, soft spring-action, length 11 cm</p> <p>Tissue Forceps, 1 x 2 teeth, slender, soft spring-action, length 13 cm</p>	

Forceps, serrated, soft spring-action, length 15 cm

Raspatory, width 10 mm, length 16 cm

Raspatory, curved, width 4 mm, length 16.5 cm

Suction Tube, angular, with grip plate, outer diameter 1.2 mm, working length 9 cm

Suction Tube, angular, with grip plate, outer diameter 1.5 mm, working length 9 cm

Suction Tube, angular, with grip plate, outer diameter 2 mm, working length 9 cm

Suction Tube, angular, with grip plate, outer diameter 2.2 mm, working length 9 cm

Suction Tube, angular, malleable, LUER-Lock, outer diameter 0.7 mm, working length 7 cm, for use with Adaptor 204250 for use with Handle

Suction Tube, angular, malleable, LUER-Lock, outer diameter 1 mm, working length 7 cm, for use with Adaptor

Suction Handle, with long thumb grip, cut-off hole diameter 1 mm, inner diameter 1.7 mm, LUER cone, length 5.5 cm, for use with Suction Tubes

Micro Raspatory, single curved to right, length 16 cm

Micro Raspatory, single curved to left, length 16 cm

Round Knife 45°, diameter 1 mm, length 16 cm

Tenotome, sickle-shaped, extra delicate, length 16 cm

Pick, 45°, size 0.5 mm, length 16 cm

Pick, 45°, size 1 mm, length 16 cm

Pick, 45°, size 1.5 mm, length 16 cm

Pick, 45°, size 2.5 mm, length 16 cm

Pick, 90°, size 0.5 mm, length 16 cm

Pick, 90°, size 1 mm, length 16 cm

Pick, 90°, size 1.5 mm, length 16 cm

Pick, 90°, size 2 mm, length 16 cm

Manual Perforator, diameter 0.3 mm, length 16 cm

Perforator, diameter 0.4 mm, length 16 cm

Perforator, diameter 0.5 mm, length 16 cm

Perforator, diameter 0.6 mm, length 16 cm

Anterior Footplate Elevator, tip angled upwards 90°, 0.2 mm, length 16 cm

Anterior Footplate Elevator, tip angled downwards 90°, 0.2 mm, length 16 cm

Caliper, angled shaft, diameter 0.4 mm, marker pin at 10 mm, length 16 cm

Caliper, angled shaft, diameter 0.6 mm, marker pin at 10 mm, length 16 cm

Measuring Rod, length 16 cm, Marker pins at 3 mm, 4 mm, 5 mm

Ear Forceps, extra delicate, oval cupped jaws, 0.9 mm, working length 8 cm

Ear Forceps, extra delicate, oval cupped jaws, 0.6 mm, working length 8 cm

Ear Forceps, round cupped jaws, diameter 2 mm, working length 8 cm

Ear Forceps, extra delicate, serrated, 1 x 4.5 mm,
working length 8 cm

Ear Forceps, extra delicate, serrated, 0.4 x 3.5 mm,
working length 8 cm

Ear Forceps, extra delicate, smooth, 1 x 4.5 mm,
working length 8 cm

Micro Scissors, extra delicate scissor blades, with
thin shaft, blade length 3 mm, working length 8 cm

Micro Scissors, extra delicate scissor blades, blade
length 3 mm, working length 8 cm

Scissors, blade 7 mm, extra delicate, working length 8 cm

Scissors, for crurotomy, curved to right, working length 7.5 cm

Scissors, for crurotomy, curved to left, working length 7.5 cm

Malleus Nipper, extra delicate, upbiting, width 0.8 mm,
working length 8 cm

Metal Tray, for sterilizing and storage of ear instruments, perforated,
base with holder for 20 straight ear micro instruments with octagonal
handle, lid with silicone bridges, external dimensions (w x d x h):
275 x 175 x 36 mm

Wire mesh tray for cleaning, sterilization, transport and storage of
Instruments, including hole plate walls and fold away handles. External
dimensions (w x d x h): 480 x 250 x 60 mm.

Accessories:

Sterilization system complete consisting of standard accessories or as follows

Container Bottom

Container Lid

Wire Basket

Silicone mat

Wrapping Drapes

Optional (If any):

Generic Name	Myringotomy Set
Clinical Purpose	A myringotomy, sometimes called by other names, is a surgical procedure in which a tiny incision is created in the eardrum (tympanic membrane) to relieve pressure caused by excessive buildup of fluid, or to drain pus from the middle ear
TECHNICAL SPECIFICATIONS	
<p>Ear Speculum, 3.6 cm, O.D. 5 mm</p> <p>Ear Speculum, 3.6 cm O.D. 6 mm</p> <p>Ear Speculum, 3.6 cm O.D. 7.5 mm</p> <p>Ear Forceps, very fine, serrated, working length 8 cm</p> <p>Ear Curette, blunt, 14.5 cm size 1</p> <p>Sickle Knife, double-edged, standard model, slightly curved, length 16 cm</p> <p>Needle. 16.5 cm, light curve.</p> <p>Pick 90°, 16 cm, 0.8 mm</p> <p>Adaptor. For suction cannulas with cut-off hole, LUER cone 5.5 cm.</p> <p>Suction Cannula, straight, LUER- Lock, malleable, 10 cm,O.D.1.0 mm</p> <p>Suction Cannula, straight, LUER- Lock, malleable, 10 cm,O.D.1.3 mm</p> <p>Suction Cannula, straight, LUER- Lock, malleable, 10 cm,O.D.1.5 mm</p> <p>Suction Cannula, straight, LUER- Lock, malleable, 10 cm,O.D.2.0 mm</p> <p>Groumet Gun</p> <p>Instrument Rack for 5 instruments with holder for ear specula, for ventilation tube set, may be used with metal case</p> <p>Metal Case, perforated, lid detachable, size 20 x 10 x 4 cm</p>	

Tele-Otoscope with Straight Forward Telescopes 0°, diameter 3 mm, length 6 cm, auto-clavable, fiber optic light transmission incorporated, color code: green
Accessories: Sterilization system complete consisting of standard accessories or as follows Container Bottom Container Lid Wire Basket Silicone mat Wrapping Drapes
Optional (If any):

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Generic Name	Nasal Bone Fracture Reduction Set
Clinical Purpose	Nasal bone fractures are among the most common facial bone fractures restore the patient's appearance through reduction of the nasal fracture Acute Pain in Children ·Surgical Evolution in the Treatment of Mandibular
TECHNICAL SPECIFICATIONS	
<p>Nasal Speculum, with set rack, blade length 40 mm, length 15 cm</p> <p>Nasal Speculum, with set screw, blade length 40 mm, length 15 cm</p> <p>Nasal Speculum, 15 cm, with set screw, with adaption for flexible tension arm 723018, 40 mm.</p> <p>Nasal Dressing Forceps, standard size, working length 11 cm</p> <p>Nasal Scissors, cutting blades curved upwards, to cut the anterior part of the middle turbinate in case of narrow nose and to prevent postoperative synechia, with cleaning connector, working length 13 cm</p> <p>Nasal Scissors, straight, with cleaning connector, working length 13 cm</p> <p>Septum Forceps, straight, working length 9 cm</p> <p>Septum Forceps, straight, working length 11 cm</p> <p>Elevator double-ended, semisharp and blunt, graduated, length 20 cm</p>	
<p>Accessories:</p> <p>Sterilization system complete consisting of standard accessories or as follows</p> <p>Container Bottom</p> <p>Container Lid</p> <p>Wire Basket</p> <p>Silicone mat</p> <p>Wrapping Drapes</p>	
Optional (If any):	

Generic Name	Nasal Endoscope
Clinical Purpose	The nasal endoscope is a medical device consisting of a thin, rigid tube with fiber optic cables for bringing in light. The endoscope is then connected to a light source and a video camera to project magnified images on a screen. These endoscopic images can be captured and recorded for documentation for each patient
TECHNICAL SPECIFICATIONS	
<p>Straight Forward Telescope 0°, enlarged view, diameter 4 mm, length 17.5 to 18 cm, autoclave able, fiber optic light transmission incorporated, color code: green</p> <p>Forward-Oblique Telescope 30°, enlarged view, diameter 4 mm, length 17.5 to 18 cm, autoclave able, fiber optic light transmission incorporated, color code: red</p> <p>Forward-Oblique Telescope 45°, enlarged view, diameter 4 mm, length 17.5 to 18 cm, autoclave able, Fiber optic light transmission incorporated, Color code: black</p> <p>Straight-Oblique Telescope 70°, enlarged view, diameter 4 mm, length 17.5 to 18 cm, autoclave able, Fiber optic</p>	
Accessories:	
Sterilization and storage Container system complete set for Endoscopes	
Optional (If any):	

Generic Name	Nasal Splint
Clinical Purpose	Nasal septal splint with integral airway. Provides septal support and allows nasal breathing post-operative through integral airway
TECHNICAL SPECIFICATIONS	
Nasal Splint, aluminium, padded, with self-adhesive underside, small, size 56 x 30 mm, package of 10 Nasal Splint, 64 x 36 mm, package of 10	
External Nasal Splint, Aluminium, padded, with self-adhesive underside, large, with forehead extension, size 83 x 77 mm, package of 5	
Nasal Splint, 66 x 45 mm, package of 10	
Accessories: Sterilization Container system complete set	
Optional (If any):	

Generic Name	IMAGE GUIDED OPTICAL (NAVIGATION) SYSTEM
Clinical Purpose	<p>Image-guided surgery is the general term used for any surgical procedure where the surgeon employs tracked surgical instruments in conjunction with preoperative or intraoperative images in order to indirectly guide the procedure image guided surgery systems use cameras or electromagnetic fields to capture and relay the patient's anatomy and the surgeon's precise movements in relation to the patient, to computer monitors in the operating room. Image-guided surgery and CAS in ENT commonly consists of navigating preoperative image data such as CT or cone beam CT to assist with locating or avoiding anatomically important regions such as the optical nerve or the opening to the frontal sinuses. For use in middle-ear surgery there has been some application of robotic surgery due to the requirement for high-precision actions</p>
TECHNICAL SPECIFICATIONS	
<p>Navigation System Configuration: Navigational Panel Unit (Optical) <u>Consisting of:</u></p> <ul style="list-style-type: none"> • 1x Navigation Panel • 1x Optical Mouse • 1x Navigation Camera • 1x Electronic Box • 1x Docking Adaptor • 1x Mobile Stand • 1x Data Cable • 1x Video Cable • 1x Navigation Camera Cable • 1x Headband for Navigation • 1x Patient Tracker • 1x Case Navigation • 1x Navigation Probe • 1x Mains Cord • Mobile cart <p>• The system should have total surgical control in sterile field on a finger tip with a touch screen monitor, stylus pen or a mouse</p>	

- The system should have provision of the Rapid Data Transfer via CD-RW/DVD/USB/Network/PACS
- The system should have at least one VGA video output enabling plug-n-play image routing to a second monitor
- The system should be supplied with navigated instruments, tracker references for instruments and a patient and dedicated sterilization trays that are reusable and steam sterilizable (autoclave able)
- ENT Navigation Software and navigated instruments support interventions in para nasal sinuses (FESS and trans nasal approaches - endoscopic, microscopic, VITOM surgeries) and skull base (including lateral approaches)
- The system should be plug and play with user friendly system software to control setup, registration and navigation
- The system shall complete ENT and skull base surgery, navigation and its application package
- The system should enable CT/MRI/DVT data import utilizing DICOM interface
- The system should enable automatic image fusion of different modalities (CT and MRI)
- The software should enable the assignment of multiple Risky Structures / regions of interest in sagittal, coronal and axial views
- The system should preferably warn the surgeon by color change and/or audible signal when approaching defined risky structures
- The navigated instruments are reusable and autoclave able
- The navigated instruments are dedicated for navigation with added fixations for the optical trackers
- The navigation of the instruments should not require any disposables
- The real instrument's geometry is visualized
- The system should enable visualization of both position and orientation of navigated instruments
- The navigated system should have snapshot storage function for documentation purpose

Navigated Instruments:

Optical Navigated Suction Tube, curved upwards, for left and right-handed use, with cut-off hole, outer diameter 3 mm, length 16.5 cm

Optical Navigated Suction Tube, curved to left, for left and right-handed use, with cut-off hole, outer diameter 3 mm, length 16.5 cm

Optical Navigated Suction Tube, curved to right, for left and right-handed use, with cut-off hole, outer diameter 3 mm, length 16.5 cm

Optical Navigated Frontal Sinus Probe

Optical Tool Tracker, for optically navigated instruments, with 3 fix-mounted glass spheres, autoclave able, dimensions: 70 x 50 x14 mm

Wire Tray for Navigation Probe and Patient Tracker, incl. lid, silicone mat and fixing system for cleaning, sterilization and storage for one Navigation Probe and one Patient Tracker External

dimensions (w x d x h): 240 x 250 x70 mm and Wire tray for suction tube and tool Tracker.
Optical Navigated Suction Tube, straight, for right-handed use, with cut-off hole, 9 Fr., working length 9 cm, total length 16 cm
Navigated Suction Tube, curved upwards, for right-handed use, outer diameter 3 mm, length 16.5 cm
Optical Navigated Suction sinus Probe for use of optical tracker

Accessories:

Sterilization system complete

Optional (If any):

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Generic Name	Neck Dissection Set
Clinical Purpose	The neck dissection is a surgical procedure for control of neck lymph node metastasis. This can be done for clinically or radio logically evident lymph nodes or as part of curative surgery where risk of occult nodal metastasis is deemed sufficiently high
TECHNICAL SPECIFICATIONS	
<p>Forceps, length 20 cm, light model, straight</p> <p>Dressing Forceps, curved, with ratchet, length 21 cm</p> <p>Forceps, length 20 cm, large curve</p> <p>Sound, length 16.5 cm</p> <p>Tongue Depressor, length 19 cm</p> <p>Elevator, double-ended, length 20 cm.</p> <p>Elevator, double- ended, delicate, 20 cm.</p> <p>Dissector, length 23.5 cm, 11.5 mm wide (standard size)</p> <p>Elevator, 19.5 cm, 9 mm wide</p> <p>Bulbous Sound, length 14.5 cm, diameter 1.5 mm</p> <p>Grooved Director, length 14.5 cm</p> <p>Retractor, 3 x 3 prongs 13 cm</p> <p>Retractor. With adjustable swivel arms, 3x3 prongs, semi-sharp, length 17 cm</p> <p>Nasal Speculum, 13.5 cm, standard plat tern, 75 mm</p> <p>Laryngectomy Scissors, double-action, length 21.5 cm</p> <p>Suction Tube, with cut-off hole and sty let, LUER, working length 11 cm, 9 Fr.</p>	

Suction Tube, with cut-off hole and stylet, LUER, working length 11 cm, 12 Fr.

Suction Tube, with cut-off hole and stylet, LUER, working length 11 cm, 15 Fr.

Forceps, length 20 cm

Nasal Cutting Forceps, working length 11 cm, round, size 2.

Cup Medicine, stainless steel, 60 cc, 33 mm high, diameter 70 mm

Cup Medicine, stainless steel, 100 cc, 30 mm high, diameter 80 mm

Suction Tube, with big holes, central hole \varnothing 4,0 mm, side holes 2.0 mm, Length 29 cm, standard model

Retractor, length 17 cm, 1 prong, sharp

Retractor, length 17 cm, 2 prongs, sharp

Retractor, length 21 cm, 2 prongs, sharp

Retractor, length 21 cm, 2 prongs, blunt

Retractor, length 21 cm, 4 prongs, sharp

Retractor, length 21 cm, 4 prongs, blunt

Retractor, length 21 cm, 6 prongs, sharp

Retractor, length 21 cm, 6 prongs, blunt

Retractor, length 21 cm, 30 mm x 12 mm, 4 prongs, blunt, curved backwards, for retraction of V.jugularis during neck-surgery.

Thymus Retractor, length 20.5 cm

Retractor, length 21.5 cm, size 33 mm x 14 mm

Retractor, length 21.5 cm, size 60 mm x 20 mm, oval blade

Dressing Forceps, length 14.5 cm, medium size

Dressing Forceps, length 14.5 cm, delicate size

Tissue Forceps, 1 x 2 teeth, length 14.5 cm, standard size

Tissue Forceps, 1 x 2 teeth, length 14.5 cm, medium size

Tissue Forceps, 1 x 2 teeth, length 14.5 cm, delicate size

Forceps, serrated, length 20 cm

Tissue Forceps, non- traumatic, length 16 cm.

Tissue Forceps, serrated, length 20 cm, standard, 1x 2 teeth, 3.5 mm wide

Bipolar Forceps, insulated, tips curved, blunt, tips 1 mm, length 16 cm

Bipolar Forceps, insulated, tips curved, blunt, tips 2 mm, length 19 cm

Bipolar High Frequency Cord length 300 cm

Ball Electrode, 4 mm

Spatula Electrode, straight

Handle for use with electrodes, without buttons, for use with AUTOCON 50/200/350, with integrated connecting cord length 300 cm.

Activation of the high frequency surgery unit is performed with two-pedal foot- switch

Forceps, standard size, length 19 cm, slightly curved

Handle No. 4,

Surgical Handle, No. 3, length 12.5 cm, for blades

Blade No. 10, sterile, package of 100

Blade No. 11, sterile, package of 100

Redon Guide Needle, angulated, with lancet tip, 10 Fr.

Ligature Needle, length 20 cm, blunt, curved to right

Ligature Needle, length 20 cm, blunt, curved to left

Needle Holder, tungsten carbide inserts, 13 cm.

Needle Holder, tungsten carbide inserts, 15 cm.

Needle Holder, tungsten carbide inserts, slender, length 18 cm

Forceps, length 14.5 cm

Dressing Forceps, serrated, 12 cm.

Tissue Forceps, 1 x 2 teeth 12 cm.

Tissue Forceps, non-traumatic, fine side grasping teeth, length 12 cm

Mosquito Forceps, 12.5 cm, curved.

Mosquito Forceps, 1 x 2 teeth, 12.5 cm, curved.

Towel Forceps, length 11 cm

Dissecting Forceps, without ratchet, 14 cm, straight.

Haemostatic Forceps, 1 x 2 teeth, straight, length 14 cm

Haemostatic Forceps, straight, length 14 cm

Haemostatic Forceps, straight, length 16 cm

Forceps, 4 x 5 teeth, length 15 cm

Hook Forceps, 4 x 4 teeth, length 15.5 cm

Dissecting Scissors, delicate tips, curved, 15 cm.

METZENBAUM Scissors, curved, length 18 cm.

METZENBAUM-LAHEY Scissors, curved, delicate, 15 cm.

METZENBAUM Scissors, curved, 14 cm.

STEVENS Scissors, curved, 10.5 cm

JOSEPH Scissors, 14 cm, curved.

Scissors, delicate, 10 cm, curved

Scissors, curved, length 14.5 cm, blunt/sharp

Scissors, straight, length 14.5 cm, blunt/sharp

Accessories:

Sterilization system complete consisting of standard accessories or as follows

Container Bottom

Container Lid

Wire Basket

Silicone mat

Wrapping Drapes

Optional (If any):

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Generic Name	Otoplasty Set
Clinical Purpose	Otoplasty also known as cosmetic ear surgery is a procedure to change the shape, position or size of the ears. You might choose to have otoplasty if you're bothered by how far your ears stick out from your head. You might also consider otoplasty if your ear or ears are misshapen due to an injury or birth defect.
TECHNICAL SPECIFICATIONS	
<p><u>Otoplasty Set</u></p> <p>Surgical Handle, No. 3, length 12.5 cm, for blades</p> <p>Blade No. 15, non-sterile, package of 100.</p> <p>Blade No. 11, non-sterile, package of 100.</p> <p>JOSEPH Scissors, 14 cm, curved.</p> <p>COTTLE Scissors, curved, 10.5 cm.</p> <p>Scissors, curved, length 14.5 cm, blunt/sharp</p> <p>Tissue Forceps, delicate, 1 x 2 teeth, length 10 cm, straight</p> <p>Tissue Forceps, 7 x 8 fine teeth, 11 cm.</p> <p>Dressing Forceps, length 14.5 cm, medium size</p> <p>Tissue Forceps, 1 x 2 teeth, length 14.5 cm, medium size</p> <p>STANDARD Cotton Applicator, triangular, serrated, 13 cm, Diameter: 1.1 cm</p> <p>COTTLE Nasal Knife, with rounded edge, 14 cm</p> <p>FREER Elevator, double-ended, length 20 cm.</p> <p>FREER JOSEPH Elevator, double-ended, delicate, 20 cm.</p> <p>FREER Raspatory, curved, width 4 mm, length 18 cm</p>	

Single Tenaculum, 16.5 cm, large curve.

Double Hook, sharp, 15 cm, 5 mm wide.

Retractor, length 17 cm, 2 prongs, blunt

Cup Medicine, stainless steel, 25 cc, 28 mm high, diameter 60 mm

Needles, Hypodermic, LUER-Lock, size 1, 0.90 mm x 40 mm (20 G), dozen

Needles, Hypodermic, LUER-Lock, size 12, 0.70 mm x 32 mm (22 G), dozen

Tonsil-Syringe, "ULTRA-ASEPT", glass barrel interchangeable, LUER-Lock, 5 cc.

Spare Barrel "ULTRA-ASEPT", 5 cc.

FERGUSON Suction Tube, with cut-off hole and stylet, LUER, working length 11 cm, 10 Fr.

FERGUSON Suction Tube, with cut-off hole and stylet, LUER, working length 11 cm, 8 Fr.

HALSTEAD Mosquito Forceps, 12.5 cm, curved.

Dissecting Forceps, without ratchet, 14 cm, straight.

ROCHESTER-PEAN Haemostatic Forceps, straight, length 14 cm

BACKHAUS Towel Forceps, length 11 cm

Needle Holder, tungsten carbide inserts, 13 cm.

Bipolar Coagulating Forceps, insulated, tips curved, tips 0.5 mm, length 16 cm, for use with bipolar high frequency cord

Bipolar High Frequency Cord length 300 cm

Accessories:

Sterilization system complete consisting of standard accessories or as follows

Container Bottom

Container Lid

Wire Basket

Silicone mat Wrapping Drapes
Optional (If any):

APPROVED PVMS

Generic Name	Septoplasty Set
Clinical Purpose	Septoplasty is a surgical procedure to correct a deviated septum a displacement of the bone and cartilage that divides your two nostrils. During septoplasty, your nasal septum is straightened and repositioned in the middle of your nose
TECHNICAL SPECIFICATIONS	
<p>Nasal Speculum, for adults, length 13 cm</p> <p>Nasal Speculum, blade length 55 mm, length 13 cm</p> <p>Nasal Speculum, standard model, blade length 55 mm, length 13.5 cm</p> <p>Nasal Speculum, standard model, blade length 90 mm, length 13.5 cm</p> <p>Nasal Speculum, standard model, blade length 75 mm, length 13.5 cm</p> <p>Nasal Forceps 45° upturned, size 2, working length 11 cm</p> <p>Nasal Dressing Forceps, serrated, working length 10.5 cm</p> <p>Suction Tube, with cut-off hole and stylet, LUER, 9 Fr., working length 11 cm</p> <p>Chisel, flat, graduated, straight, width 4 mm, length 18.5 cm</p> <p>Chisel, flat, graduated, straight, width 7 mm, length 18.5 cm</p> <p>Needle Holder, tungsten carbide inserts, length 13 cm</p> <p>Elevator, double-ended, semisharp and blunt, length 20 cm</p> <p>Suction Tube, with cut-off hole and stylet, LUER, 9 Fr., working length 11 cm</p> <p>Suction Tube, with cut-off hole and stylet, LUER, 10 Fr., working length 11 cm</p> <p>Suction Tube, with cut-off hole and stylet, LUER, 12 Fr., working length 11 cm</p> <p>Suction Tube, with cut-off hole and stylet, LUER, 15 Fr., working length 11 cm</p>	
Accessories:	

Sterilization system complete consisting of Container Bottom and Lid Wire Basket Silicone mat and Wrapping Drapes
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Optional (If any):

APPROVED PVMS

Generic Name	Septum Surgery Set
Clinical Purpose	Deviated Septum Surgery. During septoplasty, a surgeon, working through the inside of the nose, makes a small incision in the septum and then removes the excess bone or cartilage required to even out the breathing space of the nostrils
TECHNICAL SPECIFICATIONS	
<p>Nasal Speculum, for adults, length 13 cm</p> <p>Nasal Speculum, 13 cm, 55 mm.</p> <p>Nasal Speculum. 13.5 cm, 55 mm.</p> <p>Nasal Speculum, 13.5 cm, standard plattern, 75 mm</p> <p>Nasal Speculum, 13.5 cm, standard plattern, 90 mm</p> <p>Scissors, curved, 10.5 cm.</p> <p>Scissors, delicate, 10 cm, curved</p> <p>Scissors, 14 cm, curved.</p> <p>Scissors, angled, 10 cm.</p> <p>Nasal Forceps, straight size 1, working length 11 cm.</p> <p>Nasal Forceps, size 3 working lenght 11 cm, size 3.</p> <p>Nasal Forceps, straight, working length 9.5 cm</p> <p>Nasal Scissors, medium standard model, working lenght 9.5 cm</p> <p>Nasal Forceps, 45° upturned, working length 11 cm, size 2.</p> <p>Nasal Dressing For- ceps, working length 10.5 cm.</p> <p>Suction Tube, with cut-off hole and stylet, LUER, workinge lenght 11 cm, 9 Fr.</p>	

Bipolar Forceps, insulated, angled, pointed, length 16 cm

Tongue Depressor, length 19 cm

Columella Clamp, length 11 cm.

Tissue Forceps, non-traumatic, fine side grasping teeth, length 12 cm

Tissue Forceps, 7 x 8 fine teeth, 11 cm.

Dressing Forceps, delicate, 10 cm

Tissue Forceps, delicate, 1 x 2 teeth, length 10 cm, straight

Forceps, length 16.5 cm

Lower Lateral Forceps, with set screw, bayonet, 15 cm.

Cotton Applicator, tri- angular, serrated end, 15 cm, diameter: 1.3 mm.

Nasal Knife, curved, roundly tipped blade, 13.5 cm.

Nasal Knife, with rounded edge, 14 cm

Retractor, narrow (standard model), length 14 cm

Elevator, 14.5 cm, 4 mm.

Elevator, heavy, for elevating nasal fractures, 17 cm.

Chisel, flat, graduated, straight, 18.5 cm, 4 mm wide.

Chisel, flat, graduated, straight, 18.5 cm, 7 mm wide.

Mallet, length 18 cm

Suction Elevator with stylet, length 19.5 cm.

Elevator, double-ended, blunt, graduated, for tunneling, 22.5 cm.

Elevator, double-ended, graduated, sharp and blunt, 22.5 cm.

Needle Holder, delicate, light- weight, 17 cm.

Needle Holder, tungsten carbide inserts, 13 cm.

Scissors, curved, length 14.5 cm, blunt/sharp

Towel Forceps, length 11 cm

Nasal Snare, 25 cm.

Nasal Snare Wires, for cut and formed, length 10 cm, standard size, diameter 0.3 mm, package of 25.

Cup Medicine, stainless steel, 100 cc, 30 mm high, diameter 80 mm

Bipolar High Frequency Cord length 300 cm

Accessories:

Sterilization system complete consisting of

Container Bottom

Container Lid

Wire Basket

Silicone mat

Wrapping Drapes

Optional (If any):

APPROVED PVMS

Generic Name	Special Rhinoplasty Set
Clinical Purpose	Rhinoplasty is the most frequently performed cosmetic surgical procedure. The change can be made by adding or removing bone or cartilage, grafting tissue from another part of the body, or implanting synthetic material to alter the shape of the nose
TECHNICAL SPECIFICATIONS	
<p>Double Hook, 2 sharp points, strong curved, with octagonal handle, special matte finish, length 16.5 cm, 2 mm wide</p> <p>Ala-Dilator, for preparation and cutting of cartilage, with distance markings width 5 mm x 8 mm, length 9.5 cm</p> <p>Nasal Retractor, blade size 8 mm x 40 mm, length 16.5 cm</p> <p>Nasal Retractor, with side protector, special matte finish, length 16.5 cm</p> <p>Elevator, slightly curved, sharp, special matte finish, length 17.5 cm, 4 mm wide</p> <p>Scissors, angular, delicate, serrated blade, length 9.5 cm.</p> <p>Suction Tube, with cut-off hole and stylet, special matte finish, 8 Fr., working length 11 cm, O.D. 2.5 mm</p> <p>Angular Scissors, serrated blades, delicate, working length 6.5 cm.</p> <p>Cartilage Graft Forceps, with slit, length 15 cm</p> <p>Needle Holder, tungsten carbide inserts, extra delicate, 15 cm.</p> <p>Osteotome. With rounded corners and finger grip stabilizer, length 16.5 cm, 12 mm wide</p> <p>Osteotome. With rounded corners and finger grip stabilizer, length 16.5 cm, 14 mm wide</p> <p>Osteotome. With rounded corners and finger grip stabilizer, length 16.5 cm, 16 mm wide</p> <p>Osteotome, flat, with enlarged distal finger grip plate, width 2 mm, length 19 cm</p>	

<p>Nasal Rasp, tungsten carbide inserts, 20.5 cm, double-ended, blades size 3-4, coarse and medium.</p> <p>Nasal Rasp, tungsten carbide inserts, 20.5 cm, double-ended, blades size 5-6, medium.</p> <p>Nasal Rasp, tungsten carbide inserts, 20.5 cm, double-ended, blades size 7-8, medium and fine.</p> <p>Rongeur, slender, straight, 15.5 cm</p> <p>Nasal Hump Forceps, double action, curved blades, length 20 cm.</p> <p>Septum Morcelizer, double action, straight, special matte finish, length 20 cm</p> <p>Grid, for preparation of cartilage and bone grafts, graduated, size 50 x 90 mm</p> <p>Hone oil stone, 10 x 4 cm</p> <p>Metal Tray, to prepare crushed pieces for reimplantation in the nose, with hole for towel forceps size 10 cm x 15 cm.</p>
<p>Accessories:</p> <p>Sterilization system complete consisting of</p> <p>Container Bottom</p> <p>Container Lid</p> <p>Wire Basket</p> <p>Silicone mat</p> <p>Wrapping Drapes</p>
<p>Optional (If any):</p>

Generic Name	SMR Set
Clinical Purpose	A Submucous resection of the septum (SMR) is performed where there is only a small bump in the septum. This is simply cut away to leave a straighter septum. Sometimes a septoplasty/SMR is performed to allow easier access through the nose for sinus surgery
TECHNICAL SPECIFICATIONS	
<p>Nasal Speculum, for adults, length 13 cm</p> <p>Nasal Speculum, 13 cm, 55 mm.</p> <p>Nasal Speculum, 13.5 cm, standard plattern, 90 mm</p> <p>Scissors, curved, 10.5 cm.</p> <p>Nasal Forceps, size 3 working lenth 11 cm, size 3.</p> <p>Nasal Scissors, medium standard model, working lenth 9.5 cm</p> <p>Nasal Dressing For- ceps, working length 10.5 cm.</p> <p>Suction Tube, with cut-off hole and stylet, LUER, workinge lenth 11 cm, 9 Fr.</p> <p>Lower Lateral Forceps, with set screw, bayonet, 15 cm.</p> <p>Chisel, flat, graduated, straight, 18.5 cm, 4 mm wide.</p> <p>Mallet, lenth 18 cm</p> <p>Suction Elevator with stylet, length 19.5 cm.</p> <p>Needle Holder, delicate, light- weight, 17 cm.</p>	
<p>Accessories:</p> <p>Sterilization system complete consisting of</p> <p>Container Bottom</p> <p>Container Lid</p>	

Wire Basket
Silicone mat
Wrapping Drapes
Optional (If any):

APPROVED PVMS

Generic Name	CO2 Laser for ENT
Clinical Purpose	The use of lasers in ENT surgery is common practice today. the surgical otolaryngology approach has been revolutionized by the ability to perform minimally invasive, highly precise surgery, suitable for a wide range of treatments for diseases of ear/nose/throat . The most used source is the CO₂ laser , particularly appreciated for the high degree of precision in cutting combined with an excellent coagulation effect.
TECHNICAL SPECIFICATIONS	
<p>Consisting of:</p> <ul style="list-style-type: none"> Mobile console with color touch panel Multi user system for storage of user programs 25W or better power output Operation modes including continuous wave, pulse mode Single pulse upto 5s / 500 Hz variable Pulse repetition Beam delivery through free moving articulated arm with seven joints and 360⁰ rotation Low noise cooling system Hand piece 4"/6" with standard set of tips Nasal Hand piece with standard set of probes Micromanipulator with 200 to 400 mm zoom type focusing Foot switch 5 protective goggles Smoke evacuator 	
<p>Accessories:</p> <ul style="list-style-type: none"> Sterilization system complete 	
Optional (If any):	

Generic Name	Flexible Nasopharyngoscope for ENT
Clinical Purpose	A diagnostic procedure that examine the nasal passage ways and pharynx with an instruments outfitted with an optical system.
TECHNICAL SPECIFICATIONS	
Shaft Diameter :	3.8 mm or less
Working Length:	300 mm or more
Field of View:	70 Degree or Better
Angulations up/down:	100 or better
Depth of view:	5-50 mm or better
Fiber optic light cable	
Light source LED	
Accessories:	
Sterilization and Storage system complete	
Optional (If any):	

Generic Name	Portable Flexible Nasopharyngoscope for ENT
Clinical Purpose	A diagnostic procedure that examine the nasal passage ways and pharynx with an instruments outfitted with an optical system.
TECHNICAL SPECIFICATIONS	
Shaft Diameter :	3.8 mm or less
Working Length:	300 mm
Field of View:	70 Degree or Better
Angulations up/down:	100 or better
Depth of view:	5-50 mm or better
Portable Rechargeable LED Light Source	
Accessories:	
Sterilization and storage system complete	
Optional (If any):	

Generic Name	ENT unit combined
Clinical Purpose	The ENT treatment unit with an integrated suction system, ear irrigation module, compressed air system and an innovative LED light module
TECHNICAL SPECIFICATIONS	
<p>ENT unit combined with patient chair and stool allow the operator to manage a complete and professional activity for examination, treatment and diagnostics</p> <p>The unit shall have solid and mobile case with antistatic castors with brakes</p> <p>The structure coating shall be painted with SS/Antibacterial paint with a transparent gloss layer for protection against external agents.</p> <p><u>Drawer Module complete with instrument trays:</u></p> <p>2 to 4 Drawers ,UV lamp drawer inbuilt</p> <p><u>Instrument tablet :</u></p> <ul style="list-style-type: none"> • Visualization and control of all instruments related to suction or insufflation and of the digital vacuum and pressure systems. <p><u>Suction System:</u></p> <ul style="list-style-type: none"> • Noiseless Suction system with oil or dry pump having suction capacity 30 litres/min or more • Wastage collection jar 1 litter or more • System with assorted kit of suction cannulas. <p><u>Insufflation System:</u></p> <ul style="list-style-type: none"> • Insufflation with flow regulation system and Pulitzer olive included <p><u>Integrated LED Light Sources:</u></p> <ul style="list-style-type: none"> • Double neutral LED/ Halogen light sources • LED/ Halogen light source with automatic switching Light intensity shall be adjustable by touch screen. <p><u>Larynx mirror quick heating:</u></p> <p><u>Compressed air system complete with:</u></p> <ul style="list-style-type: none"> • Air syringe for spray olives • 2 atomizers: • 2 bottle holders for medicaments. <p><u>Rinsing system of suction tubes</u></p> <ul style="list-style-type: none"> • Rinsing system of suction tubes shall be complete with automatic discharge outside • ON/OFF switch and timing shall be settable by touch screen on the instrument tablet. 	

Endoscope supports

2 to 4 (I o specify) endoscope supports: 2 long supports for flexible (clean and dirty) and 6 for rigid endoscopes (clean and dirty).

Endoscope Warmer

Timed system for simultaneous preheating of endoscope supports at 38°.

HEAD LIGHT:

- With Head band

ENT Chair

- Professional chair designed for ENT examination in specialized departments that provide comfort for both patient and operator.
- Pedal for all the independent movements' control (High quality motors with lifting capability and operating electrically and separately the up/down, backrest, seat and leg rest movements.
- Inclination in Trendelenburg position.
- Synchronized backrest-seat movement to grant security

Optional

1. Automatic discharge system of suction
2. Rigid Endoscopes 2.7 MM 0° or 30°
3. Rigid Endoscopes 4 MM 0° or 30°
4. Adult Flexible Nasopharyngoscope
5. Video Capturing Software with camera
6. ENT Microscope with articulated arm
7. Integrated UV compartment in drawer
8. Doctor's Stool

Optional (If any):

Generic Name	Diagnostic Audiometer
Clinical Purpose	An audiometer is a machine used for evaluating hearing acuity. They usually consist of an embedded hardware unit connected to a pair of headphones and a test subject feedback button, sometimes controlled by a standard PC. Such systems can also be used with bone vibrators, to test conductive hearing mechanisms.
TECHNICAL SPECIFICATIONS	
<p>Frequency upto 8KHz Air conduction Bone conduction Narrow band Speech Power supply 220/240V AC AC Headset BC Headset Patient response switch Microphone Compatible printer</p>	
<p>Accessories: Sterilization and storage system complete</p>	
<p>Optional : Audiometry test booth (Local)</p>	

Generic Name	Tympanometry
Clinical Purpose	For examination and use to test the condition of the middle ear and mobility of the eardrum (tympanic membrane) and the conduction bones by creating variations of air pressure in the ear canal.
TECHNICAL SPECIFICATIONS	
Fast, automatic tympanometric test Probe frequency – 226Hz +/- 1% Pressure range +200 to -400 daPa ipsi lateral reflex test with 4 frequencies contra lateral reflex test Headset Printer	
Accessories:	
Optional (If any):	

Generic Name	Otoacoustic Emission system
Clinical Purpose	OAE or Otoacoustic emission testing is the recording of sounds that the ear produces itself
TECHNICAL SPECIFICATIONS	
<p>The Otoacoustic emission system shall be ideal for all types of OAE (Otoacoustic emissions) testing TEOAE, DPOAE and Suppression tests</p> <p>The system shall also perform AABR (automated auditory brainstem response) screening tests using the optional pre-amplifier.</p> <ul style="list-style-type: none"> • Having a storage memory of up to 250 tests or more • Automatic probe and calibration control, combined with ambient noise monitoring, provide reliable results. <p><u>OAE Features</u> TEOAE (Transiently evoked otoacoustic emissions) DPOAE (Distortion Products otoacoustic emissions)</p> <p><u>AABR Features</u> ACQUISITION LCD Display <u>Standard Accessories</u></p> <ul style="list-style-type: none"> • SOAE probe • Ear tips for adults and neonates • Rechargeable NiMh battery • Battery charger • Probe cleaning kit • CD / USB with software LAP • ABR amplifier with cable • 10 packages of 3 disposable pre-jelled pediatric electrodes 	
<p>Accessories: Sterilization and storage system complete</p>	
Optional (If any):	

Generic Name	Auditory Evoked Potential system
Clinical Purpose	Brainstem auditory evoked response (BAER) test. This test can diagnose hearing ability and can point to possible brainstem tumors or multiple sclerosis. Electrodes are placed along your scalp and the electrical signals are recorded as you watch a checkerboard pattern flash for several minutes on a screen
TECHNICAL SPECIFICATIONS	
<p>A system for auditory evoked potentials and neuro-otology designed to give audiologists and ENT a complete series of audiological tests having following features:</p> <p>Portable system for multiple offices.</p> <p>Availability of trace comparison function for automatically calculating and displaying latencies difference.</p> <p>Threshold protocol for evaluating patient's hearing threshold in a short time coupleable with automatic pass/refer function.</p> <p>Software program that allows the direct transfer of data from measuring instrument to the computer.</p> <p><u>Acquisition</u></p> <ul style="list-style-type: none"> • Number of channels: 2 • Acquisition mode:16 bit ADC <p><u>ELECTRODE IMPEDANCE</u></p> <p>Built-in meter for each channel, monitoring single electrode (Z+ and Z-) and differential impedance.</p> <p><u>Standard Accessories</u></p> <ul style="list-style-type: none"> • AEP (Auditory Evoked Potential) 2 channels preamplifier • Paired supra-aural phones • Patient push-button • CDROM with software including all test modalities • Ag/AgCl surface electrode kit • Power cord set, universal. GND cable • USB port: built-in - USB cable provided • Carrying case <p><u>Optional</u></p> <p>Software program shall calculate the relationship SP/AP for ECoG (ElectroCochleography)</p>	

Generic Name	General Surgery Set for ENT
Clinical Purpose	ENT surgeons diagnose and treat conditions of the ears, nose, throat, head and neck, and undertake some cosmetic procedures
TECHNICAL SPECIFICATIONS	
<p>Description</p> <p>FOERSTER SPONGE HOLD.FORC.,SERRAT.JAWS BACKHAUS TOWEL HOLDING FORCEPS,110MM SCALPEL HDL.NO.3 SCALPEL HDL.NO.4 MAYO DISSECT.SCISSORS CVD.170MM METZENBAUM DISSECT.SCISSORS CVD.145MM METZENBAUM DISSECT.SCISSORS CVD.200MM OP.SCISSORS,STR.,BL/SH,145MM DISSECTING FORCEPS,STD.PATTERN,145MM DISSECT.FORCEPS W/O T.STD.PATT.200MM TISSUE FORCEPS,STD.PATT.,1X2 T.,145MM DISSECT.FORCEPS STD.PATT.1X2T.200MM CUSHING DISSECT.FORCEPS STR.200MM HALSTED MOSQUITO FORCEPS STR.125MM CRILE ARTERY FORCEPS CVD.140MM PEAN ARTERY FORCEPS STR.140MM KOCHER-OCHSN.ARTERY FORC.1X2T.STR.160MM KOCHER-OCHSN.ARTERY FORC.1X2T.STR.200MM MIKULICZ PERITONEUM FORCEPS CVD.205MM OVERHOLT FORCEPS # 0 CVD215MM OVERHOLT FORCEPS # 1 CVD209MM ALLIS INTESTINAL FORCEPS 4X5 T.155MM HEGAR-MAYO NEEDLE HOLDER,150MM HEGAR-MAYO NEEDLE HOLDER 200MM DESCHAMPS NDLF/RT-HNDBLTLNG-HK215MM DIRECTOR W/TONGUE STR 145MM DOUBLE-ENDED PROBE 1.5MM 145MM CUSHING VEIN RETRACTOR 10X13MM 203MM SENN-MILLER RECTOR. SH. 8X7/18X5.5MM FARABEUF RTRCTRS23X16/28X16-20X16/24X16 VOLKMANN RETR4-PRGSEMI-S8.5X19222MM KOCHER-LANGENBECK RETR 41X11MM216MM KIDNEY TRAY STAINLESS STEEL 250MM</p>	

LABORATORY DISH 0.16 L
Accessories: Sterilization system complete consisting of Container Bottom Container Lid Wire Basket Silicone mat Wrapping Drapes Identification Labels
Optional (If any):

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Generic Name	Mastoid Drill System
Clinical Purpose	The removal of bone from the mastoid process. This process is located behind the ear canal and contains air cells which drain into the middle ear. There removal becomes necessary if they are diseased or if a cholesteatoma, an infected skin cyst in the middle ear and mastoid, is present.
TECHNICAL SPECIFICATIONS	
<p>MICRO SURGICAL HIGH SPEED DRILL 40,000 to 100,000rpm Consisting Of:</p> <p>Control Unit High Speed Electronic Micro Motor 40000 rpm or better with Cable Single / double Foot Control including connecting cable Standard Irrigation set</p> <p>INTRA DRILL HANDPIECES: INTRA DRILL HANDPIECE STRAIGHT FOR EAR INTRA DRILL HANDPIECE ANGLED FOR EAR DIAMOND CUTTING BURRS SET 70MM (set of 14) TUNGSTEN CARBIDE BURRS SET 70MM (set of 14) Cleaning Brushes Lubrication oil spray</p>	
<p>Accessories: Sterilization and storage system complete</p>	
Optional (If any):	

Generic Name	TONSILECTOMY INSTRUMENTS SET
Clinical Purpose	A tonsillectomy is a surgical procedure to remove the tonsils. Tonsils are two small glands located in the back of your throat. Tonsils house white blood cells to help you fight infection, but sometimes the tonsils themselves become infected
TECHNICAL SPECIFICATIONS	
<p>SCALPEL HANDLE #3 WITH MEASURE 125MM SCALPEL HANDLE #4 135MM SCALPEL HANDLE #7 ENGLISH NO.5 160MM YANKAUER SUCTION CANNULA 2.0MM 285MM MCIVOR BLADE F/TONGUE DEPR FRAME 25X55MM MCIVOR BLADE F/TONGUE DEPR FRAME 25X62MM MCIVOR BLADE F/TONGUE DEPR FRAME 25X75MM MCIVOR FRAME F/TONGUE DEPRESSOR TC METZENBAUM SCISSORS STR 180MM TC METZENBAUM SCISSORS CVD 180MM BACKHAUS TOWEL CLAMP 90MM BACKHAUS TOWEL CLAMP 110MM BACKHAUS TOWEL CLAMP 135MM FOERSTER SPONGE FCPS SMOOTHSTR 245MM FOERSTER SPONGE FCPS SMOOTHCVD245MM TC CRILE-WOOD NDL HLDRSTRSERR 145MM TC CRILE-WOOD NDL HLDRSTD SERR185MM TC CRILE-WOOD NDL HLDRSTD SERR 200MM BARNHILL ADENOID CURETTE #1 200MM BARNHILL ADENOID CURETTE #2 200MM BARNHILL ADENOID CURETTE #3 200MM BARNHILL ADENOID CURETTE #4 200MM LOVE NERVE ROOT RETRACTOR STR 220MM ADENOTOME LA FORCE SIZE 1 ADENOTOME LA FORCE SIZE 2 ADENOTOME LA FORCE SIZE 3 WEDER TONGUE DEPRESSOR FEN SM 125MM WEDER TONGUE DEPRESSOR FEN LRG125MM WHITE TONSIL SEIZING FORCEPS180MM WHITE TONSIL SEIZING FORCEPS235MM EVES TONSIL SNARE 280MM SNARE WIRES 0.5MM DIA</p>	

BRUENINGS TONSIL SNARE 10 290MM
FISHER TONSIL KNIFE 235MM
TONSIL DISSECTOR/PILLAR RETR 6MM215MM
TONSIL DISSECTOR/PILLAR RETR10MM215MM
KIDNEY TRAY STAINLESS STEEL 250MM
KIDNEY TRAY 275MM 750ML
LABORATORY DISH 1.0 L
LABORATORY DISH 2.5 L
DOUGHTY MOUTH GAG COMPLETE SET
DAVIS BOYLE MOUTH GAG COMPLETE SET
DOYEN MOUTH GAG COMPLETE SET
CHEEK RETRACTOR
NEGUS FORCEP
STRAIGHT ARTERY FORCEPS
TONSIL NEEDLE
TEETH GUARD

Accessories:

Sterilization system complete consisting of
Container Bottom
Container Lid
Wire Basket
Silicone mat
Wrapping Drapes
Identification Labels

Optional (If any):

APPROVED PVMS

Generic Name	VIDEO OTOSCOPE SYSTEM
Clinical Purpose	video-otoscope is a small endoscope connected to a digital camera for examining the outer ear and eardrum
TECHNICAL SPECIFICATIONS	
Video Otoscope Complete with USB port, integrated lighting, with same brand monitor Multi use ear speculum of different sizes Single-use ear speculum for video otoscope, pack of 100 pieces or more	
Accessories: Sterilization and storage system complete	
Optional (If any):	

APPROVED PVMS

Generic Name	STORBOSCOPE
Clinical Purpose	An instrument for studying periodic motion or determining speeds of rotation by shining a bright light at intervals so that a moving or rotating object appears stationary. a lamp made to flash intermittently, especially for this purpose
TECHNICAL SPECIFICATIONS	
Motion Frequency:- 0 to 2.5 Hz Phase Shift:- 0 to 360 or better Triggeable frequency:- up to 1400 Hz or Less Light source LED / Xenon Telescope 70 and 90 digree 18cm Foot Padel	
Accessories: Sterilization and storage system complete	
Optional (If any):	

Generic Name	Patient Nerve Monitor
Clinical Purpose	Patient Nerve Monitoring Systems. Intraoperative NIM nerve monitoring systems enable surgeons to identify, confirm, and monitor motor nerve function to help reduce the risk of nerve damage during various procedures, including ENT and general surgeries
TECHNICAL SPECIFICATIONS	
Facial Nerve Monitor Recurrent Laryngial Narve Speciallize Endotrehceal Tube	
Accessories: Sterilization and storage system complete	
Optional (If any):	

APPROVED PVMS

Generic Name	OPERATING MICROSCOPE FOR ENT
Clinical Purpose	For high quality imaging and brilliant illumination with microscopes for ear, nose and throat
TECHNICAL SPECIFICATIONS	
<p>Floor mounted stand with counterbalanced arm Microscope body with linear motorized zoom (1:6) or better Motorized fine focusing Adjustable speed for focus and zoom Continuously variable focal length 225 to 400mm without changing front lens Binocular tiltable 0° to 180° with IPD adjustment Coaxial illumination Variable spot illumination Eyepieces 10X/12.5X with diotric adjustment Fully apochromatically corrected optics with high light transmission Dust cover Sterilization protective caps for all drive knobs Xenon illumination with controllable intensity 180 Watt or better Waterproof foot control panel Stereo co-observation attachment with inclination with straight binocular tube Beam splitter HD camera attachment Recorder with hard drive and 30" LCD / LED screen</p>	

Note:

Reference names and minor variations in sizes of shall not be considered as reason of rejection.