

# PVMS OF ENT

DRAFT

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Clinical Specialty	ENT Department
Generic Name	<b>EAR Surgery Set</b>
Clinical Purpose	To repair hearing loss by replacing a <b>middle</b> ear bone with a prosthesis
<b>TECHNICAL SPECIFICATIONS</b>	
<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 Forceps, 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 Crurotomy 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>	

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.  
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

<p>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</p>
<p><b>Accessories:</b>                  Sterilization system complete consisting of                  Container Bottom                  Container Lid                  Wire Basket                  Silicone mat                  Wrapping Drapes                  Identification Labels</p>
<p>Optional (If any):</p>

Clinical Specialty	ENT Department
Generic Name	<b>Functional Endoscopic Sinus Surgery Complete Set (FESS)</b>
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**

**HAND INSTRUMENT SET FOR FESS**

Straight Forward Telescope 0°, enlarged view, diameter 4 mm, length 17.5cm to 18 cm, autoclavable, fiber optic light transmission incorporated, color code: green

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

Lateral Telescope 70°, enlarged view, diameter 4 mm, length 17.5 cm to 18 cm, autoclavable, Fiber optic light transmission incorporated, Color code: yellow

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

Straight Forward Telescope 0°, enlarged view, diameter 2.7mm, length 17.5 cm to 18 cm, autoclavable, fiber optic light transmission incorporated

Straight Forward Telescope 30°, enlarged view, diameter 2.7mm, length 17.5 cm to 18 cm, autoclavable, fiber optic light transmission incorporated

Straight Forward Telescope 70°, enlarged view, diameter 2.7mm, length 17.5 cm to 18 cm, autoclavable, fiber optic light transmission incorporated

### **Shaver System For FESS**

ENT motor system with color display, touch screen, two motor outputs, integrated irrigation pump and integrated module, 100 - 240 VAC, 50/60 Hz

#### **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 paranasal 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, 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 3 Chip 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

Power Supply: 100-240 VAC, 50/60 Hz

#### **Consisting of:**

Pure 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

Keyboard with US-English character set For use HD 3-Chip Camera Heads

Camera head, 3-Chip 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

Integrated documentation unit via USB.

High-Performance LED Cold Light Fountain with one light outlet, power supply 100 - 240 VAC, 50/60 Hz

**Including:**

Mains cord

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

26" or more FULL HD Medical Graded Monitor, with adaption, With LED Back Light For Low Energy, Picture-in-Picture (PiP) And Picture-by-Picture With Medical Grade FDA, UL & CE Approval

**Special Features:**

color systems

Max. screen resolution 1920 x 1080,  
image format

Interface:

power supply

Video inputs:

Video outputs:

**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

Container Bottom

Container Lid

Wire Basket

Silicone mat

Wrapping Drapes

Identification Labels

**Optional items**

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

Clinical Specialty	ENT Department
Generic Name	<b>Rigid Bronchoscope Adult with Optical Forceps</b>
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. <sup>[1]</sup> Massive hemoptysis, defined as loss of >600 mL of blood in 24 hours, is a medical emergency and should be addressed with initiation of intravenous fluids and examination with rigid bronchoscopy.
<b>TECHNICAL SPECIFICATIONS</b>	
<p>Universal Bronchoscope, Size 8.5 to 12 mm, outer diameter 11.2 mm, inner diameter 10.5 mm, length 43 cm, with Fiber Optic Light Carrier</p> <p>Universal Bronchoscope, size 6.5 to 10 mm, outer diameter 9.2 mm, inner diameter 8.5 mm, length 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</p> <p>Injection Cannula, for positive pressure assisted ventilation system, LUER-Lock, outer diameter 3.5 mm, for use with Bronchoscope Models</p> <p>Adjustable Magnifier, swing-away type, with ring adaption, autoclavable</p> <p>Adaptor, for respirator</p> <p>Straight Forward Tele- scope 0°, diameter 5 to 5.5 mm, length 50 cm, autoclavable. Fiber optic light transmission</p>	

Incorporated. Color code: green

Optical Forceps, alligator, for hard foreign bodies, large jaws, with spring-action handle for use with telescopes

Optical Forceps, for peanuts and soft foreign bodies, with spring-action handle, for use with telescopes

Optical Forceps, universal, for biopsy, for removal of foreign bodies and denatured tissue for use with telescopes

Forceps, alligator, for hard foreign bodies, double-action jaws, sheath diameter 2.5 mm, working length 50 cm

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

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

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

LED 150, High-Performance LED Cold Light Fountain with one light outlet, power supply 100 - 240 VAC, 50/60 Hz

**Including:** Mains cord

Fiber Optic Light Cable, with straight connector, diameter 3.5 mm, length 180 cm  
Minor deviation in sizes is acceptable

**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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Clinical Specialty	ENT Department
Generic Name	<b>HEAD LIGHT</b>
Clinical Purpose	Head Light used during inspection and surgery of Ear Nose and Throat.

<b>TECHNICAL SPECIFICATIONS</b>	
<p>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> <p><b>Including:</b>                  LED Headlight                  Control Unit                  Battery Box                  Battery Pack                  Charger USB                  Headband</p> <p>High-Performance LED Cold Light Fountain with one light outlet, power supply 100 - 240 VAC, 50/60 Hz  <b>including:</b>                  Mains cord</p>	
Accessories:	
Optional (If any):	

Clinical Specialty	ENT Department
Generic Name	<b>Rigid Bronchoscope Paeds with Optical Forceps</b>
Clinical Purpose	Bronchoscopy is an endoscopic technique of

	<p>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.<sup>[1]</sup> Massive hemoptysis, defined as loss of &gt;600 mL of blood in 24 hours, is a medical emergency and should be addressed with initiation of intravenous fluids and examination with rigid bronchoscopy</p>
<p><b>TECHNICAL SPECIFICATIONS</b></p>	
<p>Bronchoscope, length 20 to30 cm, size 6</p> <p>Bronchoscope, size 4.5 to 5, outer diameter 7.3 mm, inner diameter 6.6 mm, length 20 to30 cm</p> <p>Bronchoscope, size 3.5 to 5, outer diameter 5.7 mm, inner diameter 5 mm, length 30 cm</p> <p>Prismatic Light Deflector autoclavable, with connection to fiber optic light cable</p> <p>Glass Window Plug</p> <p>Rubber Telescope Guide for use with telescopes or optical for- ceps</p> <p>FLUVOG Adaptor with sliding glass window plug, sealing cap, Notched lens and keyhole opening, moveable.</p> <p>Adjustable Magnifier, swing-away type, with ring adaption, Autoclavable</p> <p>Adaptor, for respirator</p>	

Injection Cannula, for positive pressure assisted ventilation system, LUER-Lock, outer diameter 3.5 mm, for use with Bronchoscope Models

Straight Forward Telescope 0°, diameter 2.9 mm, length 36 cm, autoclavable, fiber optic light transmission incorporated, color code: green

Optical Coin Forceps for Pediatric Broncho-Oesophagoscope, 2 x 2 teeth, for use with telescope forced controlled handle for removal of coins and flat foreign bodies

Optical Alligator Forceps for Pediatric Broncho-Oesophagoscope, for use with telescope forced controlled handle for removal of hard foreign bodies

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

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

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

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

Cotton Carrier, working length 35 cm

Sponge Holder, working length 35 cm

Foreign Body Basket with ring handle, working length 35 cm

LED 150, High-Performance LED Cold Light Fountain with one light outlet, power supply 100 - 240 VAC, 50/60 Hz

**including:**  
Mains cord

Fiber Optic Light Cable, with straight connector, diameter 3.5 mm, length 180 cm  
Minor deviation in sizes will be acceptable

<p><b>Accessories:</b>                  Sterilization system complete consisting of                  Container Bottom                  Container Lid                  Wire Basket                  Silicone mat                  Wrapping Drapes                  Identification Labels</p>
<p>Optional (If any):</p>

Clinical Specialty	ENT Department
Generic Name	<b>Direct Laryngoscope set with Optics</b>
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.

<b>TECHNICAL SPECIFICATIONS</b>	
<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 autoclavable,                  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,</p>	

medium, length 17 to 18 cm  
(for anterior commissure)

(KLEINSASSER) Operating  
Laryngoscope for children,  
small, length 15 cm

(KLEINSASSER) Operating  
Laryngoscope for infants,  
small, length 13 cm

Clip for proximal illumination

Fiber Optic Light Carrier, for distal illumination, working length 14 cm, for use with  
Laryngoscopes and  
Diverticulosopes

Fiber Optic Light Carrier for distal illumination, working length 7.5 cm, for use with  
Laryngoscopes

(KLEINSASSER) / Laser Laryngoscope modified for CO<sub>2</sub>-LASER surgery, for  
children, with lateral outer channels for  
suction tube to remove vapor and/or for fiber optic light carrier, length 15 cm

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

(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 23 cm

(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

<p>length 26 cm, for use with unipolar High Frequency Cords</p> <p>Unipolar High Frequency Cord, with 5 mm plug, length 300 cm,</p> <p>Bipolar Forceps, jaws upturned, for bipolar coagulation in larynx, working length 23 cm, for use with Bipolar High Frequency Cords</p> <p>Bipolar High Frequency Cord, with two 2 mm cable sockets for Bipolar Suction Forceps and Bipolar Forceps length 450 cm</p> <p>High-Performance LED Cold Light Fountain, power supply 100 - 240 VAC, 50/60 Hz  <b>including:</b>                  Mains cord                  Fiber Optic Light Cable, with straight connector, diameter 3.5 mm or better, length 180 cm</p>
<p><b>Accessories:</b>                  Sterilization system complete consisting of                  Container Bottom                  Container Lid                  Wire Basket                  Silicone mat                  Wrapping Drapes                  Identification Labels</p>
<p>Optional (If any):</p>

Clinical Specialty	ENT Department
Generic Name	<b>Esophagoscope Adult with Optical Forceps</b>
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. We have extensive experience performing this procedure. biopsies for a variety of diagnostic purposes can be obtained through the esophagoscope.

## TECHNICAL SPECIFICATIONS

Oval Operating Esophagoscope. Length: 50 cm. Size: 12 x 16

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

Oval Operating Esophagoscope. Length: 30 cm. Size: 8 x 12

Fiber Optic Light Carrier for use with esophagoscopes, length 50 cm

Fiber Optic Light Carrier for use with esophagoscopes, length 40 cm

Fiber Optic Light Carrier for use with esophagoscopes, length 30 cm

Adjustable Magnifier, swing-away type, with ring adaption, autoclavable Handle

Straight Forward Tele- scope 0°, diameter 5.5 mm, length 53 cm, autoclavable. Fiber optic light transmission

Incorporated. Color code: green

Esophagoscope Tube, size 11, outer diameter 12 mm, for use with fiber optic light transmission working length 50 Cm

Tube-insert, with instrument channel and anti-Fog-device, for use with esophagoscope-tube and straight forward Telescope

Window for Esophagoscope

Rubber insufflation bulb, with detachable tube, with LUER-lock connector,

**Including:**

Rubber bulb

Rubber tube

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

<p>Forceps, alligator, for hard foreign bodies, double-action jaws, sheath diameter 2.5 mm working length 55 cm</p> <p>Forceps, for peanuts and soft foreign bodies, double action jaws, sheath diameter 2.5mm, working length 55cm</p> <p>Rigid Suction Tube, outer diameter 4 mm, working length 55 cm</p> <p>Cotton Carrier, working length 55 cm.</p> <p>Sponge Holder, spring handle, working length 55 cm</p> <p>Foreign Body Basket, with ring handle, working length 50 cm</p> <p>LED 150, High-Performance LED Cold Light Fountain with one light outlet, power supply 100 - 240 VAC, 50/60Hz  <b>including:</b></p> <p>Mains cord                  Fiber Optic Light Cable, with straight connector, diameter 3.5 mm, length 180 cm</p>
<p><b>Accessories:</b>                  Sterilization system complete consisting of                  Container Bottom                  Container Lid                  Wire Basket                  Silicone mat                  Wrapping Drapes                  Identification Labels</p>
<p>Optional (If any):</p>

Clinical Specialty	ENT Department
Generic Name	<b>Rigid Esophagoscope Peads with Optical Forceps</b>
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. We have extensive experience performing this procedure. biopsies for a variety of diagnostic purposes can be obtained tythrough the esophagoscope.

## TECHNICAL SPECIFICATIONS

Esophagoscope Tube, length 30 cm, size 6

Esophagoscope Tube, length 30 cm, size 5

Esophagoscope Tube, length 18,5 cm, size 3

Prismatic Light Deflector autoclavable, with connection to fiber optic light cable

Rubber Telescope Guide for use with telescopes or optical for- ceps

Telescope Bridge for connection with Telescope

Straight Forward Telescope 0°, diameter 2.9 mm, length 36 cm, autoclavable, fiber optic light transmission incorporated, color code: green

Optical Coin Forceps for Pediatric Broncho-Esophagosopes, 2 x 2 teeth, for use with telescope forced controlled handle for removal of coins and flat foreign bodies

Optical Alligator Forceps for Pediatric Broncho-Esophagosopes, for use with telescope , forced controlled handle for removal of hard foreign bodies

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

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

Forceps, pointed, serrated,for coins and flat foreign bodies, double-action jaws, sheath diameter 1.5 mm,

<p>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 150 High-Performance LED Cold Light Fountain with one light outlet, power supply 100 - 240 VAC, 50/60 Hz  <b>including:</b>                  Mains cord</p> <p>Fiber Optic Light Cable, with straight connector, diameter 3.5 mm, length 180 cm</p>
<p><b>Accessories:</b>                  Sterilization system complete consisting of                  Container Bottom                  Container Lid                  Wire Basket                  Silicone mat                  Wrapping Drapes                  Identification Labels</p>
<p>Optional (If any):</p>

Clinical Specialty	ENT Department
Generic Name	<b>Video Rhino Laryngoscope</b>
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.
<b>TECHNICAL SPECIFICATIONS</b>	

<p><b>CMOS / CCD Video-Rhino-Laryngoscope</b></p> <p>Direction of view: 0°</p> <p>Angle of view: 75 to 85° or more</p> <p>Deflection: up 130-140,</p> <p>down 130- 40°</p> <p>Working length: 30 cm</p> <p>O.D.: 3.7 mm</p> <p><b>Light Source</b></p> <p>LED / Xenon 100 watt or better Light Source</p> <p>Light Built in with Monitor or Separately both are acceptable</p> <p><b>Monitor</b></p> <p>Medical Graded Monitor 19" or better</p> <p><b>Video Processor</b></p> <p>Video Processor Resolution 720 or better Built in or Separate</p> <p>Output Ports:- DVI , RGB / HDMI</p> <p>Basket, For storing Video Rhino Laryngoscope</p> <p>Container for Disinfection/Sterilization</p> <p>Trolley or stand for Scope</p>	
Accessories:	
Optional (If any):	

Clinical Specialty	ENT Department
Generic Name	<b>Antral Wash Out Set</b>
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
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### TECHNICAL SPECIFICATIONS

Nasal Speculum, blade length 30 mm, length 13 cm

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

Nasal Speculum, for children, length 13 cm

Nasal Speculum, with fiber optic light carrier, blade length 40 mm, length 13.5 cm

Illuminated Nasal Speculum with fiber optic light carrier. 13.5 cm, 75 mm.

Suction Tube, angular, conical, LUER, with grip plate, outer diameter 3.5 mm, working length 11 cm

Suction and Irrigation Tube, cylindrical, suction tube outer diameter 1 mm, irrigation tube outer diameter 1 mm, working length 9.5 cm

Suction and Irrigation Tube, cylindrical, suction tube outer diameter 2.5 mm, irrigation tube outer diameter 2 mm, working length 9.5 cm

Nasal Probe, curved, working length 11 cm, total length 18 cm

Cotton Applicator, standard model, triangular, serrated, diameter 1.3 mm, length 15 cm

Nasal Dressing Forceps, bayonet-shaped, length 16.5 cm

Nasal Dressing Forceps, bayonet-shaped, length 20 cm

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

<p>Antrum Trocar, LUER-Lock, with lateral holes, outer diameter 2 mm, working length 10 cm</p> <p>Antrum Trocar, LUER-Lock, with lateral holes, outer diameter 2 mm, working length 10 cm</p> <p>Antrum Cannula, length 12.5 cm, with cut-off hole, O.D.: 2.5 mm, LUER-lock, short curved</p>
<p><b>Accessories:</b>                  Sterilization system complete consisting of                  Container Bottom                  Container Lid                  Wire Basket                  Silicone mat                  Wrapping Drapes                  Identification Labels</p>
<p>Optional (If any):</p>

Clinical Specialty	ENT Department
Generic Name	<b>Anterior Skull Base Set</b>
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
<b>TECHNICAL SPECIFICATIONS</b>	
<p>Straight Forward Telescope 0°, enlarged view, diameter 4 mm, length 17.5 cm 18 to cm, autoclavable, 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, for use with HOPKINS® II Telescope and lens irrigation system</p> <p>Forward-Oblique Telescope 45°, enlarged view, diameter 4 mm, length 18 cm, autoclavable, Fiber optic</p>	

light transmission incorporated, Color code: black

Suction and Irrigation Sheath, outer diameter 4.8 x 6 mm, working length 14 cm, for use with Telescope and lens irrigation system

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

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

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

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

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

Miniature Nasal Forceps, with extra fine flat jaws, through-cutting, tissue-sparing, 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 13

<p>Cm</p> <p>Nasal Forceps, end of sheath 25° upturned, through-cutting, with straight jaws, BLAKESLEY shape, width 3 mm, with cleaning connector, working length 13 cm</p> <p>Nasal Forceps, end of sheath 25° upturned, jaws 45° upturned, width 3 mm, with cleaning connector, working length 13 cm</p> <p>Antrum Grasping Forceps, jaws curved downwards, fixed jaw curved 90°, movable jaw backward opening 120°, with cleaning connector, working length 10 cm</p> <p>Sphenoid Punch, tip curved 30°, through-cutting, reversible, size 1.6 x 2 mm, working length 17 cm</p> <p>Frontal ostium seeker curved, double ended</p> <p>Elevator, double-ended angulated semi-sharp shovel blade, blunt end slightly curved, length 26 cm</p> <p>Elevator, double-ended angulated semi-sharp shovel blade, blunt end slightly curved, length 26 cm</p> <p>Elevator, double-ended semi-sharp and blunt, length 26 cm</p> <p>Hook, 90°, blunt, length 25 cm, with round handle</p> <p>Round Knife, vertical, 3.5x2.5mm length 25 cm, with round handle</p> <p>Suction Elevator, curved, length 25 cm, with mandarin</p> <p>Suction Tube, without cut-off hole, LUER, diameter 2 mm, working length 15 cm</p>
<p><b>Accessories:</b>          Sterilization system complete consisting of          Container Bottom          Container Lid          Wire Basket          Silicone mat          Wrapping Drapes          Identification Labels</p>
<p>Optional (If any):</p>

Clinical Specialty	ENT Department
Generic Name	<b>Basic Rhinoplasty Set</b>
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
<b>TECHNICAL SPECIFICATIONS</b>	
<p>Surgical Handle, length 14 cm, for Blades</p> <p>Blade, Fig. 15, non-sterile, package of 100</p> <p>Blade, Fig. 11, non-sterile, package of 100</p> <p>Miniature Blade, Fig. 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> <p>Crossbar Chisel, graduated, single-edged grinding, curved, width 6 mm, length 18.5</p>	

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

<p>COTTLE Columella Clamp, length 11 cm</p> <p>KAZANJIAN Forceps, length 20 cm</p> <p>JANSEN-MIDDLETON Septum Forceps, angular, through-cutting, working length 10 cm</p>
<p><b>Accessories:</b></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>Identification Labels</p>
<p>Optional (If any):</p>

Clinical Specialty	ENT Department
Generic Name	<b>Cochlear Implantation</b>
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

<p><b>TECHNICAL SPECIFICATIONS</b></p> <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, elastic, length 18 cm</p> <p>OLIVECRONA Brain Spatula, double anded, angular, 7 and 9 mm wide, concav, elastic, length 18 cm</p>
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PLESTER Suction Tube, with grip plate, cut-off hole and stylet, LUER, 20 cm, 5 Fr.

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

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

Suction Cannula, LUER-Lock, working length 6 mm, O.D.: 0.5 mm

Suction Cannula, angular, LUER-Lock, working length 6 cm, O.D. 0.7 mm

WULLSTEIN Adaptor, for suction cannulas with cut-off hole, LUER cone, 10 cm.

Octogonal handle with LUER-cone, straight, length 17 cm

Diamond Burr, cylindrical, diameter 5mm, length 10mm, for Cochlear Implant surgery, with smooth bottom to protect the dura, with straight shaft diameter 2.35mm, length 44mm

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.

<p>LENARZ Retractor, 43 mm x 11 mm, slim and flat blade with integrated suction tube, length 21.5 cm</p> <p>SCHOENBORN Thymus Retractor, length 20.5 cm</p> <p>RANEY Applying and Removing Forceps for scalp haemostasis clips, length 16 cm</p> <p>Needle Holder, tungsten carbide inserts, 15 cm.</p> <p>Dissecting- and Ligature Forceps, straight, smooth jaws, length 9.5 cm</p> <p>FREER Elevator, double-ended, length 20 cm.</p> <p>PLESTER Elevator, 18 cm, 8 mm wide.</p> <p>ALLIS Dissecting Forceps, thoothed, length 20 cm</p> <p>WULLSTEIN Forceps, 15 cm, Dressing</p> <p>Dressing Forceps, length 14.5 cm, delicate size</p> <p>ADSON-BROWN Tissue Forceps, non-traumatic, fine side grasping teeth, length 12 cm</p> <p>Bipolar Coagulating Forceps, insulated, bayonet-shaped, slim shaft, tip 0.5 mm, length 19 cm, for use with bipolar high frequency cord</p> <p>Preparation Plate, glass, 13 cm x 8 cm</p>
<p><b>Accessories:</b>                  Sterilization system complete consisting of                  Container Bottom                  Container Lid                  Wire Basket                  Silicone mat                  Wrapping Drapes                  Identification Labels</p>
<p>Optional (If any):</p>

Clinical Specialty	ENT Department
Generic Name	<b>Mastoidectomy Set</b>

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
<b>TECHNICAL SPECIFICATIONS</b>	
<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> <p>Mastoid Gouge, 14 cm, 7 mm wide</p> <p>Mastoid Gouge, 14 cm, 9 mm wide</p> <p>Mastoid Chisel, 14 cm 3 mm wide</p>	

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, working length 11 cm, 9 Fr.

FERGUSON Suction Tube, with cut-off hole and stylet, LUER, working length 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.

<p>Needle Holder, tungsten carbide inserts, 15 cm.</p> <p>BACKHAUS Towel Forceps, length 11 cm</p> <p>DUPLAY Dressing Forceps, curved, with ratchet, length 21 cm</p> <p>Cup Medicine, stainless steel, 25 cc, 28 mm high, diameter 60 mm</p> <p>Cup Medicine, stainless steel, 60 cc, 33 mm high, diameter 70 mm</p> <p>Cup Medicine, stainless steel, 100 cc, 30 mm high, diameter 80 mm</p>
<p><b>Accessories:</b></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>Identification Labels</p>
<p>Optional (If any):</p>

Clinical Specialty	ENT Department
Generic Name	<b>Micro Laryngeal Instrument</b>
Clinical Purpose	Laryngeal microsurgery is removal of abnormal tissue from the vocal folds (cords) using precision microlaryngeal instruments and/or laser.

<p><b>TECHNICAL SPECIFICATIONS</b></p> <p>(KLEINSASSER) Operating Laryngoscope, for adults, medium, length 17 to 18 cm (most commonly used model)</p> <p>(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>
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BENJAMIN-HAVAS Clip, short, for proximal illumination

Fiber Optic Light Carrier, for distal illumination, working length 14 cm, for use with Laryngoscopes and Diverticulosopes

Fiber Optic Light Carrier, for use with laryngoscopes

Laryngoscope Holder GOETTINGEN Model, with wide angle adjustment

**Consisting of:**

holder with wheel  
support rod

(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 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) 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

<p>length 24 cm</p> <p>(KLEINSASSER) Knife sickle-shaped, curved, pointed, working length 23 cm</p> <p>(KLEINSASSER) Suction Tube, outer diameter 3 mm, working length 23 cm</p>
<p><b>Accessories:</b></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>Identification Labels</p> <p>Optional (If any):</p>

Clinical Specialty	ENT Department
Generic Name	<b>Middle Ear Micro Ear Surgery Set</b>
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.

<p><b>TECHNICAL SPECIFICATIONS</b></p> <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>
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PLESTER Retractor, 2 prongs on left, full blade on right, length 11 cm

WILLIGER Retractor, 4 prongs, sharp, length 13 cm

Surgical Handle, Fig. 3, length 12.5 cm, for Blades

Blade, Fig. 15, non-sterile, package of 100

Blade Fig. 11, non-sterile, package of 100

Blade Fig. 10, non-sterile, package of 100

Scissors, curved, sharp/blunt, length 14.5 cm

ROCHESTER-PEAN Haemostatic Forceps, straight, length 14 cm

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

<p>WULLSTEIN Needle. 16.5 cm, light curve.</p> <p>Pick 90°, 16 cm, 0.4 mm</p> <p>Pick 90°, 16 cm, 0.6 mm</p> <p>Pick 90°, 16 cm, 0.8 mm</p> <p>Pick 90°, 16 cm, 1.0 mm</p>
<p><b>Accessories:</b></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>Identification Labels</p>
<p>Optional (If any):</p>

Clinical Specialty	ENT Department
Generic Name	<b>Middle Ear Surgery Tympanoplasty And Stapedotomy Set</b>
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
<b>TECHNICAL SPECIFICATIONS</b>	
<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>	

Suction and Irrigation Tube, cylindrical, suction tube outer diameter 2.5 mm, irrigation tube outer diameter 2 mm, working length 9.5 cm

Suction and Irrigation Tube, cylindrical, suction tube outer diameter 1.9 mm, irrigation tube outer diameter 1.9 mm, working length 9.5 cm

Surgical Handle, Fig. 3, length 12.5 cm, for Blades

Dual Purpose Scalpel Handle, elevator on one side, scalpel handle no. 7 on the other side, length 16 cm

Double Curette, medium, spoon sizes 1 x 1.8 mm and 2 x 2.8 mm, length 15 Cm

Jeweler Forceps, fine, pointed, soft spring-action, length 11 cm

Tissue Forceps, 1 x 2 teeth, slender, soft spring-action, length 13 cm

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

<p>Scissors, for crurotomy, curved to left, working length 7.5 cm</p> <p>Malleus Nipper, extra delicate, upbiting, width 0.8 mm, working length 8 cm</p> <p>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</p> <p>Wire mash tray for cleaning, sterilization, transport and storage of instruments. Including holeplate walls and fold away handles. External dimensions (w x d x h): 480 x 250 x 60 mm.</p>
<p><b>Accessories:</b> Sterilization system complete consisting of Container Bottom Container Lid Wire Basket Silicone mat Wrapping Drapes Identification Labels</p>
<p>Optional (If any):</p>

Clinical Specialty	ENT Department
Generic Name	<b>Myringotomy Set</b>
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
<b>TECHNICAL SPECIFICATIONS</b>	
<p>Ear Speculum, 3.6 cm, O.D. 5 mm</p> <p>Ear Speculum, 3.6 cm O.D. 6 mm</p>	

Ear Speculum, 3.6 cm O.D. 7.5 mm

Ear Forceps, very fine, serrated, working length 8 cm

Ear Curette, blunt, 14.5 cm size 1

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

Needle. 16.5 cm, light curve.

Pick 90°, 16 cm, 0.8 mm

Adaptor. For suction cannulas with cut-off hole, LUER cone 5.5 cm.

Suction Cannula, straight, LUER- Lock, malleable, 10 cm, O.D. 1.0 mm

Suction Cannula, straight, LUER- Lock, malleable, 10 cm, O.D. 1.3 mm

Suction Cannula, straight, LUER- Lock, malleable, 10 cm, O.D. 1.5 mm

Suction Cannula, straight, LUER- Lock, malleable, 10 cm, O.D. 2.0 mm

Groumet Gun

Instrument Rack for 5 instruments with holder for ear specula, for ventilation tube set, may be used with metal case

Metal Case, perforated, lid detachable, size 20 x 10 x 4 cm

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  
Container Bottom  
Container Lid  
Wire Basket  
Silicone mat

Wrapping Drapes Identification Labels
Optional (If any):

Clinical Specialty	ENT Department
Generic Name	<b>Nasal Bone Fracture Reduction Set</b>
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

Nasal Speculum, with set rack, blade length 40 mm, length 15 cm

Nasal Speculum, with set screw, blade length 40 mm, length 15 cm

Nasal Speculum, 15 cm, with set screw, with adaption for flexible tension arm 723018, 40 mm.

Nasal Dressing Forceps, standard size, working length 11 cm

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

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

Septum Forceps, straight, working length 9 cm

Septum Forceps, straight, working length 11 cm

Elevator double-ended, semisharp and blunt, graduated, length 20 cm

#### **Accessories:**

Sterilization system complete consisting of

Container Bottom

Container Lid

Wire Basket

Silicone mat

Wrapping Drapes

Identification Labels

Optional (If any):

Clinical Specialty	ENT Department
Generic Name	<b>Nasal Endoscope</b>
Clinical Purpose	The nasal endoscope is a medical device consisting of a thin, rigid tube with fiberoptic 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
<b>TECHNICAL SPECIFICATIONS</b>	
<p>Straight Forward Telescope 0°, enlarged view, diameter 4 mm, length 17.5 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 to 18 cm, autoclavable, 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, autoclavable, Fiber optic light transmission incorporated, Color code: black</p> <p>Stright-Oblique Telescope 70°, enlarged view, diameter 4 mm, length 17.5 to 18 cm, autoclavable, Fiber optic</p>	
<p>Accessories: Sterilization and storage Container system complete set for Endoscopes</p>	
Optional (If any):	

Clinical Specialty	ENT Department
Generic Name	<b>Nasal Splint</b>
Clinical Purpose	Nasal septal splint with integral airway. • Provides septal

	support and allows nasal breathing post-operative through integral airway
<b>TECHNICAL SPECIFICATIONS</b>	
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):	

Clinical Specialty	ENT Department
Generic Name	<b>IMAGE GUIDED OPTICAL (NAVIGATION) SYSTEM</b>
Clinical Purpose	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.[4] For use in middle-ear surgery there has been some application of robotic surgery due to the requirement for high-precision actions
<b>TECHNICAL SPECIFICATIONS</b>	

**Navigation System Configuration:**

Navigation Panel Unit (Optical)

**Consisting of:**

- 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 III
- 1x Case Navigation
- 1x Navigation Probe

1x Mains Cord

**Special Features:**

- The system should have only one (1) mobile cart with integrated tracking system
- The system should be portable, light weight and space saving
- The system should have total surgical control in sterile field on a finger tip with a touch screen monitor, stylus pen or a mouse
- 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 (autoclavable)
- ENT Navigation Software and navigated instruments support interventions in paranasal sinuses (FESS and transnasal 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 autoclavable
- The navigated instruments are dedicated for navigation with added fixations for the optical trackers
- The navigation of the instruments do 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, autoclavable, 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):

Clinical Specialty	ENT Department
Generic Name	<b>Neck Dissection Set</b>
Clinical Purpose	The neck dissection is a surgical procedure for control of neck lymph node metastasis. This can be done for clinically or radiologically evident lymph nodes or as part of curative surgery where risk of occult nodal metastasis is deemed sufficiently high
<b>TECHNICAL SPECIFICATIONS</b>	
<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 plattern, 75 mm</p> <p>Laryngectomy Scissors, double-action, length 21.5 cm</p> <p>Suction Tube, with cut-off hole and stylet, LUER, workinge 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, 1x2 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.

<p>STEVENS Scissors, curved, 10.5 cm</p> <p>JOSEPH Scissors, 14 cm, curved.</p> <p>Scissors, delicate, 10 cm, curved</p> <p>Scissors, curved, length 14.5 cm, blunt/sharp</p> <p>Scissors, straight, length 14.5 cm, blunt/sharp</p>
<p><b>Accessories:</b></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>Identification Labels</p>
<p>Optional (If any):</p>

Clinical Specialty	ENT Department
Generic Name	<b>Otoplasty Set</b>
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.

<p><b>TECHNICAL SPECIFICATIONS</b></p>
<p><b><u>Otoplasty Set</u></b></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>

Scissors, curved, length 14.5 cm, blunt/sharp

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

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

Dressing Forceps, length 14.5 cm, medium size

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

STANDARD Cotton Applicator, triangular, serrated, 13 cm,  
Diameter: 1.1 cm

COTTLE Nasal Knife, with rounded edge, 14 cm

FREER Elevator, double-ended, length 20 cm.

FREER JOSEPH Elevator, double-ended, delicate, 20 cm.

FREER Raspatory, curved, width 4 mm, length 18 cm

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.

<p>FERGUSON Suction Tube, with cut-off hole and stylet, LUER, working length 11 cm, 8 Fr.</p> <p>HALSTEAD Mosquito Forceps, 12.5 cm, curved.</p> <p>Dissecting Forceps, without ratchet, 14 cm, straight.</p> <p>ROCHESTER-PEAN Haemostatic Forceps, straight, length 14 cm</p> <p>BACKHAUS Towel Forceps, length 11 cm</p> <p>Needle Holder, tungsten carbide inserts, 13 cm.</p> <p>Bipolar Coagulating Forceps, insulated, tips curved, tips 0.5 mm, length 16 cm, for use with bipolar high frequency cord</p> <p>Bipolar High Frequency Cord length 300 cm</p>
<p><b>Accessories:</b>                  Sterilization system complete consisting of                  Container Bottom                  Container Lid                  Wire Basket                  Silicone mat                  Wrapping Drapes                  Identification Labels</p>
<p>Optional (If any):</p>

Clinical Specialty	ENT Department
Generic Name	<b>Septoplasty Set</b>
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
<b>TECHNICAL SPECIFICATIONS</b>	
Nasal Speculum, for adults, length 13 cm	
Nasal Speculum, blade length 55 mm, length 13 cm	

Nasal Speculum, standard model, blade length 55 mm, length 13.5 cm
Nasal Speculum, standard model, blade length 90 mm, length 13.5 cm
Nasal Speculum, standard model, blade length 75 mm, length 13.5 cm
Nasal Forceps 45° upturned, size 2, working length 11 cm Nasal Dressing Forceps, serrated, working length 10.5 cm
Suction Tube, with cut-off hole and stylet, LUER, 9 Fr., working length 11 cm
Chisel, flat, graduated, straight, width 4 mm, length 18.5 cm
Chisel, flat, graduated, straight, width 7 mm, length 18.5 cm
Needle Holder, tungsten carbide inserts, length 13 cm
Elevator, double-ended, semisharp and blunt, length 20 cm
Suction Tube, with cut-off hole and stylet, LUER, 9 Fr., working length 11 cm
Suction Tube, with cut-off hole and stylet, LUER, 10 Fr., working length 11 cm
Suction Tube, with cut-off hole and stylet, LUER, 12 Fr., working length 11 cm
Suction Tube, with cut-off hole and stylet, LUER, 15 Fr., working length 11 cm
<b>Accessories:</b> Sterilization system complete consisting of Container Bottom and Lid Wire Basket Silicone mat and Wrapping Drapes Identification Labels
Optional (If any):

Clinical Specialty	ENT Department
Generic Name	<b>Septum Surgery Set</b>
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

Nasal Speculum, for adults, length 13 cm

Nasal Speculum, 13 cm, 55 mm.

Nasal Speculum. 13.5 cm, 55 mm.

Nasal Speculum, 13.5 cm, standard pattern, 75 mm

Nasal Speculum, 13.5 cm, standard pattern, 90 mm

Scissors, curved, 10.5 cm.

Scissors, delicate, 10 cm, curved

Scissors, 14 cm, curved.

Scissors, angled, 10 cm.

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

Nasal Forceps, size 3 working length 11 cm, size 3.

Nasal Forceps, straight, working length 9.5 cm

Nasal Scissors, medium standard model, working length 9.5 cm

Nasal Forceps, 45° upturned, working length 11 cm, size 2.

Nasal Dressing Forceps, working length 10.5 cm.

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

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.

<p>Needle Holder, tungsten carbide inserts, 13 cm.</p> <p>Scissors, curved, length 14.5 cm, blunt/sharp</p> <p>Towel Forceps, length 11 cm</p> <p>Nasal Snare, 25 cm.</p> <p>Nasal Snare Wires, for cut and formed, length 10 cm, standard size, diameter 0.3 mm, package of 25.</p> <p>Cup Medicine, stainless steel, 100 cc, 30 mm high, diameter 80 mm</p> <p>Bipolar High Frequency Cord length 300 cm</p>
<p><b>Accessories:</b></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>Identification Labels</p> <p>Optional (If any):</p>

Clinical Specialty	ENT Department
Generic Name	<b>Special Rhinoplasty Set</b>
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

<p><b>TECHNICAL SPECIFICATIONS</b></p> <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>
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Nasal Retractor, with side protector, special matte finish, length 16.5 cm

Elevator, slightly curved, sharp, special matte finish, length 17.5 cm, 4 mm wide

Scissors, angular, delicate, serrated blade, length 9.5 cm.

Suction Tube, with cut-off hole and stylet, special matte finish, 8 Fr., working length 11 cm, O.D. 2.5 mm

Angular Scissors, serrated blades, delicate, working length 6.5 cm.

Cartilage Graft Forceps, with slit, length 15 cm

Needle Holder, tungsten carbide inserts, extra delicate, 15 cm.

Osteotome. With rounded corners and finger grip stabilizer, length 16.5 cm, 12 mm wide

Osteotome. With rounded corners and finger grip stabilizer, length 16.5 cm, 14 mm wide

Osteotome. With rounded corners and finger grip stabilizer, length 16.5 cm, 16 mm wide

Osteotome, flat, with enlarged distal finger grip plate, width 2 mm, length 19 cm

Nasal Rasp, tungsten carbide inserts, 20.5 cm, double-ended, blades size 3-4, coarse and medium.

Nasal Rasp, tungsten carbide inserts, 20.5 cm, double-ended, blades size 5-6, medium.

Nasal Rasp, tungsten carbide inserts, 20.5 cm, double-ended, blades size 7-8, medium and fine.

Rongeur, slender, straight, 15.5 cm

Nasal Hump Forceps, double action, curved blades, length 20 cm.

Septum Morcelizer, double action, straight, special matte finish, length 20 cm

<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><b>Accessories:</b>                  Sterilization system complete consisting of                  Container Bottom                  Container Lid                  Wire Basket                  Silicone mat                  Wrapping Drapes                  Identification Labels</p>
<p>Optional (If any):</p>

Clinical Specialty	ENT Department
Generic Name	<b>SMR Set</b>
Clinical Purpose	A Submucosa 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
<b>TECHNICAL SPECIFICATIONS</b>	

Nasal Speculum, for adults, length 13 cm
Nasal Speculum, 13 cm, 55 mm.
Nasal Speculum, 13.5 cm, standard plattern, 90 mm
Scissors, curved, 10.5 cm.
Nasal Forceps, size 3 working length 11 cm, size 3.
Nasal Scissors, medium standard model, working length 9.5 cm
Nasal Dressing For- cepts, working length 10.5 cm.
Suction Tube, with cut-off hole and stylet, LUER, workinge length 11 cm, 9 Fr.
Lower Lateral Forceps, with set screw, bayonet, 15 cm.
Chisel, flat, graduated, straight, 18.5 cm, 4 mm wide.
Mallet, lenght 18 cm
Suction Elevator with stylet, length 19.5 cm.
Needle Holder, delicate, light- weight, 17 cm.
<b>Accessories:</b> Sterilization system complete consisting of Container Bottom Container Lid Wire Basket Silicone mat Wrapping Drapes Identification Labels
Optional (If any):

Clinical Specialty	ENT Department
Generic Name	<b>CO2 Laser for ENT</b>
Clinical Purpose	The use of lasers in <b>ENT surgery</b> is common practice today.

Thanks to the evolution of laser sources, 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 **CO<sub>2</sub> laser**, particularly appreciated for the high degree of precision in cutting combined with an excellent coagulation effect.

## TECHNICAL SPECIFICATIONS

### CO2 Laser Specification: for ENT, Gynae & Dermatology Surg Special Features

- Microprocessor control
- Novel ,Futuristic design
- Special Line scan function for robotic vocal cord surgery
- Micro scan patterns for laser - assisted stapedial surgery
- Quick Tip Panel for easy and time -saving parameter selection
- Easy-moving beam delivery system with excellent beam characteristics
- Five Program Storage Locations for saving user-defined parameter sets
- safe locking of the articulated (mirror joint)arm in two different positions
- Reliable Beam Guidance with minimal spot sizes and high power densities
- Possibility to select and turn scan patterns directly via the Micro Point micromanipulator
- Micromanipulator Micro point 2 with minimal spot size of 0.11 mm and highest power densities
- Comprehensive range of accessories for numerous medical fields (ENT,gynecology , dermatology etc)
- Versilate , user oriented operating modes such as ultra -short single pluses,superpluse mode and cycle mode.
- Integrated ,programmable "soft scan plus R" scanner for multi- disciplinary use in conjunction

with different handpieces and micromanipulators

**Technical Data MCO 25 Plus**

- **Type Of Laser** 25Plus
  - Wavelength 10.6um infrared
  - Lase Power(applied for Tissue) 2-25 W
  - Co2 Laser Tube Sealed Off
  - DC-Excited
  - **Operating Modes:**
  - Continous-Wave (CW) 2-25 W
  - super pluse 0.3ms:11 W,Average,max, Power
  - single pluse 5ms-10s Output power:10-25 W
  - pluse train minimum Pluse Length ::5ms average output Power:<0.1-25 W
  - Cyclically repeated Pluses Cycle Length :-permanent -10ms-10s
  - **Plus Laser Light** Diode laser continously adjustable
  - 635nm,<5mw light –red
  - **Laser Beam Delivery** Articulated spring arm with 7 joints/mirrors,
  - arm length =1,300 mm, handpeice exchangeable
  - **Focus Diameter** 0.15 mm with a Focal distance of 50 mm (spot size)
  - 0.20 mm with the standard focal distance of 127 mm
  - 0.30 mm with a focal distance of 200 mm
  - **Operator/Control Panel** Blue mode LCD (Liquid Srystal display)
  - with illuminated buttons featuring symbols , keypad sealed , eith integrated scanner functions
  - **Program Memory** 5 freely assignable memory locations (can be used for scanner as well)
  - **Cooling** Internal
  - Power Requirement 230 V /4 V - 50/60 HZ
  - **Protection Class** I
  - Type (Of Applied part) B
  - Laser Class 4
  - **Dimensions** 290x450x1,950 mm
- (Height With articulated arm folded down : 1,180 mm)

<ul style="list-style-type: none"> <li><b>Weight</b> 57 kg</li> <li><b>Laser Unit</b></li> <li>1 77-025-01-21 CO<sup>2</sup> Laser MCO25 Plus with ENT Module 1</li> <li><b>Consisting of:</b></li> <li>2 76-402-00-04 Micromanipulator Micro Point 2R (+Microsw) 1</li> <li>3 76-100-15-04 Focusing Handpiece 200 mm 1</li> <li>4 76-100-25-04 Back Stop for Focusing Handpiece 200 mm 1</li> <li>5 79-100-57-04 Laser Protection Goggles CO<sup>2</sup> Laser 6</li> <li><b>Manual &amp; Standard Accessories are included</b></li> </ul>
<p>Accessories: Sterilization system complete</p>
<p>Optional (If any):</p>

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

Optional (If any):

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

Clinical Specialty	ENT Department
Generic Name	<b>ENT unit combined</b>
Clinical Purpose	The ENT treatment unit with an integrated suction system, ear irrigation module, compressed air system and an innovative LED light module
<b>TECHNICAL SPECIFICATIONS</b>	
<p>ENT unit combined with patient chair and stool allowstheoperatortomanageacompleteandprofessionalactivityforexamination,treatment anddiagnostics</p> <p>The unit shall have solid and mobile case with antistatic castors with brakes</p> <p>The structure coating shall be painted with epoxidy powders/ SS with a transparent gloss layer for protection against external agents.</p>	

**Drawer Module complete with instrument trays:**

2 to 4 Drawers (I O Specify)

**Instrument tablet :**

- Visualization and control of all instruments related to suction or insufflation and of the digital vacuum and pressure systems.

**Suction System:**

- 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.

**Insufflation System:**

- Insufflation with flow regulation system and Pulitzer olive included

**Integrated LED Light Sources:**

- Double neutral LED/ Halogen light sources
- LED/ Halogen light source with automatic switching Light intensity shall be adjustable by touch screen.

**Larynx mirror quick heating:**

**Compressed air system complete with:**

- Air syringe for spray olives
- 2 atomizers:
- 2 bottle holders for medicaments.

**Rinsing system of suction tubes**

- 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 Power Pack and Head band
- Power supply : Li-ion Power Pack

**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.
- -10 to -20°inclination when 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):**

Clinical Specialty	ENT Department
Generic Name	<b>Diagnostic Audiometer</b>
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.
<b>TECHNICAL SPECIFICATIONS</b>	

<p>Diagnostic middle air analyser capable of performing fast and reliable automatic sequences of tympanometry and reflex threshold tests, decay tests, EFT tests and high frequency tympanometry. Tympanometry sturdy probe,.</p> <p><b>Measurement System:</b> Probe tone: 226Hz at 85 dB SPL Manual pump control</p> <p><b>Tympanometry</b> Manual and Automatic Tympanometry</p> <p><b>Acoustic Reflex</b> Stimulations: Ipsi and Contralateral Stimuli: 500, 1k, 2k, 3k, 4k, , (C) Hz, Available tests: Auto threshold, Fixed intensity, Growing intensity, Manual test, Reflex decay. Acoustic tympanometry Software for patient management and examinations result, included</p>
<p>Accessories: Sterilization and storage system complete</p>
<p>Optional (If any):</p>

Clinical Specialty	ENT Department
Generic Name	<b>Tympanometry</b>
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.
<b>TECHNICAL SPECIFICATIONS</b>	
<p>Diagnostic middle air analyser capable of performing fast and reliable automatic sequences of tympanometry and reflex threshold tests, decay tests, EFT tests and high frequency tympanometry. Tympanometry sturdy probe,.</p> <p><b>Measurement System:</b> Probe tone: 226Hz at 85 dB SPL Manual pump control</p> <p><b>Tympanometry</b></p>	

<p>Manual and Automatic Tympanometry</p> <p><b>Acoustic Reflex</b>                  Stimulations: Ipsi and Contralateral                  Stimuli: 500, 1k, 2k, 3k, 4k, , (C) Hz, Available tests: Auto threshold, Fixed intensity, Growing intensity, Manual test, Reflex decay.                  Acoustic tympanometry                  Software for patient management and examinations result, included</p>
<p>Accessories:</p>
<p>Optional (If any):</p>

Clinical Specialty	ENT Department
Generic Name	<b>Otoacoustic Emission system</b>
Clinical Purpose	OAE or Otoacoustic emission testing is the recording of sounds that the ear produces itself

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

Clinical Specialty	ENT Department
Generic Name	<b>Auditory Evoked Potential system</b>
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**

A system for auditory evoked potentials and neuro-otology designed to give audiologists and ENT a complete series of audiological tests having following features:

Portable system for multiple offices.

Availability of trace comparison function for automatically calculating and displaying latencies difference.

Threshold protocol for evaluating patient's hearing threshold in a short time coupleable with automatic pass/refer function.

Software program that allows the direct transfer of data from measuring instrument to the computer.

**Acquisition**

- Number of channels: 2
- Acquisition mode: 16 bit ADC

**ELECTRODE IMPEDANCE**

Built-in meter for each channel, monitoring single electrode (Z+ and

Z-) and differential impedance.

**Standard Accessories**

- 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
- 15 V external power supply for medical equipment
- Power cord set, universal. GND cable
- USB port: built-in - USB cable provided
- Carrying case

**Optional**

Shall provide easy execution of VEMP (Vestibular Evoked Myogenic Potential ) tests

Software program shall calculate the relationship SP/AP for ECoG (ElectroCochleography)

Optional (If any):

Clinical Specialty	ENT Department
Generic Name	<b>General Surgery Set for ENT</b>
Clinical Purpose	ENT surgeons diagnose and treat conditions of the ears, nose, throat, head and neck, and undertake some cosmetic procedures

**TECHNICAL SPECIFICATIONS**

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

Clinical Specialty	ENT Department
Generic Name	<b>Mastoid Drill System</b>
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. Their removal becomes necessary if they are diseased or if a cholesteatoma, an infected skin cyst in the middle ear and mastoid, is present.
<b>TECHNICAL SPECIFICATIONS</b>	
<p>MICRO SURGICAL HIGH SPEED DRILL 40,000 to 100,000rpm  <b>Consisting Of:</b></p> <p>Control Unit with Touch Screen  High Speed Electronic Micro Motor 40000 rpm or better with Cable  Single / double Foot Control including connecting cable  Standard Irrigation set  <b>INTRA DRILL HANDPIECES:</b>  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):	

Clinical Specialty	ENT Department
Generic Name	<b>TONSILLECTOMY INSTRUMENTS SET</b>
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
<b>TECHNICAL SPECIFICATIONS</b>	
<p>SCALPEL HANDLE #3 WITH MEASURE 125MM  SCALPEL HANDLE #4 135MM</p>	

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  
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
<b>Accessories:</b> Sterilization system complete consisting of Container Bottom Container Lid Wire Basket Silicone mat Wrapping Drapes Identification Labels
Optional (If any):

Clinical Specialty	ENT Department
Generic Name	<b>VIDEO OTOSCOPE SYSTEM</b>
Clinical Purpose	video-otoscope is a small endoscope connected to a digital camera for examining the outer ear and eardrum
<b>TECHNICAL SPECIFICATIONS</b>	
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):	

Clinical Specialty	ENT Department
Generic Name	<b>STORBOSCOPE</b>
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
<b>TECHNICAL SPECIFICATIONS</b>	

<p>Motion Frequency:- 0 to 2.5 Hz                  Phase Shift:- 0 to 360 or better                  Triggable frequency:- up to 1400 Hz or Less                  Light source LED / Xenon                  Telescope 70 and 90 degree 18cm                  Foot Padel</p>
<p>Accessories:                  Sterilization and storage system complete</p>
<p>Optional (If any):</p>

Clinical Specialty	ENT Department
Generic Name	<b>Patient Nerve Monitor</b>
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
<b>TECHNICAL SPECIFICATIONS</b>	
Facial Nerve Monitor Recurrent Laryngial Narve Specialize Endotrehceal Tube	
<p>Accessories:                  Sterilization and storage system complete</p>	
<p>Optional (If any):</p>	