

Contents

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S. No.	PARTICULARS	QUANTITY REQUIRED (APPROX)
1.	Advance Operating Microscope with Integrated Full HD (1080P) Camera for Cochlear Implant Surgery	3
2.	FESS INSTRUMENT SET	5(set)
3.	OTOSCOPE	15

Item No -1Advance Operating Microscope with Integrated Full HD (1080P) Camera for Cochlear Implant Surgery	
Quantity- 3(approx.)	
1	Microscope should be FDA/ European CE approved".
2	Apo chromatic optics with five step magnification changer.
3	Magnification range Should be Between 3.4 X to 21.25X,but without any magnification booster".
4	Objective lens with fine focusing knob & Objective working distance F=250mm, to 400mm.
5	Pair of high eye point wide field push-in eyepieces 10 X/12.5 X magnification with magnetic lock.
6	Diopter setting from -8D to +5D, also suitable for spectacles wearers.
7	Straight binocular tube with 170 MM Focal length.
8	Sealed instrument paneling.
9	Swivel Coupling with brakes.
10	Mobile, easy-to-move floor stand with 4 lockable casters.
11	Asepsis accessory for e.g. sterilizable handgrips, drapes, rubber caps.
12	1 KVA On Line UPS.
13	<u>Illumination</u>
14	LED illumination.
15	Integrated cold light fiber illumination.
16	Brightness adjustment knob close to the physician.
17	Inclination switch turns on the illumination in the working position and turns it off in the standby position.
18	Camera
19	Fully Integrated HD video camera (Full HD resolution 1080p).
20	Integrated routing of cables.

Item No -1 Advance Operating Microscope with Integrated Full HD (1080P) Camera for Cochlear Implant Surgery	
Quantity- 3(approx.)	
21	Live streaming for videos and USB port to attach Pen drives and full HD 1080pi video for parallel live streaming and recording simultaneously.
22	Complete with HDMI-DVI video cable for connection to an HD monitor.
23	Full HD Recorder (Medical Grade) & 32" Full HD Monitor.
24	Assistant / teaching scope with straight tube

ITEM NO. 2

Specifications of sets of Instruments with Accessories for function endoscopic sinns surgery (FESS)

A) Set of instruments

1. Suction tube for maxillary sinus – three(curved Non tranmatic end no. 2,3 ,4 sizes)
2. Septum forceps with ring shaped jaws – two
3. Nasal scissors straight for endoscopy sinus Surgery – four
4. Nasal scissors - angled right & angled left for E.S.S - two each
5. Sickle knife pointed & round for F.E.S.S - six each
6. Punch forceps for maxillary sinus 60 degree and 90 degree upwards –four each
7. Punch forceps for maxillary sinus straight cutting - four
8. Punch forceps for maxillary sinus, retrograde cutting - four
9. Ethmoidal forceps, 45 degree, upwards, size 2 - four
10. Ethmoidal forceps, straight , size 1&2 - four each
11. Ethmoidal forceps, upward cutting, 90 degree size 2 - four
12. Double spoon forceps 70 degree upwards - horizontal opening - four
13. Double spoon forceps 70 degree upwards - vertical opening - four
14. Double spoon forceps 110 degree upwards - horizontal opening - four
15. Exchangeable sheath for each telescope, 18 cm, for seven telescopes - one each
16. Ostum punch retrograde forceps – two
- 17) Trucut forceps straight -1
- 18) Trucut forceps 90 degree upward -1
- 19) Trucut forceps 90 degree down ward -1
- 20) Bleskesley forceps straight -1

Annexure A

- 21) Bleskesley forceps 90 degree upward-1
- 22) Bleskesley forceps 90 degree downward-1
- 23) Bleskesley long forceps 90 degree upward-1
- 24) Bleskesley long forceps 120 degree upward-1
- 25) Bleskesley long forceps 45 degree upward-1
- 26) Suction elevator -2
- 27) Insulated suction -2
- 28) Semi suction set for nasal surgery – (No. 1-5)- 2 sets
- 29) DCR Punch straight -1 mm
- 30) DCR Punch straight -2 mm
- 31) DCR Punch Curved – 1 mm
- 32) DCR Punch Curved – 2 mm
- 33) DCR probe -1 set
- 34) Punctal dilator- 1 set
- 35) DCR scissor straight – 1
- 36) DCR scissor upward – 1
- 37) Mashroom punch -1
- 38) Double ended elevator by cottle - two
39. Nasal grasping forceps for E.S.S - one
40. Ostium probe - one
41. Mini curette for F. E.S.S -one
- 42 Biopsy forceps for nasopharynx -two
- 43 Irrigation & aspiration tube –two
- 44 Circular punch for sphenoid sinus (straight & angled) - Two each

B) Bipolar High frequency generator :

- 1) Bipolar high frequency generator (220 to 240 volts)
50 to 60 Hz - one
- 2) High frequency cable for generating above - Two
- 3) Bipolar bayonet shaped tweezer - four
- 4) Semi rigid coagulation probe - two
- 5) Semi rigid high frequency electrode – two

C)Micro drill with long burrs:

1) Intra nasal drill for optic nerve decompression with micro-motor unit with hand piece & Sleeting handle - One each two each

2) Different burr points for intra-nasal drill for use with above) - two each

a) (Ball end 2.5 mm;3mm;)

b) Round & cutting & diamond -4 each

D)Microdebriber with different blades – straight and Angled with all accessories complete set

Should be ISO 13485 and USFDA/European CE

ITEM NO. 3

Specifications of Otoscope

1)should be provided with a halogen light source/LED

2)should be able to detach the otoscope head

3)should provide no reflections & obstructions

4)should have in built rechargeable battery, recharge should be possible with direct mains supply.

5)All size speculums pediatric to adult 2 sets reusable.

6)Facility and accessories for sieglization

7)**Additional spares : 2 numbers halogen spares bulbs (In case of LED model, spare Bulb not required)**

8)Should be ISO 13485 and USFDA/European CE