

I SURGICAL OPERATING MICROSCOPE

Sl. No	Specifications	Number	Remarks
1	<p>Operating Microscope with camera and monitor system</p> <p>Maximum -intensity 75,000</p> <p>Brightness- Continuously Variable</p> <p>Filters – Built in Heat Absorbing Filter and UV, GREEN & BLUE</p> <p>Filters with Switchable Facility</p> <p>Light- Transmission By fibre Optic cable</p> <p>Light Source- Twin outlet 15V/150W Halogen Lamp Reflector</p> <p>Illumination-Standard 6 Illumination coupled with(-) 2</p> <p>Illumination for bright Red Reflex</p> <p><u>Attachments:</u></p> <p>Coaxial scopes</p> <p>X/y- coordinate arm</p> <p>Video and camera adapter</p> <p>USES(STAINING POSTS): ENT, multidisciplinary</p> <p>POWER NEEDED,VAC(ENERGY) : 220, optical 110</p> <p>Watts(GENERATOR) : 200</p> <p>FLOOR STAND</p> <p>WEIGHT kg (lb) (DISPLAY): 51(112)</p> <p>Height,cm(in) (FLOORSTAND): 147(58)</p> <p>LIGHTING: Fiberoptic-</p> <p>ILLUMINATION SOURCE : Halogen</p> <p>Back-up (FLOOR STAND) : Yes</p> <p>FILTERS Cobalt blue, green</p> <p>Filters, other (FLOORSTAND): Neutral Density</p> <p>Field diameter,mm (FLOORSTAND) 50</p> <p>MICROSCOPE CONTROLS :All manual except power for focus</p> <p>Range,mm 40</p> <p>Number of steps (MICROSCOPE): 5</p> <p>Type (CONFIGURATION): Straight or inclined 45°</p> <p>Focussing method (MICROSCOPE): Power</p> <p>Eyepiece power (MICROSCOPE): 12.5x</p> <p>Total range (MICROSCOPE): 4x,6x,10x,16x,25x</p> <p>Speed,mm/sec (MICROSCOPE): 1.5 (power)</p> <p>Focal length, mm (DIMENSIONS (HXWDX), MAIN)</p> <p>From 175 up to 400,175,200,300,400</p> <p>Interpupillary distance, mm (MICROSCOPE): 48 to 78</p> <p>Fov diameter, mm (MICROSCOPE) varies with focal length</p> <p>OTHER SPECIFICATIONS (AIR SUPPLY) : Many options ;</p> <p>Inami optics</p>	1	

1. Knobs 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 841. 842. 843. 844. 845. 846. 847. 848. 849. 850. 851. 852. 853. 854. 855. 856. 857. 858. 859. 860. 861. 862. 863. 864. 865. 866. 867. 868. 869. 870. 871. 872. 873. 874. 875. 876. 877. 878. 879. 880. 881. 882. 883. 884. 885. 886. 887. 888. 889. 890. 891. 892. 893. 894. 895. 896. 897. 898. 899. 900. 901. 902. 903. 904. 905. 906. 907. 908. 909. 910. 911. 912. 913. 914. 915. 916. 917. 918. 919. 920. 921. 922. 923. 924. 925. 926. 927. 928. 929. 930. 931. 932. 933. 934. 935. 936. 937. 938. 939. 940. 941. 942. 943. 944. 945. 946. 947. 948. 949. 950. 951. 952. 953. 954. 955. 956. 957. 958. 959. 960. 961. 962. 963. 964. 965. 966. 967. 968. 969. 970. 971. 972. 973. 974. 975. 976. 977. 978. 979. 980. 981. 982. 983. 984. 985. 986. 987. 988. 989. 990. 991. 992. 993. 994. 995. 996. 997. 998. 999. 1000.

SURGICAL ELECTROCAUTERY

Sl. No	Specifications	Number	Remarks
2	<p>TECHNICAL SPECIFICATIONS (110-120 V) OUTPUT WAVEFORMS <u>BIPOLAR</u> Precise : 470 khz sinusoid Standard: 470 khz sinusoid Macro: 470 khz sinusoid <u>Monopolar cut</u></p> <ul style="list-style-type: none"> Low : 390 kHz sinusoid . Similar to Pure cut mode except the maximum voltage is limited to a lower value Pure : 390 kHz sinusoid Blend : 390 kHz burst of sinusoid, recurring at 27 kHz intervals. 50 % duty cycle envelope <p><u>Monopolar Coag</u></p> <ul style="list-style-type: none"> Desiccate : 240 kHz sinusoid repeated at 39 kHz 8% duty cycle Fulgurate : 390 kHz damped sinusoidal burst with a repetition frequency of 30 or 57 kHz into 500 ohms Spray : 390 kHz damped sinusoidal burst with a randomised repetition centred at 28 kHz. Frequency includes 21 kHz < f < 35 kHz. Output is further modulated by a random 250 Hz envelope with a variable duty cycle. <p>Output power changes by less than 15 % or 5 watts, whichever is greater as the line voltage varies from 104-132 volts and 208-264 volts (at rated load). LOW FREQUENCY LEAKAGE(50-60 Hz) Source current , patient leads , all outputs tied together.</p> <ul style="list-style-type: none"> Normal polarity , intake chassis ground : < 10 μ A Normal polarity ground open < 50 μ A Reverse polarity , ground open < 50 μ A Sinks current 140 V applied all inputs < 50 μ A <p>PER = 98 PER(power efficiency rating) is the measure of an electro surgical generators ability to accurately deliver the selected power into a wide range of tissue type. Weight and dimensions</p> <ul style="list-style-type: none"> Height: 11.1 cm(4.3 / 8 inches) Width : 35.6 cm(14 inches) Length: 43.9 cm (17 inches) Weight : < 8.1 kg (< 18 lbs) <p>Input power requirements Operating range is 85 to 132 AC Volts. maximum currents is 7 Amp in Cut and 4 amperes in Coag. High frequency leakage</p> <ul style="list-style-type: none"> Bipolar < 60 m Amp_{rms} 	1	

1. *Carburetor* 2. *Swatch* 3. *Officer* 4. *Hy*

5. *Shyer* 6. *Sm*

- Monopolar < 150 mAmp_{rms}

REMTM contact quality monitoring system:

- Measurement frequency: 80 kHz +/- 10 kHz
- Measurement current <10 micro Amp
- Acceptable resistance range : REMTM pad -5-135 ohms
Non-REMTM pad-less than 24 ohms
- Acceptable range is 5-135 ohms after REM Polyhesive II return electrode is applied.
- Adaptive REMTM
REMTM trip is baseline impedance plus 40%. For example if the baseline impedance is 30 ohms , the upper level trip is approximately 42 ohms .If the pad-patient impedance falls below baseline impedance a new baseline is established.

Meets UL and Cul specifications

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ADULT RIGID BRONCHOSCOPE SET

Sl. No	Specifications	Qty	Number	Remarks
1	HOPKINS Straight Forward Telescope 0°, diameter 4.5mm length 50 cm, autoclavable. Fiber optic light transmission incorporated, color code: green	2	1	
2	Bronchoscope Tube Universal, without distal fiber optic light carrier, size 8.5, outer diameter 11.2 mm, inner diameter 10.5 mm, length 43 cm, for use with proximally insertable Prismatic Light Deflector 10101 FA, Plugs 10314 BM/BN and FLUVOG Adaptor 10314 P	2		
3	Bronchoscope Tube Universal, without distal fiber optic light carrier, size 7.5, outer diameter 10.2 mm, inner diameter 9.5 mm, length 43 cm, for use with proximally insertable Prismatic Light Deflector 10101 FA, Plugs 10314 BM/BN and FLUVOG Adaptor 10314 P	2		
4	Bronchoscope Tube Universal, without distal fiber optic light carrier, size 6.5, outer diameter 9.2 mm, inner diameter 8.5 mm, length 43 cm, for use with proximally insertable Prismatic Light Deflector 10101 FA, Plugs 10314 BM/BN and FLUVOG Adaptor 10314 P	2		
5	Prismatic Light Deflector, autoclavable, with connection for fiber optic light cable	2		
6	Sealing Cap with window for use with: KARL STORZ Bronchoscopes and Tracheoscopes	2		
7	Sealing Cap with rubber seal for use with: KARL STORZ Bronchoscopes and Tracheoscopes	2		
8	FLUVOG Adaptor with sliding glass window plug, sealing cap, notched lens and keyhole opening, movable, for use with Full Lumen Tracheoscopes and Bronchoscopes 10318 E-GR	2		
9	Injection Cannula, for positive pressure assisted ventilation system, LUER-Lock, outer diameter 3.5 mm, for use with Bronchoscope Models 10318, 10319, 10339, 10341 and Tracheoscope Models 10336, 10337	2		
10	Tube Guide, for Bronchoscope 10318 series	2		
11	Adaptor, for respirator	2		
12	Plug for Ventilation Attachment of Bronchoscopes	2		
13	Forceps, alligator, for hard foreign bodies, double-action jaws, sheath diameter 2.5 mm, working length 50 cm	2		
14	Forceps, pointed, serrated, for coins and flat foreign bodies, double-action jaws, sheath diameter 2.5 mm, working length 50 cm	2		
15	Forceps, for peanuts and soft foreign bodies,	2		

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	double-action jaws, jaw width 7 mm, sheath diameter 2.5 mm, working length 50 cm			
16	Forceps, with round cupped jaws, for biopsy, jaw diameter 5 mm, double-action jaws, sheath diameter 2.5 mm, working length 50 cm	2		
17	Forceps, with round cupped jaws, for biopsy, malleable, jaw diameter 4 mm, double-action jaws, sheath diameter 2.5 mm, working length 50 cm	2		
18	Forceps, with oval cupped jaws, fenestrated, for biopsy and foreign bodies, double-action jaws, jaw width 5 mm, sheath diameter 2.5 mm, working length 50 cm	2		
19	Forceps with cupped jaws, retrograde, for biopsy, double-action jaws, jaw width 6.5 mm, sheath diameter 2.5 mm, working length 50 cm	2		
20	Forceps, universal, for biopsy and foreign bodies, double action jaw jaw width 4 mm, sheath diameter 2.5 mm, working length 50 cm	2		
21	HUZLY Tampon Applicator, double-action jaws sheath diameter 2.5 mm, working length 50 cm	2		
22	Suction tube for bronchoscopy O.D 2.5 mm working length 50 cm	2		

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RIGID PAEDIATRIC BRONCHOSCOPE SET

Sl. No	Instrument description	Qty	Number	Remarks
1	HOPKINS Straight Forward Telescope 0°, diameter 2.9 mm working length 36 cm, auto- clivable. Fiber optic light transmission incorporated. Color code: green	2	1	
2	DOESEL-HUZLY Bronchoscope, length 30 cm, size 6	2		
3	DOESEL-HUZLY Bronchoscope, length 30 cm, size 4.5	2		
4	DOESEL-HUZLY Bronchoscope, length 30 cm, size 3.5	2		
5	DOESEL-HUZLY Bronchoscope, length 26 cm, size 3	2		
6	Optical Alligator Forceps for Pediatric Broncho-Esophagoscopes, for use with telescope 10324 AA, forced controlled handle for removal of hard foreign bodies	2		
7	Optical Forceps, with spring- action handle for controlled removal of peanuts and soft foreign bodies, for use with Telescope 10324 AA	2		
8	Optical Forceps, for use with HOPKINS telescope 10324 A, for biopsy	2		
9	Optical Pediatric Scissors, for use with telescope 10324 A and Broncho-Esophagoscopes, length 30, 26 and 20 cm, sizes 6-3.5	2		
10	Optical Forceps for use with telescope 10324 A, Universal, biopsy and grasping	2		
11	Optical Coin Forceps for Pediatric Broncho-Esophagoscopes, 2x2 teeth, for use with telescope 10324 AA, forced controlled handle for removal of coins and flat foreign bodies	2		
12	Rubber Telescope Guide for use with telescopes or optical forceps	2		
13	FLUVOG Adaptor with sliding glass window plug, sealing cap, notched lens and keyhole opening, moveable.	2		
14	Guiding Piece, short, for suction catheter for children and suckling bronchoscope	2		
15	Adaptor, for respirator	2		
16	Plug for Ventilation Attachment of Bronchoscopes	2		
17	Injection Cannula for possitive pressure assisted ventilation system, O.D. 2.7 mm, for use with bronchoscopes 10339 E/EE/F and tracheoscopes 10337 E/F, with LUR-lock female fitting	2		
18	STRUNZ Optical Suction Tube, outer diameter 2.5 mm for use with HOPKINS Straight Forward Telescope 10324 AA and Bronchoscope 10339 A/B/BB/C/CD/G	2		

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SUCTION APPARATUS

Sl. No	Specifications		Number	Remarks
6	<p>PRODUCT DESCRIPTION</p> <p>High performance 1/5 horse power pumps delivers 0-26mm Hg(0-660 mmHg)</p> <p>Protection: dual protection system with float shut – off in the canister lid and inline Hydrophobic Filter to prevent back flow of fluid as well as airborne contaminants from entering the pump.</p> <p>High durability:Features a protective canister bracket that holds the canister and protect the guage and adjustment knob from accidents.</p> <p>Convenient: Features a Velco™ strap that allows you to wrap the power cord for improved portability.</p> <p>Extra strength premium suction feet safety and securely attach the unit to most surfaces, preventing spillage.</p> <p>Safe: Automatic resetting thermal limit switch prevents the unit from overheating.</p> <p>SPECIFICATION</p> <p>Dimensions:</p> <ul style="list-style-type: none"> Length :13.25”(33.7 cm) Width :8” (20.3 cm) Height :9.75”(24.8 cm) Weight: 12.6 lbs (5.7 kg) Shipping weight:14.5 lbs(6.6 kg) Motor : 120 VAC , 60 Hz, 5 amps Vaccum Range :0-26in Hg Horsepower:1/5 Operating temp. range:50°F to 104°F (10 to 40° C) Storage conditions : Temp:- -4 to 104°F(-20 to 40° C) Humidity : Max 95% non condensing <p>Dimensions:</p> <ul style="list-style-type: none"> Length :13.25”(33.7 cm) Width :8” (20.3 cm) Height :9.75”(24.8 cm) Weight: 12.6 lbs (5.7 kg) Shipping weight:14.5 lbs(6.6 kg) Motor : 120 VAC , 60 Hz, 5 amps Vaccum Range :0-26in Hg Horsepower:1/5 Operating temp. range:50°F to 104°F (10 to 40° C) Storage conditions : Temp:- -4 to 104°F(-20 to 40° C) Humidity : Max 95% non condensing <p>Suction tip and rubber pipes</p> <p>- Suction handle, with cut off hole, LUER cone, length 10</p>		1	

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	<p>cm, for use with suction tubes 204005-204025, 204305-204330</p> <ul style="list-style-type: none"> -PLESTER suction tubes, with grip plate, cut off hole and stylet, LUER, 5 Fr, Length 20 cm - PLESTER suction tubes, with grip plate, cut off hole and stylet, LUER, 7 Fr, Length 20 cm - PLESTER suction tubes, with grip plate, cut off hole and stylet, LUER, 9 Fr, Length 20 cm -Suction tube, angular, LUER-lock, outer diameter 0.7mm, working length 6cm - Suction tube, angular, LUER-lock, outer diameter 1mm, working length 6cm - Suction tube, angular, LUER-lock, outer diameter 1.3mm, working length 6cm - Suction tube, angular, LUER-lock, outer diameter 1.5mm, working length 6cm • - Suction tube, angular, LUER-lock, outer diameter 2mm, working length 6cm 			
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1. Endings 2. scissors

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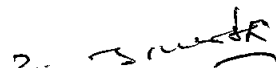
II LED O.T. LIGHT

Ceiling suspended- Dual Head LED O.T. Light

Specification:- (Approximate figures) Maximum

Illumination at 1 m Working Distance	160.000Lx
Dimensions of Light Head	7000mmx700mm
Colour Temperature	5000k(=Neutral Sun Light)
Colour Rendering Index	96
Focusable Light field in 1m Working distance	250mm- 380mm
Illumination Depth	1530mm (830/700)
Dimming range	10-100
Temperature increase near Surgeons Head & Operating Field	No temperature increase
Unsterile Control Options-Touch Panel	No IR- or UV Light
	On/Off/Satndby/Endo Light/Small to large Light Fight Adjustment /Dimming
Sterile control options Via Touch less sensor	Large Light Field 50%70%100%
	Large Light Field 10%30%50%
	Small Light Field 50%70%100%
	Small Light Field 10%30%50%
	Endo Light-Green
	Standby/ on /off
Lifetime of LEDs	>40.000h
Power Supply	220-240V or 110-120V
Supply Voltage at Light Head	24V/DC
Protecting Class	Class I
Protecting Class (supporting System)	IP 30
Protecting Class Light Housing	IP42
Power Consumption per Light Housing	Max. 260W
Frequency	50Hz-60Hz

*Cost of the LED Bulb and other spare parts to be provided.
With suitable online UPS

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III MICRODEBRIDER SET

Sl. No	Specifications	Qty	Number	Remarks
7	Unidrive ECO set, motor control unit with 2 motor connectors and integrated irrigation pump, power supply: 100-120/230-240 VAC , 50/60 Hz consists of :20711420 Unidrive ECO 400A power cord 20711640 silicone tubing set sterilizable 20711621 clip set, sterilizable 20016630 double pedal footswitch	1	1	
	Stammberger – Castlenuvo Drill cut X shaver handpiece , for use with unidrive ECO/ENT/NEURO/OMFS	1		
	Suction shaver blade with integrated irrigation for Drill Cut-X handpiece straight , sterilizable , double ,serrated cutting edge, rectangular cutting window, diameter 4 mm, length 12 cm	1		
	Suction shaver blade with integrated irrigation for Drill Cut-X handpiece straight ,sterilizable, double, concave cutting edge, oval cutting window, diameter 4 mm, length 12 cm colour code: blue green, for use with Drill- X handpiece	1		
	Shaver blade with integrated irrigation for Drill Cut-X handpiece curved 65 degree ,sterilizable, cutting edged serrated forwards,double serrated, rectangular cutting window, diameter 4 mm, length 12 cm colour code: blue yellow, for use with Drill- X handpieces	1		
	Suction shaver blade with integrated irrigation for Drill Cut-X handpiece curved 40 degree, sterilizable, cutting edged serrated backwards ,double serrated, rectangular cutting window, diameter 4 mm, length 12 cm colour code: blue yellow, for use with Drill- X handpieces	1		

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ADULT RIGID OESOPHAGOSCOPE SET

Sl. No	Specifications	Qty	Number	Remarks
1	HOPKINS Straight Forward Telescope 0-degree, diameter 5.5 mm, length 53 cm, autoclavable. Fibre optic light transmission incorporated. Colour code: green	1	1	
2	Esophagoscope Tube, size 11, outer diameter 12 mm, for use with fibreoptic light transmission 12016 EM, working length 50 cm	1		
3	Esophagoscope Tube, size 12 outer diameter 13 mm, for use with fibreoptic light transmission 12016 FM, working length 50 cm	1		
4	Tube-insert, with instrument channel and anti-fog-device, for use with oesophagoscope tube 12016 E/F and straight forward telescope 12015 AA	1		
5	Tube-insert, with injection needle and cap 12016 EN, for use with oesophagoscope tube 12016 E/F and straight forward telescope 12015 AA	1		
6	Optical forceps, for peanuts, big and soft foreign bodies, double-action jaws, working length 55 cm.	1		
7	Optical forceps, with round cupped jaws, for biopsy, double action jaws, cupped diameter 4.3 mm, working length 55 cm.	1		
8	Optical forceps, alligator, for hard foreign bodies with large jaws, double-action jaws, working length 55 cm.	1		
9	Optical forceps, universal, for biopsy, removal foreign bodies and denatured tissue, double-action jaws, working length 55 cm.	1		
10	Plug with rubber seal, for 12016G	1		
11	Forceps, flexible, for biopsy, single-action jaws, jaw width 3.2 mm, working length 61 cm	1		
12	Injection needle, flexible	1		
13	Suction catheter, 9 Fr., length 60 cm, with adaptor 10479 D	1		
14	Coagulation Cannula for suction, flexible, insulated, outer diameter 3 mm, working length 68 cm	1		
15	Rubber insufflation bulb, with LUER-lock connector, consisting of: 40924 B Rubber bulb 40924 S Rubber tube	1		

1. Enabling 2. Sample



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PEDIATRIC RIGID OESOPHAGOSCOPE

Sl. No	Specifications	Qty	Number	Remarks
1	Esophagoscope Tube, length 30 cm, size 6	1	1	
2	Esophagoscope Tube, length 30 cm, size 5	1		
3	Esophagoscope Tube, size 4, outer diameter 6.7 mm, inner diameter 6.2 mm, length 30 cm	1		
4	Esophagoscope Tube, length 18,5 cm, size 3.5	1		
5	Esophagoscope Tube, length 18,5 cm, size 3	1		
6	Prismatic Light Deflector, autoclavable, with connection for fiber optic light cable	1		
7	Rubber Telescope Guide for use with telescopes or optical forceps	1		
8	Adjustable Magnifier, swing-away type, with ring adaption, autoclavable	1		
9	HOPKINS Straight Forward Tele- scope 0°, diameter 2.9 mm, working length 36 cm, auto-clavable. Fiber optic light transmission incorporated. Color code: green	1		
10	Optical Coin Forceps for Pediatric Broncho- Esophagoscopes, 2 x 2 teeth, for use with telescope 10324 AA, forced controlled handle for removal of coins and flat foreign bodies	1		
11	Optical Forceps, with spring- action handle for controlled removal of peanuts and soft foreign bodies, for use with Telescope 10324 AA	1		
12	Optical Alligator Forceps for Pediatric Broncho- Esophagoscopes, for use with telescope 10324 AA, forced controlled handle for removal of hard foreign bodies	1		
13	Forceps, for peanuts and soft foreign bodies, double-action jaws, sheath diameter 1.5 mm, working length 35 cm	1		
14	Forceps alligator, for hard foreign bodies, double action jaws, sheath diameter 1.5 mm, working length 35 cm	1		
15	Forceps, universal, for biopsy and foreign bodies, double action jaws, sheath diameter: 1.5 mm, working length 35 cm	1		
16	Forceps, whit round cupped cupped jaws, for biopsy, double-action jaws, cupped diameter 3 mm, sheath diameter 1.5 mm, working length 35 cm	1		
17	Rigid Suction Tube, with rubber tip, straight, outer diameter 02 mm, working length 35 cm	1		
18	Cotton Carrier, working length 35 cm	1		

1. Khadim, 2. as nurse

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XI INSTRUMENTS FOR COCHLEAR IMPLANT SURGERY SET

1	MICRODRILL	UNIDRIVE ENT Micromotor system Max. rotations 40000/min, 230-240 VAC, 50/60 Hz, dimension: 305x164x263, wt. 6.1 kg	1
2	HANDPIECE	Hand piece Kavo Straight: 10.4 cm, transmission 1:1(40000rpm) Angulated: 45-degree	1 each
3	BURRS	Cutting burrs: size (Diameter) – 8 mm, 10 mm, 18 mm, 35 mm, 40 mm, Length: 7 cm Diamond burrs: size (Diameter) – 8 mm, 10 mm, 18 mm, 35 mm, 40 mm, Length: 7 cm	3 pieces for each size
4	MICRO-EAR INSTRUMENTS	Micro aural forceps upwards	2
		Micro aural forceps serrated 2mm micro pipe straight	2
		Wullstein needle straight	2
		Wullstein needle slightly curved	2
		Micro aural cup forceps straight	2
		Micro aural cup forceps upwards	2
		Micro aural cup forceps 2mm micro pipe straight	2
		Micro aural polypus forceps	2
		Micro aural scissor fine straight	2
		Micro aural scissor fine upwards	2
		Mastoid suction tube no-1,2,3,4	2 each
		Vorhoven suction tube no-12, 14, 16, 18	2 each
		Vorhoven suction tube holder	2
		Plesters first incision knife	2
		Sickle knife	2
		Circular cutting knife 60 degree	2
		Circular cutting knife 90 degree	2
		Micro aural curette straight	2
		Fenestra hook straight 90 degree angle	2
		Rosen elevator for lifting drum	2
		Wullstein straight needle sharp and blunt	2
		Rosen curette	2
		Rosen curette curved straight shaft	2
		Lake seeker	2
		Grommet holding forceps	2
		Grommet tube inserter	1
		House Deiter malleus punch forcep	2
		House Deiter malleus nippers	2
		Tilley aural forceps	2
		Lempert mastoid curette	2
		Farabeuf elevator curved	2
		Micro aural polypus forceps	2
		Beales Raspatory	2

1. Gidding. 2. Sawast.

Dr. Shyue

Dr. Han

Dr. Han

	Myringotomy knife	1
	House curette double ended	2
	Hartman aural forceps, assorted sizes	2 each
	Jansen chisel	2
	Jansen osteotome	2
	Jenkins gouge	2
	Houses graft press forceps	2
	Hartman ear speculum (set of 4)	1 set
	Aural speculum Shea	1 set
	Micro pick 45 degree angled	2
	Micro pick 90 degree angled	2

1. Kibbing 1 2.3 meter



S. Shyke





II VIDEO NYSTAGMOGRAPHY MACHINE

Sl. No	Specifications	Number	Remarks
12	<p>Technical Standards: Camera : IEEE 1394 FireWire Resolution: 640 x 480 pixels Images : 105 images per second binocular , 174 images per second monocular Safety Standards: IEC 60601-1(General Safety), IEC 60601-1-1(systemic Safety),IEC 60601-1-2(EMC) Physical Specifications: Goggle Weight:</p> <ul style="list-style-type: none">• 240g(non- occluded view)• 320g(occluded view)with two cameras• 305g(non occluded view)• 385g(occluded view) Dispensing box with 24 pcs of disposable goggle foams pads <p>302 x216x131mm(L xWx H) With one camera Tests</p> <ul style="list-style-type: none">• Bithermal caloric Test/ Monothermal caloric Test• Spontaneous Nystagmus Test• Positional test• Dix Hallpike Test• Gaze Test• Smooth Pursuit Test(tracking)• Saccade Test• Optokinetic Test• Sinusoidal Pendular test(only with rotary chair)• Step Rotation Test(only with rotary chair) <p>SYSTEM REQUIREMENTS: Hardware:</p> <ul style="list-style-type: none">• Intel core 2 Duo processor 1.8 GHz or better• Minimum 1 GB of RAM• Laptop PC: one 34 mm PCExpressCard slot available• Desktop PC : Texas Instruments chipset PCI FireWire board <p>With dual 6-pM ports</p> <ul style="list-style-type: none">• Two USB ports available• One VGA port available• Monitor resolution 1024 x 768 or better <p>Software:</p> <ul style="list-style-type: none">• Windows 7 (32 bit or 64 bit), Windows XP SP2• Windows Vista Business SP1	1	

1. Challenging, 2. smooth

Dr. Singh

Dr. Leo

Dr. Singh

	<ul style="list-style-type: none"> • Windows Vista Ultimate operating system • Microsoft Net 2.0 Framework • Window Installer 3 x • Included parts : Installation CD • Combi goggle with 1 or 2 cameras • Disposables combi goggle foam pads -1 box /24 pieces • H .34 mm Fire wire PCExpress Card with power Supply • Otoaccess TM database software and Otoaccess TM Language pack 1.0 • Operation manual • VNG Quick Guide • Multi lingual CE instruction <p>Optional Parts:</p> <ul style="list-style-type: none"> • Rotary chair • Irrigator ,water or air • Additional foam for combi mask • LCD projector • Flat panel LCD TV • Stand for flat panel LCD TV • USB Foot pedal • 			
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1. Knobbing 2. 7 months

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