**الموضوع: المواصفات الفنية لأجهزةالتنظير**

**Technical Specifications for *Endoscopy TowerQty (1)***

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| --- | --- | --- |
| **No.** | **Technical Specifications** | **Min KAUH Requirement** |
| 1 | Manufacturer | Please specify manufacturer and country of origin |
| 2 | Model Number | Please specify model number of the offered equipment |
| 3 | Safety Standard | FDA approval or CE marking |
| 4 | Light Source | * Separate or built in controller. * Automatic light illumination adjustment mode. * One step connector for the scopes. * Air supply pump: HI/MID/LOW/OFF. * Multi LED technology / or equivalent 300W xenon light. * Light source go to standby mode automatically if nobody use the system. * LED maximum Light output not less than 1400Im & Automatic Light control signal. * The Lamp Life time not less than 10,000 Hours for multi LED / 500 hours for xenon. * Lamp Life time not less than 8-9 Years or more for LED. |
| 5 | Video Processor | * Compact Design. * Dual Mode. * Freeze Mode. * Control keyboard. * Video output: DVI , RGB. * The system must have special light observation modes (Pre- processing technique NOT Post –processing) for early tumors detection, mode for screening and detection and mode for characterization. * HD (Resolution 1920X1080px) & DVI (Resolution 1280X1024px). * Full HD Resolution. * USB flash memory port, internal memory not less than 4GB. * DICOM compatible. * Doctor and patient database. |
| 6 | Monitor | * Medical grade not less than 24". * Brightness and contrast control. |
| 7 | Leakage Tester | Qty (4) |
| 8 | Endoscopy trolley | * Original Mobile on 4 anti static wheels with brake. * Minimum of 4 fixed shelves. * Power box MK plugs: to be mentioned. * Maximum load capacity: to be mentioned. |
| 9 | Main Power | 220 - 240 VAC , 50 Hz |

**Un code :**42296404

**الموضوع: المواصفات الفنية لأجهزة التنظير**

**Technical Specifications for *Video colon scopeQty (2)***

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| **No.** | **Technical Specifications** | **Min KAUH Requirement** |
| 1 | Manufacturer | Please specify manufacturer and country of origin |
| 2 | Model Number | Please specify model number of the offered equipment |
| 3 | Safety standard | FDA approval or CE marking |
| 4 | Camera | * Leading edge, Full HD-Mega Pixel. |
| 5 | Field of view (degree) | * 170° min. |
| 6 | Focusing depth (mm) | * 2mm up to 100 mm (Colse Focus ) |
| 7 | Tip deflection (degree) | * Up - 180° +- 10° * Down - 180° +- 10° * Right - 160° +- 10°. * Left - 160° +- 10°. |
| 8 | Distal diameter (mm) | * 12.0 mm to 12.8mm. |
| 9 | Insertion tube diameter | * 12.0mm to12.8mm. |
| 10 | Working length | * 1100mm. |
| 11 | Total length | * To be mentioned. |
| 12 | Working channel diameter | * 3.8 mm min. |
| 13 | Air-water-suction valves | * Sterilizable. |
| 14 | Scope head | * Contains 3-functions control switches min. |
| 15 | Brushes | * Included for all channels. |
| 16 | Compatibility | * Must be compatible with the existing high end endoscopy systems at our hospital. |

**Un code : 42296317**

**الموضوع: المواصفات الفنية لأجهزة التنظير**

**Technical Specifications for *Video Gastro scope QTY (2)***

|  |  |  |
| --- | --- | --- |
| **No.** | **Technical Specifications** | **Min KAUH Requirement** |
| 1 | Manufacturer | Please specify manufacturer and country of origin |
| 2 | Model Number | Please specify model number of the offered equipment |
| 3 | Safety standard | FDA approval or CE marking |
| 4 | Camera | * Leading edge, Full HD-Mega Pixel. |
| 5 | Field of view (degree) | * 140° min. |
| 6 | Focusing depth (mm) | * 2 - 100 mm (Close focus). |
| 7 | Tip deflection (degree) | * Up - 210° +- 10°. * Down - 90° +- 10°. * Right - 100° +- 10°. * Left - 100° +- 10°. |
| 8 | Distal diameter (mm) | * 9.2mm. |
| 9 | Insertion tube diameter | * 9.3mm. |
| 10 | Working length | * 1100mm. |
| 11 | Total length | * To be mentioned. |
| 12 | Working channel diameter | * 2.8mm. |
| 13 | Air-water-suction valves | * Sterilizable. |
| 14 | Scope head | * Contains 3-functions control switches min. |
| 15 | Brushes | * Included for all channels. |
| 16 | Compatibility | * Must be compatible with the existing high end endoscopy systems at our hospital. |

**Un code : 42296317**

**الموضوع: المواصفات الفنية لأجهزة التنظير**

**Technical Specifications for *Therapeutic Gastro scope Qty (1)***

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| --- | --- | --- |
| **No.** | **Technical Specifications** | **Min KAUH Requirement** |
| 1 | Manufacturer | Please specify manufacturer and country of origin |
| 2 | Model Number | Please specify model number of the offered equipment |
| 3 | Safety standard | FDA approval or CE marking |
| 4 | Camera | * Leading edge, Full HD-Mega Pixel. |
| 5 | Field of view (degree) | * 140° min. |
| 6 | Focusing depth (mm) | * 2mm up to 100 mm (Close focus). |
| 7 | Tip deflection (degree) | * Up - 210° +- 10°. * Down - 90° +- 10°. * Right - 100° +- 10°. * Left - 100° +- 10°. |
| 8 | Distal diameter (mm) | * 10.5mm. |
| 9 | Insertion tube diameter | * 10.8mm. |
| 10 | Working length | * 1100mm. |
| 11 | Total length | * To be mentioned. |
| 12 | Working channel diameter | * 3.8mm min . |
| 13 | Air-water-suction valves | * Sterilizable. |
| 14 | Scope head | * Contains 3-functions control switches min. |
| 15 | Brushes | * Included for all channels. |
| 16 | Compatibility | * Must be compatible with the existing high end endoscopy systems at our hospital. |

**Un code : 42296317**

**الموضوع: المواصفات الفنية لأجهزة التنظير**

**Technical Specifications for *ERCP Qty (1)***

|  |  |  |
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| **No.** | **Technical Specifications** | **Min KAUH Requirement** |
| 1 | Manufacturer | Please specify manufacturer and country of origin |
| 2 | Model Number | Please specify model number of the offered equipment |
| 3 | Safety standard | FDA approval or CE marking |
| 4 | Camera | * Leading edge, Full HD-preferable. |
| 5 | Field of view (degree) | * 100° min. |
| 6 | Focusing depth (mm) | * 40-60 mm. |
| 7 | Tip deflection (degree) | * Up - 130° +- 10° * Down - 90° +- 10° * Right - 110° +- 10°. * Left - 90° +- 10°. |
| 8 | Distal diameter (mm) | * 13.1mm. |
| 9 | Insertion tube diameter | * 11.5mm. |
| 10 | Working length | * 600mm. |
| 11 | Total length | * To be mentioned. |
| 12 | Working channel diameter | * 4.2 mm. |
| 13 | Scope head | * Contains 2-functions control switches min. |
| 14 | Brushes | * Included for all channels. |
| 15 | Compatibility | * Must be compatible with the existing high end endoscopy systems at our hospital. |

Un code : 42296317