**الموضوع: المواصفات الفنية لأجهزةالتنظير**

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

|  |  |  |
| --- | --- | --- |
| **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)***

|  |  |  |
| --- | --- | --- |
| **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)***

|  |  |  |
| --- | --- | --- |
| **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)***

|  |  |  |
| --- | --- | --- |
| **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