

SPECIFICATION OF ULTRASONIC CUTTING AND COAGULATING DEVICE FOR OPEN & LAPAROSCOPIC SURGERY

- It should have an ultrasonic generator with a frequency of 55.5 kHz, capable of incising tissue and providing haemostasis with minimal thermal injury. It should have Electrical and Mechanical fault indicator.
- It should have vessel sealing capacity upto 3- 5mm.
- It should have instruments for both open and laparoscopy surgeries
- The generator should be compatible with the following types of shears.
 1. 5 mm Curved Coagulating Shears, 360° rotatable, capable of sealing blood vessels up to 5mm diameter, with integrated bilateral hand control to enable precise operation of system by hand.
 2. Should have combination hook and blade in a single probe for open surgery.
- The generator should have facility to connect two double pedal foot switches.
- It should have the facility of rotating hand switch adapter with integrated bilateral switches to enable precise operation of system by hand for hooks and blades.
- Coagulating shears must have inbuilt hand activation button.
- It should not have auto switch-off mechanism.
- It should have system diagnostics and trouble shooting guide to pinpoint and resolve alert/alarm conditions.
- The equipment should have the installation of 30 units in Government Institutions.
- The equipment should be CE/FDA approved.
- It should comprise of

Hardware:

- 1 Generator
- 2 Footswitch & Cable

Accessories:

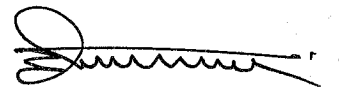
- 1 Handpiece (Transducer)
- 2 Handpiece (Blue)
- 3 5mm Blade system Adaptor
- 4 Hand switching adaptor
- 5 Generator Cart

Open Surgery Instruments:

- 1 9cm shaft, curved, tapered tip for precise dissection, seals 5 mm vessels, as well as lymphatic with 16 mm active blade & 240-degree activation, triggers support multiple hand positions.
- 2 5mm Hand Activated Curved Coagulating Shears capable of sealing blood vessels upto 5mm in diameter, 23-30 cm shaft length, ergonomic handle.
- 3 15-18cm shaft hand activated straight coagulating shears capable of sealing blood vessel upto 5mm.
- 4 Curved Blade having telescoping shaft (10cm-14cm) with integrated hand activation control buttons.
- 5 Dissecting Hook having telescoping shaft (10cm-14cm) with integrated hand activation control buttons.
- 6 Combination Hook Blade, 10cm long.

Laparoscopic Surgery Instruments:

1. 5mm Lap Dissecting Hook, shielded 32-34 cm long.
5mm Lap Hand Activated Curved Coagulating Shears capable of sealing blood vessels upto 3-5mm in diameter, 36 cm shaft length, ergonomic handle.



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2