Vesalius MCN PLUS is a state of the art Monopolar and Bipolar device, purposely developed for a wide type of operations. It finds its best application in procedures of Neurosurgery, Skull base and Spine Surgery.

**CHARACTERISTICS**

The CUT function, by using the QMR technology, induces breakage of molecular bonds while the temperature of the tissues minimally increases. As a consequence, this function produces precise cold cutting and causes low lateral heat, producing a minimal destruction of the tissue that surrounds the operation area, allowing for an extremely delicate incision.

Activating the COAGULATION function, the MCN PLUS produces waveforms off-resonance in such a way as to only raise slightly the temperature. As a consequence, instead of collapsing the vessels and necrotizing the area as the standard electro/radiosurgical units do, the effect of coagulation is obtained by triggering the denaturation process of the fibrinogen to form fibrin. The temperature of the target tissue increases more than when using the CUT function, but still remaining at modest level.
ADVANTAGES:
- Reduced necrotic tissue and thermal damage (2)
- Precise, undamaged histological examinations
- Less post operative pain (1)
- Reduced duration of surgery (5)
- No irrigation required

ADVANTAGES FOR NEURO & SPINE SURGERY:
- Cut and coagulation occur with modest temperatures (2,3,4)
- Safe (2)
- Bipolar and Monopolar output
- Wide range of disposable electrodes
- Single use and re-usable non-stick Bipolar forceps
- Concurrent coagulation and tissue dissection (5)

TECHNICAL FEATURES:
- Quatized high frequency spectrum for Monopolar and Bipolar output functions
- Two microprocessors checking the system and the safety circuits
- Auto-test at every start
- Device provided of high insulation (floating) Class 1 type CF
- In respect of the Directives 93/42/EEC and s.a.a. (2007/47/EC) (CE0051)
- In respect of International Standards IEC EN 60601-1(III edition); 60601-1-2; 60601-2-2

Max power CUT
- MONO 120W/300Ω
- BIPO 120W/100Ω

Max power BLEND
- MONO 120W/400Ω
- BIPO 130W/100Ω

Max power COAG
- MONO 100W/300Ω
- BIPO 70W/100Ω

REFERENCE LIST