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Essential

Designed for Neurosurgery

Advantages

-) No irrigation required
-) Low working temperature
-) No carbonization of tissues
-) 5 coagulation modes
-) No thermal diffusion on the tissue
-) Very effective coagulation in liquid/blood pools

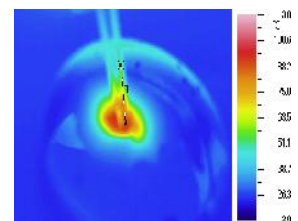
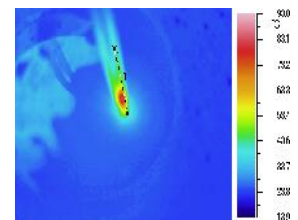
Low Thermal Spread and Non-Sticking Forceps

Forceps using Vesalius Quantum Molecular Resonance (QMR) Technology

A special combination of high frequencies that allows for cutting and coagulation due to a resonance effect on tissue. QMR deploys a particular waveform generating energy with a sufficient value to break up molecular bonds without increasing kinetic (heat) energy.

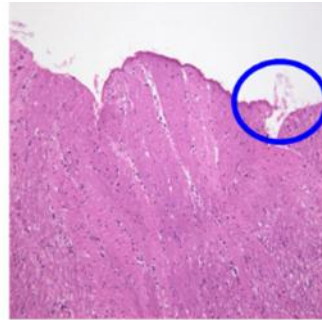
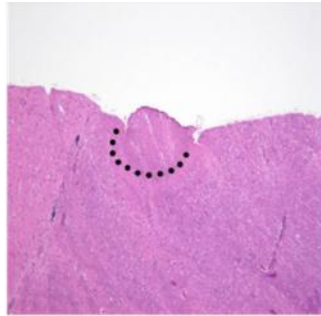
Standard ESUs and Forceps without QMR

Standard ESUs use higher levels of energy causing an increase in thermal temperature. Due to this increased heat, forceps have to be adapted with cooling technology, irrigation, and other more expensive technologies which greatly increases the cost of accessories.

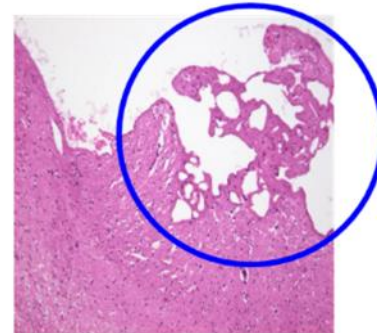
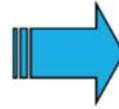
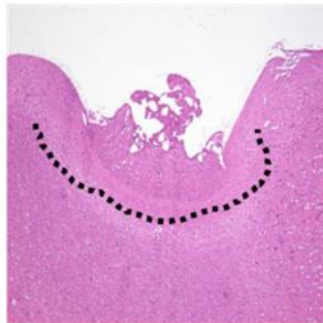


The QMR Effect

QMR ESU



Standard ESU



QMR technology allows a surgeon to cut and coagulate soft tissues at a temperature lower than 50 °C, resulting in very little damage to surrounding structures and tissues, less blood loss through coagulation, and minimize scarring and post op recovery time for the patient.

For more information contact your NSII
Sale Representative

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Indications for Use:

The Vesalius Essential Electrosurgical Unit (ESU) generator and accessories are intended for resection, ablation and coagulation of soft tissues and haemostasis of blood vessels in surgical procedures in orthopaedic, arthroscopic, neurosurgery, ENT and spinal procedures.

