

Distribtued By:



Quantum

Designed for ENT (Sleep Apnea and Neck Surgery)



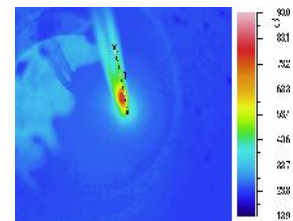
Advantages

-) Reduced duration of surgery¹
-) Decreased intra-operative blood loss
-) Concurrent coagulation & tissue dissection
-) No necrotic tissue or thermal damage²
-) Accurate and Precise pinpoint surgery
-) Safe to perform Coagulation near sensitive structures (e.g. nerves)
-) Less post-op pain and rapid recovery time

Low Thermal Spread and Non-Sticking Forceps

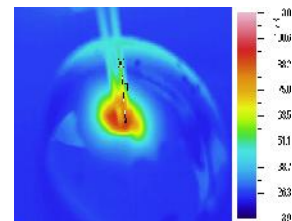
Forceps using Vesalius Quantum Molecular Resonance (QMR) Technology

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

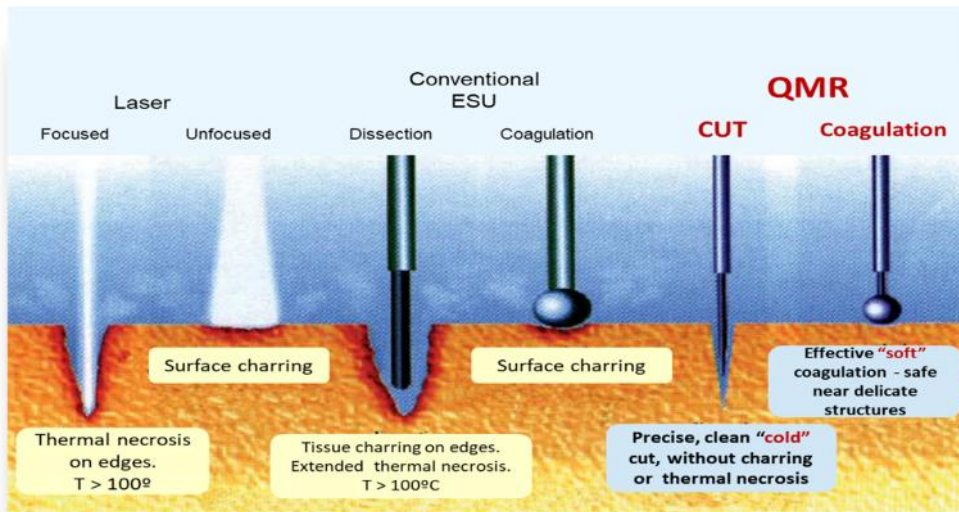
Standard ESUs use higher levels of energy causing an increase in thermal temperature. Due to this increased heat, forceps have to be adapted with cooling technology, irrigation, and other more expensive technologies which greatly increases the cost of accessories.



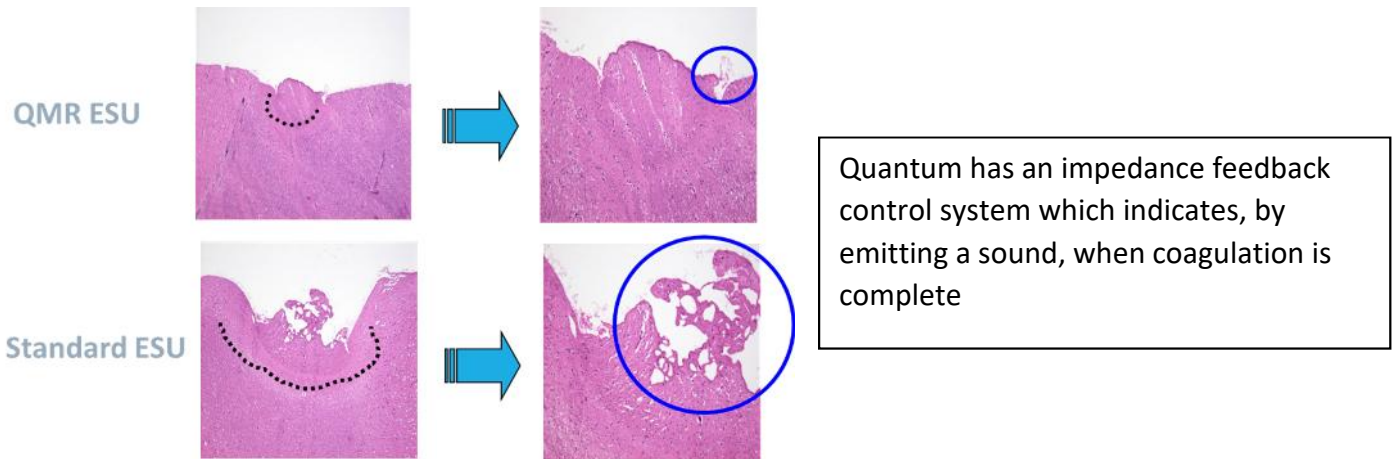
1 Schiavon M., Calabrese T., Nicotra S., et al: Favorable Tissue Effesct of Quantum Molecular Resonance Device (Vesalius) Compared with Standard Electrocautery Eur Surg Res 2007; 39:222-228

2 Tarantino V., D'Agostino R., Melagrana A., et al. Safety or electronic molecular resonance of adenoidectomy. Int J Ped Otorhiolaryngol 2004;68:1519-1523.

Technology Comparison



The QMR Effect



For more information contact your NSII
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Indications for Use:

The Vesalius Quantum 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.

