Surgeons Demo Advanced Bipolar Energy Technology For Tissue Sealing

To address surgeons' need for achieving strong vessel seals while remaining gentle on tissue in open surgery, Ethicon Endo-Surgery, Inc. (EES) today announces the launch of its innovative ENSEAL® G2 Super Jaw advanced bipolar technology. The new technology is designed with proprietary I-BLADE® technology to deliver high uniform compression for sealing vessels consistently along the length of the 40mm curved jaw. Other bipolar devices rely solely on the force of initial jaw closure to provide compression – which results in a fall-off in force from the proximal to the distal end of the jaws and may lead to bleeding at the tip of the jaw. ENSEAL® G2 Super Jaw is designed for open surgical procedures such as colorectal, gynecological and general surgery.

"Surgeons need to be able to control heat and have effective seal compression from their advance energy devices while at the same time respecting the tissue," said Dr. Clyde Neal Ellis[1], FACS FASCRS FACG, Professor of Surgery, Temple University and Director

West Penn Allegheny Health System Division of Colorectal Surgery. "Until the ENSEAL® G2 Super Jaw, this was not possible with large jaw energy devices. Surgeons now have a technology that is strong on providing consistent compression through the seal and is gentle on tissue. There is no longer a need to compromise."

ENSEAL® G2 Super Jaw is gentle on tissue because it is designed to control temperature at the device-tissue interface. A polymer compound within the jaw uses Positive Temperature Coefficient (PTC) technology to modulate energy flow. It maintains a constant temperature of approximately 100 degrees Celsius, minimizing tissue sticking, charring and smoke. In addition, ENSEAL® G2 Super Jaw's offset electrode design focuses and contains energy within the jaws and minimizes thermal spread to approximately 1mm. Other bipolar devices do not have the PTC and offset electrode technologies for minimizing energy spread into surrounding tissue.

More information, visit www.ethiconendosurgery.com [1]

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[1] http://www.ethiconendosurgery.com/