



# Johnson & Johnson COVID-19 Vaccinations Resume Following CDC and FDA Decision

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## PRODUCTS & OPERATING COMPANY

# Ethicon Endo-Surgery Launches ENSEAL® G2 Super Jaw First Bipolar Advanced Energy Technology Designed To Improve Surgeon Confidence In Tissue Affect

First Advanced Bipolar Energy Innovation That Offers Surgeons Strong Seals, While Remaining Gentle on Tissue

Cincinnati, OH – (June 15, 2011)– 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 with a proprietary PTC 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.

### About Ethicon Endo-Surgery Advanced Energy

Ethicon Endo-Surgery is a leader in advanced energy solutions and offers the broadest portfolio of ultrasonic energy devices using HARMONIC® technology and advanced bipolar energy devices using ENSEAL® technology.

Save kontroliuojantis el. koagaliatorius - bipoliaras palaiko audinių temperatūrą neviršijant 100 °C; 10-tas reikalavimas

HARMONIC® ultrasonic devices combine precision and multifunctionality: With a jaw and blade uniquely designed for precise dissection, sealing and transection, one device enables surgeons to perform multiple jobs without instrument exchanges.

ENSEAL® advanced bipolar devices are strong on sealing, yet gentle on tissue. With complete and strong seals, the I-BLADE® delivers uniform compression across the entire length of the jaw and seal strength that withstands up to seven times normal systolic pressure[2].

### **About Ethicon Endo-Surgery**

Ethicon Endo-Surgery develops and markets advanced medical devices for minimally invasive and open surgical procedures, focusing on procedure-enabling devices for the interventional diagnosis and treatment of conditions in general and bariatric surgery, as well as gastrointestinal health, gynecology and surgical oncology. More information can be found at [www.ethiconendosurgery.com](http://www.ethiconendosurgery.com).

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[1] Dr. Ellis is a consultant for Ethicon Endo-Surgery

[2] Tested in porcine carotid arteries. Normal systolic = 120mm Hg. Data on file.

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