

US Medical Innovations, LLC Announces the First Worldwide Clinical Application of the Canady Vieira Hybrid Plasma Scalpel

TAKOMA PARK, Md.--([BUSINESS WIRE](#) [1])--US Medical Innovations, LLC (a subsidiary of US Patent Innovations, LLC) announces the first clinical applications of the Canady Vieira Hybrid Plasma Scalpel. On December 9, 2011 the FDA issued a 510K premarket notification of the Canady Vieira Hybrid Plasma Scalpel. The Canady Vieira Hybrid Plasma Scalpel was recently used by two surgeons in numerous procedures at Providence Hospital in Washington, DC. The Canady Vieira Hybrid Plasma Scalpel is a multi-functional smart technology hybrid plasma scalpel that cuts and coagulates biologic tissue simultaneously via a new advanced electrosurgery technology called "Hybrid Plasma Technology." The electrosurgical scalpel also incorporates energy modes historically found in traditional high frequency electrosurgical instruments: cut, coagulation and argon plasma coagulation.

Surgical oncologist Robert L. DeWitty Jr., M.D. performed a total mastectomy at Providence Hospital, Washington, D.C. with the Canady Vieira Hybrid Plasma Scalpel on March 8, 2012. The procedure, normally lasting around one hour, took 32 minutes with virtually no blood loss. "There was no need to administer epinephrine," said Dr. DeWitty, referring to the drug that is used to control bleeding. The Canady Vieira Hybrid Plasma Scalpel cut the tissue and sealed the blood vessels as it cuts eliminating the need for both a traditional scalpel blade or separate cauterizing tool. The revolutionary tool also "sealed the lymph system so that there was no need for drains in the patient following surgery," said Dr. DeWitty. The result: less surgery time and a much more comfortable postoperative period for the patient. Because the Canady Vieira Hybrid Plasma Scalpel design team included a surgeon, no special training is required. "The Canady Vieira Hybrid Plasma Scalpel felt just like a traditional stainless steel scalpel blade," said Dr. DeWitty. "Its one of the best inventions I have ever seen or used in surgery during my 40-year career."

Craig Thomas, M.D., an orthopedic surgeon and Director of Orthopedics at Providence Hospital, Washington D.C., performed twenty-two orthopedic procedures with the Canady Vieira Hybrid Plasma Scalpel during March 1 - March 21, 2012, including hip and knee arthroplasties with total hip and knee replacements as well as revisions of hip and knee with replacements. "The Canady Vieira Hybrid Plasma Scalpel is superior to the current electrosurgery products on the market," said Dr. Thomas. "Not only did it coagulate a specific area, but with its plasma beam, the Canady Vieira Hybrid Plasma Scalpel could 'spray' a larger area to coagulate a general area, which is needed in direct anterior hip replacements and knee replacements to stop oozing of the synovium."

Thomas also stated "When energized, the Canady Vieira Hybrid Plasma Scalpel cuts through skin, muscle and fascia while simultaneously coagulating, thereby reducing cellular damage. The significant reduction in blood loss limits the need for

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expensive blood transfusions and reduces swelling, rehabilitation times and ultimately hospital stay duration." The Canady Vieira Hybrid Plasma Scalpel Technology was co-developed by the research scientific plasma and surgical teams from US Patent Innovations, LLC and WEM Equipamentos, Ribeirão Preto, São Paulo, Brazil. Co-inventors of the Hybrid Plasma Technology are Jerome Canady, M.D., Edson Vieira, Nicholas Vieira and Kimberly Wiley, M.D.

About US Medical Innovations. LLC. US Medical Innovations LLC, a subsidiary of US Patent Innovations, LLC, is headquartered in Takoma Park, MD, with its Southeast Distribution Center in Lakeland, FL. The Company is led by Jerome Canady, M.D., Yale University and University of Pittsburgh Medical Center trained transplant and hepatobiliary surgeon. The parent company, US Patent Innovations, LLC, is a private biomedical technology, research and development company organized in Wilmington, Delaware. It focuses on developing advanced, innovative, high quality biomedical devices using plasma technology. The Canady Vieira Hybrid Plasma Scalpel, electrosurgical generators, plasma coagulators and accessories will be sold and distributed through USMI.

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