

Abstract Submitted
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Analysis of Plasma Based Tissue Removal versus Standard Electrosurgery ARLEN WARD, Covidien Energy-based Devices, IL GYO KOO, MYEONG YEOL CHOI, GEORGE COLLINS, Colorado State University — This study compared and contrasted biological tissue removal via plasma chemistry compared and contrasted with standard electrosurgery. With high speed image capture of the tissue division, the mechanism differences between the two methods are evident. While standard electrosurgery removes tissues with thermal vaporization during arc events, the plasma application modifies the tissue structure during plasma exposure. The thermal damage zones in the remaining tissue are also compared between techniques.

Arlen Ward
Covidien Energy-based Devices

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