

## Breast cancer cryoablation: Understanding the FROST trial

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As breast cancer screening has evolved resulting in earlier detection of breast cancer which is implicitly smaller in size so has there been a trend in management of breast cancer towards less invasive techniques. The FROST trial (Freezing Instead of Resection of Small Breast Tumors) examines the use of cryoablation therapy as an alternative to surgical resection of primary early stage invasive breast cancer. We briefly describe the ultrasound guided cryoablation technique and the cryoablation algorithm used for breast carcinoma. We describe the FROST trial study design in detail: Primary and secondary objectives, inclusion/exclusion criteria and follow-up strategy. Representative FROST cases will be shared demonstrating examples of patients that have participated in the trial and their follow-up to date (However, no overall preliminary data will be shared at this time.) This discussion presents the FROST trial which has been designed

to investigate cryoablation as a non-surgical minimally invasive alternative for treating early stage invasive breast cancer. Cryoablation is a promising therapeutic option for treating breast carcinoma. Knowledge of the FROST trial is important for understanding which subset of patients may qualify for this management option in the future.

### Speaker Biography

Michael J Plaza is Board Certified by the American Board of Radiology in Diagnostic Radiology. He completed his residency in Radiology at the University of Miami/Jackson Memorial Hospital and a fellowship in Breast Imaging at Memorial Sloan-Kettering Cancer Center. He has multiple published peer reviewed articles and is currently working at the Diagnostic Center for Women in Miami, FL. He is the Director of MRI at the Diagnostic Center for Women and leads the cryoablation and clinical research programs.

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