

A New Era in Prostate Cancer Treatment

C. Joseph Bennett, Jr. M.D.

For decades, external beam radiation therapy has been an option for treating prostate cancer. Now, for the first time ever, doctors at the Robert Boissoneault Oncology Institute have a way to monitor the tumor location during treatment. Dr. Timothy Brant and Dr. Joseph Bennett have added the Calypso 4D Localization System, referred to as GPS for the Body, in their Lecanto Facility, located in the Allen Ridge Medical Mall. This technology enables the doctors to focus the delivery of radiation to the tumor while minimizing damage to the healthy surrounding tissues with precision that has not been seen to date.

This technology will advance the treatment of prostate cancer well beyond any other treatment available. Your organs naturally move during radiation treatment and your doctor cannot predict which way or how much your organs will move. When your organs move during radiation treatments the tumor may not get the right amount of radiation. Other nearby organs may receive radiation that is not meant for them during the radiation treatment. Fortunately, the Calypso 4D Localization System, and tiny implanted Beacon electromagnetic transponders can help your doctor know when your prostate is not aligned with the radiation beam during treatment.

Three tiny Beacon electromagnetic transponders are implanted into your prostate in an outpatient procedure, similar to a biopsy, done right in their office. Each transponder is about as small as a grain of rice. The Calypso system then excites and communicates with the Beacon electromagnetic transponders located in the prostate, using safe radiofrequency waves. Your prostate is carefully monitored during the entire course of your treatment. The Calypso System shows exactly where the tumor and the prostate is all the time during your radiation treatment so that the doctor and therapist can make quick, important decisions about your care.

If you have prostate cancer, radiation therapy is one of the most popular and successful methods utilized to treat this disease. If you choose to proceed with radiation therapy, as thousands of men do each year for prostate cancer, there are some important things you should know. Accuracy of treatment is critical for success, and the Calypso 4D Localization System, currently installed and in use at the Robert Boissoneault Oncology Institute, brings the treatment of prostate cancer to a new level of accuracy.