Calypso System for Prostate Cancer Treatment

**Calypso 4D Localization System**
Cleveland Clinic is the only Ohio cancer program to offer the Calypso® 4D Localization System for treating prostate cancer. This unique radiation targeting technology, developed with the help of our radiation oncologists and urologists, works like a GPS system. It determines the exact position and movement of the prostate during radiation therapy treatment – optimizing radiation targeting and minimizing side effects.

**Why Organ Motion During Radiation Therapy Matters**
Your organs move naturally during therapy and the prostate occasionally moves outside of the intended radiation field during treatment. Since your doctor can’t predict which way – or how much – your organs will move, the tumor may not get the right amount of radiation. In addition, other nearby tissue and organs may receive radiation they shouldn’t receive.

The Calypso System offered at Taussig Cancer Institute, one of the nation’s top cancer centers, uses radiofrequency waves that allow very accurate alignment of your prostate before each treatment session. This technology now makes it possible to determine the position of the prostate at all times during treatment delivery and make adjustments, as needed, to optimize external beam treatment delivery.

**Advantages**
Calypso allows your doctor to know exactly where the tumor is at all times. This means your radiation therapy is more precise – making sure all the necessary radiation gets to your tumor and minimizing side effects, such as impotence, incontinence and rectal bleeding. Currently, no other real-time method for precisely tracking tumor location during radiation therapy exists.

Cleveland Clinic is ranked one of America’s best in cancer care by *U.S. News & World Report*, including our top rankings in urology, digestive disorders and neurology. To meet with one of our Taussig Cancer Institute physicians and learn if the Calypso 4D Localization System is right for you, call 866.246.5937 or visit us online at clevelandclinic.org/calypso.

**How it Works**

1. Three tiny Beacon® electromagnetic transponders are implanted into your prostate in an outpatient procedure, similar to a biopsy, by experts at Cleveland Clinic Glickman Urological Institute. Each responder is about as small as a grain of rice.

2. The Beacon transponders communicate with the Calypso 4D Localization System™ using safe radiofrequency waves.

3. Your prostate is monitored during treatment by the Calypso System, showing exactly where the target is at all times. This allows your doctor to make quick, important decisions about your care.
eCleveland Clinic MyChart

Have you ever wished you could check your medical records at home or on the road? You can. Cleveland Clinic patients are able to access a portion of their own medical record on the Internet, any time of day or night through a Web-based service called MyChart®. eCleveland Clinic MyChart also alerts you to important, institutionally-determined health-related reminders to help you better plan the details of your ongoing health care. All that is needed is internet access and an email account.

As an eCleveland Clinic MyChart user, you are able to:

- Review past appointments
- Manage your prescription renewals
- Manage appointment requests and cancellations
- View your health summary, current list of medications and test results as released by your physician
- Receive important health reminders

To learn more or sign up for MyChart, visit clevelandclinic.org/mychart.

Cleveland Clinic is a not-for-profit multispecialty academic medical center. Founded in 1921, it is dedicated to providing quality specialized care and includes an outpatient clinic, a hospital with more than 1,000 staffed beds, an education division and a research institute.