



Baton Rouge General

Pennington Cancer Center

Center of
Excellence
Series

Baton Rouge General's Pennington Cancer Center

Center of Excellence

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SIEMENS



Center of Excellence

As the oldest hospital in the region, Baton Rouge General Medical Center has been providing healthcare for more than 100 years. Ranked number one in Louisiana for critical care according to HealthGrades in 2008, the General is known for exceptional quality and advanced treatment technologies.

The 544-bed community hospital offers comprehensive medical and surgical services at its two campuses, Mid City and Bluebonnet, and is home to Pennington Cancer Center – a comprehensive, multidisciplinary cancer program in the region.

Offering surgical and medical oncology services with a specialization in radiation treatment, Pennington was the first cancer program in the region to be certified by the American College of Surgeons Commission on Cancer and has continuously maintained approval as a Community Hospital Comprehensive Cancer Program since 1989. Its radiation oncology department provides technically sophisticated radiation therapy, including Image-Guided Radiation Therapy (IGRT) and Intensity-Modulated Radiation Therapy (IMRT).

Pennington Cancer Center is the first center in the U.S. to use ARTISTE™ Solution – Siemens' new integrated linear accelerator offering true Adaptive Radiation Therapy (ART).

With its enhanced OPTIVUE™ 2D Portal Imaging and MVision™ Megavoltage Cone Beam Imaging, plus the addition of real-time imaging and daily Adaptive Targeting™, ARTISTE takes treatment possibilities to a whole new level.

Joseph Finnegan, Chief Medical Physicist

Cancer is a serious disease with devastating consequences. The technologies offered with ARTISTE enable us to bring the latest treatment options to our patients, both now and for years to come.

Zachary Smith, Director

Pennington Cancer Center has long been a leader in bringing new radiation therapy technology to our community. We were the first in the area to use multileaf collimators, digital portal imaging, 3D treatment planning, IGRT, and megavoltage cone beam image guidance. The partnership we now have with Siemens as the first U.S. site for its new flagship technology represents our unwavering commitment to caring for our community with the highest level of quality and using the most advanced treatment.

Dr. William Russell, Medical Director





Key Personnel

William Russell	M.D., Medical Director, Radiation Oncology
Andrew Lauve	M.D., Radiation Oncology
Zachary Smith	Director, Radiation Oncology
J. Joseph Finnegan III	M.M.Sc., D.A.B.R., Chief Medical Physicist
Brad Barhorst	M.S., D.A.B.R., Medical Physicist
Tracey McDowell	R.T. (R)(T), Chief Therapist, Radiation Oncology
JoAnn Stockfisch	C.M.D., Dosimetrist

Equipment

Linear Accelerators

ARTISTE Solution

- syngo® RT Therapist
- 160 MLC™ Multileaf Collimator (MLC)
- OPTIVUE 1000ART Electronic Portal Imaging Device (EPID)
- MVision Megavoltage Cone Beam (MVCB) Imaging Package
- 550 TxT™ Treatment Table

ONCOR™ Avant-Garde Linear Accelerator

- OPTIFOCUS™ 82-leaf MLC
- OPTIVUE 1000ST EPID
- MVision Megavoltage Cone Beam Imaging
- 550 TxT Treatment Table

Two KD2 Linear Accelerators

- 3-D MLC™ 52-leaf MLC
- BEAMVIEW™ EPID

Linear Accelerator Quality Assurance (QA)

- syngo RT Physicist
- RIT
- RPC TLD Control Program

Simulation

- SOMATOM® Sensation Open CT (4D)
- Conventional (Oldelft/Nucletron)

Treatment Planning

- XiO (CMS)

Oncology Information System (OIS)

- IMPAC

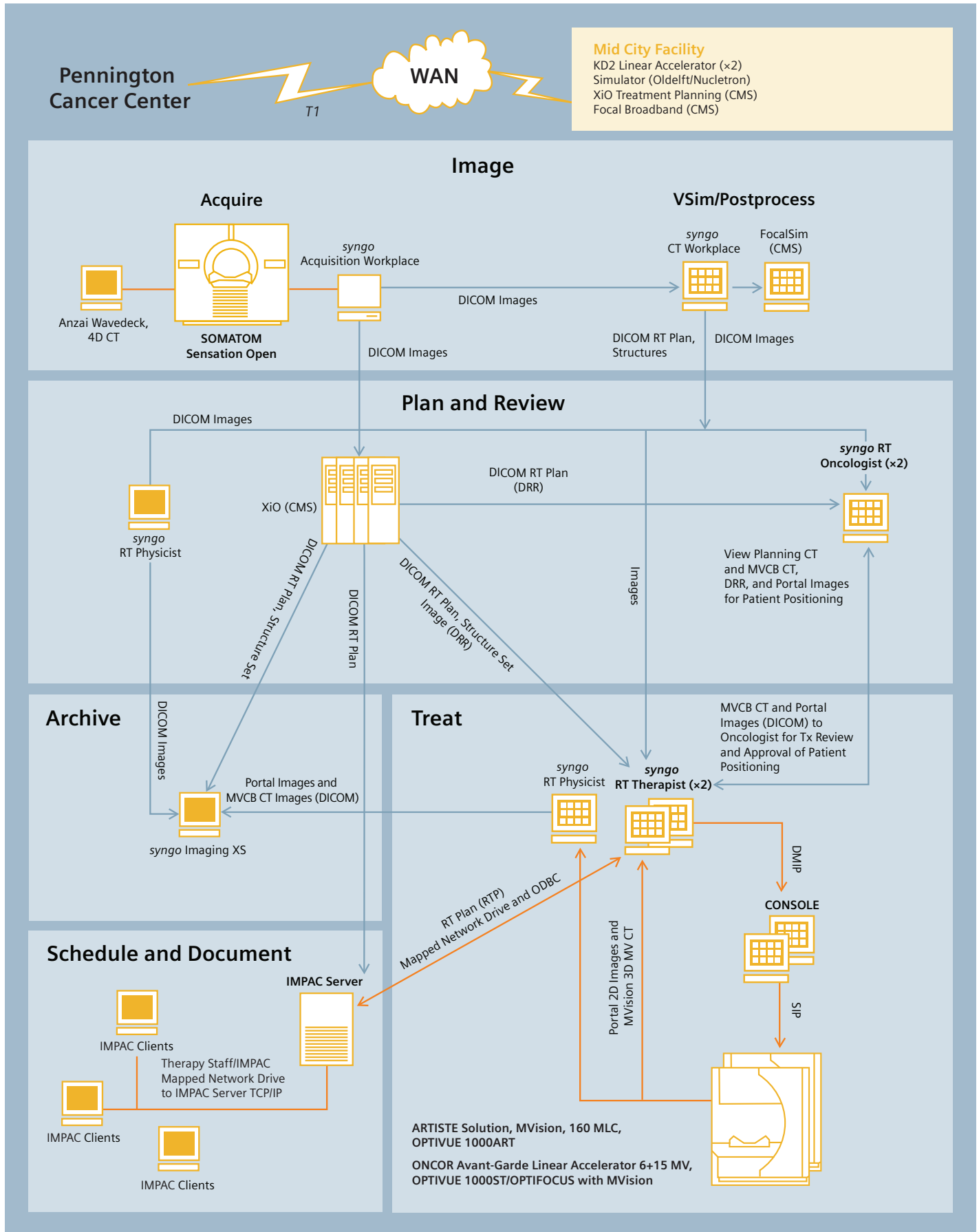
Patient Localization

- MVision Megavoltage Cone Beam Imaging
- Tx review, 2D portal image, Fuji portal CR review

Workflow

- syngo RT Oncologist with Adaptive Targeting
- syngo Imaging XS

Workflow Chart



Treatment Environment

Patients treated per day	Mid City: ~40 / Bluebonnet: ~35 Total: ~75
Time slots	15 minutes (including IMRT)
Disease state breakdown	Prostate ~21%
	Breast ~39%
	Lung ~22%
	Head and Neck ~5%
	Other ~13%
Clinical focus of site	IGRT (~10%)
Number of physicians	2
therapists	11
physicists	2
dosimetrists	2



Highlights to See

- ARTISTE Solution: Baton Rouge General was the first ARTISTE installation site in the U.S.
- IMRT treatments
- MVision Megavoltage Cone Beam Imaging procedures
- 4D CT studies with SOMATOM Sensation Open CT

Site Development and Strategic Partnership

Through its partnership with Siemens, Pennington Cancer Center is working to change the way cancer treatment is delivered to Americans. Traditionally, new breakthrough technologies such as ARTISTE premiere in large academic hospitals and take years to make their way into community cancer centers. However, ARTISTE made its national debut in Pennington's community cancer center in Baton Rouge, Louisiana.

ARTISTE is an integrated imaging and therapy workflow solution designed specifically for ART, a technology that ensures the therapeutic dose is delivered precisely to the target and that healthy tissue is spared as planned.

ARTISTE offers a comprehensive portfolio of image-guided and advanced treatment delivery tools that enable clinicians to choose the appropriate treatment technique for each patient, make critical adjustments on the spot, and deliver true ART according to individual patient needs.

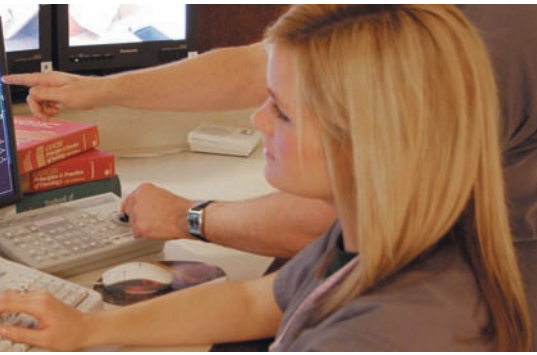
ARTISTE Solution Offers

- Powerful, unique megavoltage cone beam for 2D, 3D, and 4D imaging
- Automated sequenced image acquisitions in less than 3 minutes, including reconstruction and table offset calculations
- 160 MLC – the finest precision for small and large fields and very low leakage and transmission
- Single interface for controlling all integrated functions

Siemens also partnered with Pennington Cancer Center to establish a paperless work environment that uses the advantages of real-time information exchange between both campuses. The integrated electronic medical record system, along with treatment planning software, facilitates planning in a multicenter format, and provides physicists, dosimetrists, and physicians with remote and desktop access.

This strategic partnership relies on Pennington Cancer Center and Siemens continuously working together to refine this next-generation technology. Because of Pennington's in-depth experience with ARTISTE, it is becoming the training ground for Siemens' U.S. sales force and future ARTISTE users.

"This technology saves lives, and because of our partnership with Siemens we're helping to bring technologies such as ARTISTE into community cancer centers where people need it the most," explains William R. Holman, President and Chief Executive Officer of Baton Rouge General Medical Center.

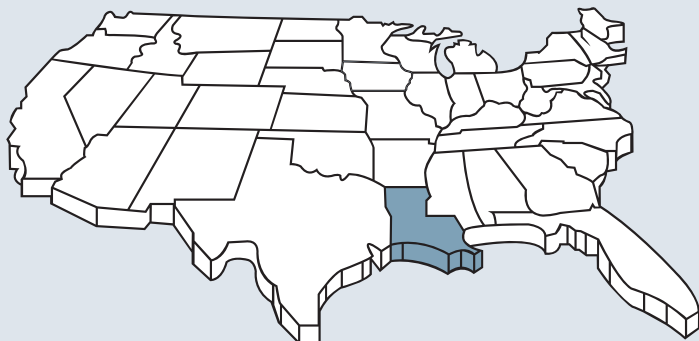
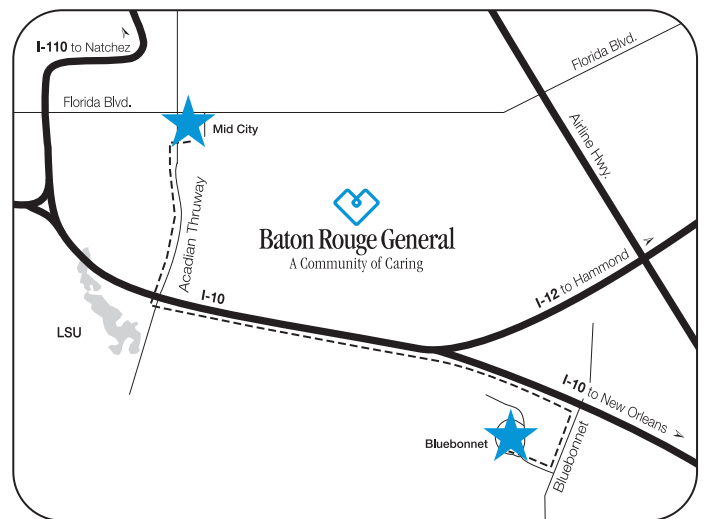


Visit Guidelines

Due to HIPAA regulations and general privacy, security, and space issues, visitors must adhere to the following guidelines:

- Maximum of 4-6 people per visit
- Visitors must sign a confidentiality statement to allow access to patient information, including charts and computer display monitors containing patient information
- Visitors must remain with the group during a tour and be escorted by Baton Rouge General personnel at all times
- When in treatment rooms or control areas, visitors must not direct questions to or engage therapists in conversation during patient treatments – conversation among visitors should be kept to a minimum
- Visitor badges must be displayed in a visible location
- Please note that scheduling of treatments and imaging procedures is somewhat unpredictable due to a number of factors; consequently, visitors may not see a particular treatment or imaging procedure even if they've been told one has been scheduled

Location



Baton Rouge General's
Pennington Cancer Center

Mid City
3600 Florida Boulevard
Baton Rouge, LA 70806 USA

Bluebonnet
8585 Picardy Avenue
Baton Rouge, LA 70809 USA

+1-225-387-7280

Clinic Type: Community Hospital

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Contact Address

Siemens Medical Solutions USA, Inc.
Oncology Care Systems
4040 Nelson Avenue
Concord, CA 94520
USA
Telephone: +1-925-246-8200
+1-888-826-9702 (US & Canada)
www.siemens.com/oncology

Siemens AG
Medical Solutions
Henkestraße 127
D-91052 Erlangen
Germany
Telephone: +49 9131 84-0
www.siemens.com/healthcare

Siemens Medical Solutions USA, Inc.
Oncology Care Systems
4040 Nelson Avenue
Concord, CA 94520
USA

Headquarters
Siemens Medical Solutions USA
51 Valley Stream Parkway
Malvern, PA 19355
USA
Telephone: +1-888-826-9702
www.usa.siemens.com/healthcare