

## About Self Regional's iCT BrainSUITE

The iCT BrainSUITE® at Self Regional Healthcare uses space age technology that allows surgeons to look at images during surgery, not only of the brain, but also of the back and neck where surgical precision is critical.

Our state-of-the-art neurosurgical suite is the first in the Southeast and just the fourth in the nation. It allows for enhanced surgical decision processes by improving surgical navigation, planning, data management, integration and image registration.

BrainSUITE by BrainLAB combines VectorVision® Sky navigation with an intra-operative CT scanner and operating table with a radiolucent tabletop. This technology makes it possible to automatically register images taken intra-operatively.

With versatile patient positioning possibilities via an adjustable operating table and extra large scanner entry, BrainSUITE offers comfortable, high-quality patient treatment.

The spine program at Self Regional has been ranked in the top 5 percent in the nation by Healthgrades® for the past two years.\* It provides enhanced services for patients.

\*Healthgrades is the leading independent ratings organization for hospitals in the United States.

## Spine Surgery Recognition

Our nationally recognized spine surgery program has been consistently rated among the top in the country by HealthGrades.® These ratings include:

- Ranked No. 1 in S.C. for spine surgery in 2009 and 2010
- Recipient of the HealthGrades' Spine Surgery Excellence Award™ three years in a row (2008 – 2010)
- Ranked among the top 5 percent in the nation for spine surgery two years in a row (2009 and 2010)
- Five-star rated for spine surgery – (2006 – 2010)
- Five-star rated for back and neck surgery (except spinal fusion) (2003 – 2010)
- Five-star rated for back and neck surgery (spinal fusion) (2008 – 2010)

In addition, our program also has been designated as a Blue Cross and Blue Shield Association Blue Distinction Center® for Spine Surgery.\* We follow a patient-focused clinical pathway, which accounts for our high levels of patient satisfaction. The spine center is a specialized unit staffed by physicians, physician's assistants, nurses and other professionals trained in the care of patients undergoing spine surgery.

\* Blue Distinction Center for Spine Surgery is a designation awarded to medical facilities exhibiting a commitment to quality care, resulting in better overall outcomes for spine surgery patients. Blue Distinction Centers for Spine Surgery will have demonstrated experience in offering comprehensive inpatient spine surgery services, including discectomy, fusion and decompression procedures.

## SOUTH CAROLINA SPINE CENTER

Advanced spine care services of  
**SELF REGIONAL**  
HEALTHCARE

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## iCT BrainSUITE®



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## BrainSUITE Components

Self Regional Healthcare's new BrainSUITE consists of a variety of components that work together to improve surgical navigation and imaging.

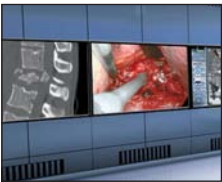
### VectorVision Sky

As part of BrainSUITE, the ceiling-mounted VectorVision Sky is the central control terminal for the surgeon. This solution provides maximum efficiency in space usage. The automatic image registration feature allows intra-operative patient registration within seconds. BrainSUITE iCT also provides easy-to-use surgical planning features, improving the quality of intra-operative data.



### BrainSUITE® Data Billboard

The BrainSUITE Data Billboard LCD consists of in-wall monitors that display patient data from different sources in extra-large size and high-definition (HD) resolution to the entire operating team. This improves the surgical decision-making process and facilitates staff training.



### Siemens CT scanner with Sliding Gantry

The Siemens CT scanner with sliding gantry provides high-quality intra-operative imaging that meets the most stringent criteria for diagnostic imaging. Numerous software features help minimize radiation exposure, shorten examination and reduce breath-hold times while maintaining image quality.



### BrainSUITE NET

BrainSUITE NET, which is controlled through touch screens, is the hardware and software backbone of the BrainSUITE integrated operating room. It acts as the central information hub and control center for the surgeon.



### Operating Room Table

The BrainSUITE operating table has a radiolucent tabletop and is interchangeable, giving the surgeon flexibility to exchange them based on patient positioning and procedures. For intra-operative imaging, the CT travels over the table and patient to perform a scan in the desired area. The patient monitoring and anesthesia equipment do not have to be moved, significantly improving patient safety and workflow optimization.



## What is CT Scanning?

CT is an abbreviation for a diagnostic procedure called computed tomography, which combines X-rays and sophisticated computers to generate detailed anatomical images.

Sometimes called CAT scans, CT scans have been performed safely and successfully for 30 years. A CT scan gives physicians a way to see inside your body.

One advantage of CT is its ability to rapidly acquire two-dimensional pictures of your anatomy. Using a computer, these 2-D images can be presented as 3-D images. Intra-operative CT scans provide for enhanced surgical navigation.

