APBI Protocol Update and the Launch of FAST APBI Study

The Brown University Oncology Group (BrUOG) PhaseI/II APBI Study was recently completed upon reaching the goal of accruing the first 40 patients. As previously planned, this study is now continuing as a "Patient Data Registry." All AccuBoost users are welcome to participate in this Registry. Interested parties are encouraged to look up the details posted at *www.accuboost.com* website, searching for the BrUOG 251 APBI protocol. The details of this study, conducted at an arm's-length from the Company, such as the technique and patient selection criteria will be accessible by visiting this site.

The FAST Accelerated Partial Breast Irradiation study, is the newest BrUOG APBI protocol with the goal to deliver 28.5 Gy of AccuBoost dose in five (5) daily fractions of 5.7 Gy. This study is designed around the preference and comfort of patients. Busy professionals and those living away from radiation treatment facilities have expressed the preference to avoid the twice daily, 6-hour apart fractions, which is part and parcel of the current APBI treatment option. Details of the study are being finalized as this newsletter goes to press, but the Phase I/II feasibility study, involving an expected 40 patients, is to be launched in early Q4, 2013. Interested parties are encouraged to contact Jaroslaw Hepel, MD, (*jhepel@lifespan.org*) the principal investigator of the study at Rhode Island Hospital.

Find us on Facebook @AccuBoost

Visit **AccuBoost** at Booth 243 during the ASTRO Annual Meeting, Sept. 22-24 in Atlanta, GA

ASTRO

AccuBoost™
for image guided breast irradiation

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POSTAGE

Striving for perfection...

...achieving results

Issue 25, September 2013

AccuBoost® Booster Club

Notes from the Editor:

This issue reports on recent AccuBoost installations including the first system sold to a hospital that could not work with any kind of leasing contract. It covers the 6th anniversary of the launch of AccuBoost and the Company's support and participation in ALATRO, ACCC, ASTRO and the ABS Breast Brachytherapy School.

The Q & A with Dr. David Wazer, covers the "best practice" option for patient screening; it points out that CT images taken in prone position are not of much help in qualifying the patients for AccuBoost. Finally, the newsletter announces the successful conclusion of the Phase I/II APBI protocol and the start of the new FAST APBI for a bold truly hypo-fractionated dosing schedule.

Inside this issue:

New AccuBoost Installations:

Catholic Health Initiatives®
Saint Elizabeth Regional Medical Center
CANCER INSTITUTE

St. Elizabeth Regional Medical Center in Lincoln, Nebraska is one of the latest sites to offer the AccuBoost procedure. Dr. Kevin Yiee is the radiation oncologist at this site. He and his team, shown in the picture, began patient treatments in July.

The AccuBoost team at St. Elizabeth: Heather Williams, therapist; Kevin Yiee M.D., Radiation Oncologist; Nicole LaFleur, lead therapist; and Leo Jablonski, physicist.

SAINT AGNES HOSPITAL

Saint Agnes Hospital in Baltimore, a member of Catholic Ascension Health group of hospitals, is the only site in Maryland to offer the AccuBoost procedure. Instead of the routine leasing option, Saint Agnes Hospital opted to purchase and own the AccuBoost System.

FLAGLER HOSPITAL ST. AUGUSTINE
First Radiation & Oncology Group
Oncure

Flagler Cancer Center in St. Augustine, FL is also among the latest additions to the list of AccuBoost users. This facility is another Florida Radiation Oncology Group (FROG) Oncure facility operating under the supervision of Drs. Nicole Anderson and Neenad Shah.

GRU
GEORGIA REGENTS UNIVERSITY
AUGUSTA

Medical College of Georgia, also known as **Georgia Regents University,** a teaching hospital in Augusta, is one of the latest additions to the family of AccuBoost users. The patient treatment at this site was launched in August.

AccuBoost celebrates 6th anniversary

July 16, 2013 was the 6th year anniversary of the treatment of the first AccuBoost patient. 61 year old Linda Schuk of San Antonio, TX was treated by Bradley Prestidge, MD, at the Texas Cancer Clinic. In her interview with the local TV station, Ms. Schuk stated "…this procedure zeros in the radiation to where I had cancer removed." She added "Any treatment that can improve the outcome and make it easier on the patient, I am all for it."

New AccuBoost Website

www.AccuBoost.com has been completely overhauled. The new user friendly website, inaugurated in early August, has distinct features that allow patients and healthcare professionals to easily access relevant information. Patient testimonials, as well as the latest publications containing clinical and technical updates on AccuBoost can now readily be accessed from the home page.

AccuBoost at ALATRO

AccuBoost exhibited at this year's ALATRO (Asociacion Latinoamericana de Terapia Radiante Oncologica) July 28-31 in Cartagena, Colombia. The meeting was attended by nearly 600 radiation oncologists, medical physicists, and industry representatives from Latin American and the rest of the world.

This was the first solo appearance of AccuBoost in an international meeting. In addition to the display of the hardware, the AccuBoost exhibit actively solicited industry rep-resentatives for distribution of the system in Latin American markets.

It is believed that the features of AccuBoost and its reliance on the HDR-brachytherapy hardware make it particularly attractive for the developing economies of Latin America. The enthusiastic inquiries by local distributors give credence to this assessment.

CONGRESS ALATRO Cartagena de Indias - Colombia

AccuBoost at ACCC in Boston

AccuBoost has been invited to present the features of the technology and latest trends in breast radiation therapy at the upcoming 30th National Oncology Conference meeting of the Association of Community Cancer Centers, October 2-5 in Boston. On Thursday October 3, at 2 PM, the role and contribution of AccuBoost will be discussed in an hour long invited talk. The ACCC meeting is attended by over 500 key decision makers including radiation and medical oncologists, medical directors, facility managers, therapists and nurses.

ACCC Association of Community Cancer Centers

AccuBoost at ASTRO

AccuBoost will be participating in the 55th annual ASTRO meeting , September 22-26 in Atlanta. The latest system innovations and recent clinical results will be displayed at the AccuBoost exhibit. For this year's ASTRO, arrangements are made for new comers to meet with expert AccuBoost users for one-on-one question and answer and exchange of ideas. The schedule for these "meet the experts" is shown below.

Date	Time	Expert	Location
Sun, Sept 22	11:20-12:20	David Wazer, MD	AccuBoost Clinical Results
Sun, Sept 22	4:00-5:00	Scot Ackerman, MD	AccuBoost Patient Selection
Mon, Sept 23	11:00-12:00	Anand Kuruvilla, MD	AccuBoost in My Practice
Mon, Sept 23	2:00-3:00	Scot Ackerman, MD	AccuBoost Patient Flow
Mon, Sept 23	4:00-5:00	Jaroslaw Hepel, MD	AccuBoost for APBI
Tues, Sept 24	10:00-11:00	Anand Kuruvilla, MD	AccuBoost in Community Centers

AccuBoost at ABS Breast Brachytherapy School

AccuBoost will be exhibiting at this year's American Brachytherapy Society Breast School to be held at the Mandarin Oriental Hotel in Las Vegas, October 24-25.

Q & A on applicability of CT Simulation for Patient Qualification for AccuBoost

With David Wazer, M.D., Chair of Medical Advisory Board

Some new users rely on CT simulations for identifying patients for the AccuBoost procedure. These users frequently disqualify the patients based on CT images as they find that the lumpectomy cavity appears too close to the chest wall. The suitability of CT simulation for patient selection is posed to Dr. David Wazer.

Q – Is CT simulation appropriate for screening patients for AccuBoost?

A – CT simulation of a patient in a supine position is often misleading. Lumpectomy cavities that appear close to the chest wall in a CT image, when viewed in a mammographic setting appear entirely differently. Patients that are judged not to be good candidates may in fact turn out to be ideal for AccuBoost.

Q – Is there a good example that you can share with us?

A – Yes, by way of an example, Figure A is a typical CT image of a patient with a posterior target. Based on this image, I would have disqualified her as an AccuBoost patient due to proximity of the lumpectomy cavity to the chest

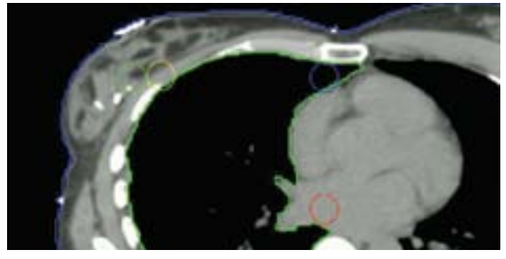

Figure A

wall. However, when this patient was imaged in the mammography position, there was ample posterior margin, as shown in the mammogram (Figure B) to qualify her for AccuBoost.

Q – How and when do you normally perform the simulation to see if a patient is the right candidate for AccuBoost?

A – During the initial office visit, typically in the week before the start of the course of radiation therapy, the patient is assessed on the AccuBoost System. I use both C–C, and M–L positions to view the lumpectomy cavity. I often display the images side-by-side with the pre-op mammograms and needle localization images, for additional checks. I find the early assessment approach helpful for managing the treatment schedule at the clinic. Additionally, the pre-qualification avoids any later disappointment for patients that may learn after building their expectations that they do not qualify and will not be a candidate for AccuBoost.

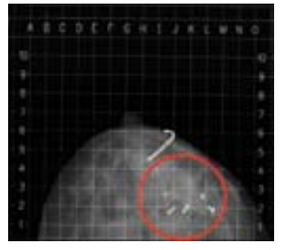

Figure B

Q – What percent of the patients that you screen qualify for the AccuBoost Procedure?

A - Every breast conservation therapy patient in our institution is screened and evaluated as a possible AccuBoost candidate. We typically find that more than two third to be good candidates that we proceed to treat. The percentage of qualified AccuBoost patients has steadily increased as our therapists have mastered the patient positioning skills along with continuing upgrades to our equipment and applicator sets.