Welcome to the first edition of Nuclear Medicine’s The Point Source.

The Point Source is a quarterly publication designed to give you, our partners, the inside scoop for key information such as new product releases, updates to our products and services, publications, FAQ’s, and upcoming events. Every issue will have a message from one of our executives concerning the current and future trends and the outlook for our business.

We would like to thank you for your continuous feedback in helping us to identify areas for improvement and, as a result, we are making changes in processes and products to improve your satisfaction.

Through our face-to-face visits and customer lunches you told us that you want better communication with our business. This newsletter and programs to follow are the results of those comments.

Additionally, we are looking for how we can serve you better through this newsletter and suggestions on what you would like to see in future issues. For your convenience, we have included an email address which you can use to provide us your comments and suggestions.

Thank you for your continuous support and loyalty to Philips.

Executive Message

It is my pleasure to welcome you to the first edition of The Point Source.

As your partner in clinical excellence, Philips is here to provide you with the most up-to-date information about our products and innovations as well as timely industry information to enhance your clinical expertise.

This publication is filled with valuable content that will provide a preview of current product promotions as well as our plans for future innovations. At Philips we design our products around customer insights—so we value your comments and feedback.

This year at SNM, we’ll be displaying our best Nuclear Medicine portfolio in years and will showcase substantial clinical proof of our latest innovations in oncology, cardiology and orthopedics. Stop by and see us.

We hope you enjoy The Point Source and we hope to hear from you soon. Until then, Philips Nuclear Medicine will continue to lead in technological innovation by providing you with clinical solutions that matter.

Jay Mazelsky
Senior Vice President and General Manager, Nuclear Medicine
New product announcement

BrightView XCT

BrightView XCT brings together the best qualities of SPECT and CT without compromising either, helping healthcare providers simplify workflow to enhance clinical efficiency and lower life cycle costs. Fewer artifacts, and higher resolution-to-dose ratios are provided by a unique combination of design and technology. As compact and patient-friendly as the standard BrightView SPECT system, the BrightView XCT is easy to install, scalable and upgradeable, with the full support of Philips Services throughout the life of your product—from planning to startup, through peak-usage and renewal.

BrightView XCT “fits” the workflow needs of nuclear medicine by allowing planning of the SPECT/CT from the camera P-scope, allowing the operator to remain in the room with the patient during the procedure, and allowing the patient to breathe normally during CT acquisition.

The technologist operating the BrightView XCT requires no special licensing beyond the conventional requirements of nuclear medicine.

The goal for the BrightView SPECT/CT will be a system optimized for Nuclear Medicine—highly integrated and NM-centric.

- High performance, affordable price
- CT optimized for Nuclear Medicine procedures—low dose, high resolution, low complexity
- Cardiac attenuation correction without table motion between SPECT and CT acquisition, in most cases
- Does not require control room
- Astonish reconstruction to improve image quality through resolution recovery and CT-based corrections

For further information, please contact your SPECT Sales Specialist.
GEMINI TF Big Bore PET/CT

Philips GEMINI TF Big Bore PET/CT represents the next big thing in Oncology. By streamlining the processes involved in staging, planning, therapy, and follow-up in oncology care, GEMINI TF Big Bore gives you a solution that lets you do more for patients, more efficiently.

The combination of GEMINI PET with TruFlight and Brilliance CT simulation allows you to consolidate radiation oncology procedures, increase the potential for greater accuracy and improve scheduling.

- Full 85 cm bore diameter for both PET and CT
- TruFlight time-of-flight technology enhances image quality and reduces scan times by capturing the actual time difference between coincident events.
- Optional Tumor Tracking application metabolic analysis software allows quantitative information on tumor volume and metabolic activity
- Seamless interaction with radiation treatment planning systems, such as Philips Pinnacle
- Complies with stringent Radiation Oncology positional accuracy requirements (AAPM TG-66)

For more information, please contact your PET Sales Specialist.

In addition, we have some very exciting news on the development of the GEMINI TF Big Bore!
The images below are from the first two whole body scans obtained from our Beta site. The first clinical patients were scanned at the University of Pennsylvania (images courtesy of Hospital of the University of Pennsylvania).

This is a huge step forward on the development of the only big bore PET/CT system in the market.
**Nuclear Medicine Application Suite**

Philips Healthcare is proud to announce the Nuclear Medicine (NM) Application Suite, version 1.0—a comprehensive suite of planar, SPECT and QA applications to enhance nuclear medicine department productivity. NM Application Suite is exclusively for use with the Extended Brilliance Workstation NM. With NM Application Suite, Philips delivers a clinically comprehensive Planar Suite, consisting of a number of organ-specific applications and methods. These applications are fully integrated with viewing and Image and Curve Manipulation (ICM) tools, thus providing highly comprehensive means of increasing diagnostic confidence.

This product is designed around you with enhanced productivity and the ability to tailor the application to your individual needs.

**Included features**

- Batch mode selection of multiple patients and studies
- Access to Manipulation tools, Preferences, and Viewers anywhere in the workflow
- Customizable layouts
- Multiple Reconstructions (for example, with and without AC) all in a single processing path
- Integrated Quality Assurance (Perform NEMA tests and daily and periodic QA with a comprehensive and fully integrated set of the QA Suite tools)
- SPECT/CT registration and fusion display
- Attenuation and scatter correction with resolution recovery using Astonish (purchasable option) to increase diagnostic confidence
Product updates

4D Time of Flight (TOF)

In keeping with our philosophy, People focused. Healthcare simplified, we are pleased to announce the release of our latest system upgrade to the GEMINI TF with TOF product line.

The GEMINI 4D Time-of-flight (TOF) is a set of product enhancements and powerful tools designed to drive improvements in the standard of patient care.

A few of the exciting capabilities of 4D TOF include:
• Enhanced 4D TOF motion correction software providing expanded functionality for customers using the Pulmonary toolkit
  – Superb flexibility for PET, CT and PET/CT respiratory gated studies
  – Choice of Bellows and Varian RPM gating device
  – Mayo Clinic Patient Feedback Device for bellows
  – Post Acquisition Tag Editing for image quality optimization
• Cardiac Optimization - including Cardiac TOF research protocols as well as QC Alignment Application
• New PET/CT Viewer features
  – EBW 4.0
  – Enhanced Fusion Viewer
  – Emory Cardiac Toolbox 3.1
  – NeuroQ 3.0
  – Enhanced DICOM Viewer
• Workflow enhancements to the system operation
  – 70 cm Extended Field of View
  – Reduction in Start-up/Shutdown steps by approximately 50%; simplified procedure
  – One step acquisition planning
  – Configurable “One Touch” couch
  – Optional Mass Storage Device
  – New SUV options including LBM and BSA; enhanced SUV calculation
• Remote Monitoring software that automatically notifies Philips Customer Support (via the Philips Remote Service Network) of any problems or issues with the system.

Philips is providing this upgrade—as well as 24 hours of applications training—at no charge.

To learn more about the clinical benefits of this upgrade, please contact your PET Sales Specialist. If you would like more information on the upgrade, please contact your Field Service Engineer or your Regional Service Manager.

BrightView 1.2.1

Philips Healthcare is proud to announce the release of the latest software update to our BrightView SPECT gamma camera. The following enhancements are included in Service Update #2:
• The Auto Body Contour control software behavior for Relative 90 SPECT studies has been modified.
  – The software now accounts for dead space.
  – The software has been modified to more efficiently position the detectors in Cardiac 90 studies using the AutoBody Contour feature. These changes will help reduce the total study time.
• The system will beep when it reaches its limit instead of coming to a hard stop during gantry rotate.
• The motor controller software has been modified to reduce or eliminate a loud humming or noise that was heard intermittently.
• The motion control software has been modified to help improve performance during Relative 90 SPECT studies.

Philips is providing this upgrade at no charge.

If you would like more information on this upgrade, please contact your Field Service Engineer or your Regional Service Manager.
Technical updates

**JETStream Workspace Roxio Archive/Restore issue**

Recently, Philips Healthcare Nuclear Medicine has been made aware of a problem with archiving to CD/DVD on JETStream Workspace. The problem most often manifested itself as a problem with newly inserted media not being recognized before or after archive. The current workaround is to perform a complete power cycle shutdown of the JETStream Workspace. This fix, however, is proving to be only temporary as the problem could arise again with the next archive session. After a thorough investigation into the issue by Philips, Hewlett Packard and Sonic (Roxio), it was determined that the problem was with the Roxio software itself. Specifically, a problem with DLA (Drive Letter Access) was found to be the culprit.

Philips Healthcare is currently investigating a permanent solution. This software solution is planned to have the same look and feel and, as a result, is not expected to require any additional documentation or training.

When this software is released, it will be made available to all customers.

Please be sure to notify your local Field Service Engineer or the Customer Care Center in Atlanta if you experience any problems with archiving.

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**Write to us**

Is there something you would like to see published in a future edition of *The Point Source*?

If you have a question or concern that you would like to see answered, please write us at **pointsource@philips.com**

*Please note that this method of communication is not a means for Service or regular support issues. Not all questions or concerns will be addressed in the newsletter but all will be answered.*