

Vantage Galan 3T Encore Upgrade: Increased Productivity and Enhanced Image Quality

A study conducted in collaboration with Southwoods Imaging

Wissam AlGhuraibawi, PhD
Medical Affairs Manager – Clinical Scientist
Canon Medical Systems USA, Inc., Tustin, CA

Richard G. Barr, MD, PhD, FACR, FAIUM, FSRU
Professor of Radiology, Northeastern Ohio Medical University
Southwoods Imaging, Boardman, OH

Testimonials



Tina Tinkey, R.T.(MR)
Chief MRI Technologist, Southwoods Imaging

“After the upgrade of the Vantage Titan to the Galan our images are better and scan times are shorter. AiCE and Compressed SPEEDER have cut our scan times by 25 to 30 percent for most of our exams providing more comfort and less chance for patient motion. We can do more patients in a day while having extra time to squeeze in any last-minute add-on patients. After the upgrade, our MR scheduling backlog has been reduced by half, our workflow has been more efficient, and our image quality has improved.”



**Dr. Richard Barr, MD,
Ph.D., FACR, FSRU,
FAIUM**
Radiologist,
Southwoods Imaging

“With the upgrade to the Vantage Galan system we are scanning more patients in less scan time all while improving the image quality.”

Enhance System Utilization and Productivity

Galan 3T Encore upgrade program provides an opportunity to extend the life of an existing scanner while providing access to Canon’s MR latest innovative technologies enabling the facility to prioritize productivity and revenue. **Image quality enhancement, increased patient comfort, diagnostic confidence, expanded clinical capabilities,** and **reduced scan time** are some of the benefits the facility experienced with their Vantage Galan 3T Encore upgrade.

Efficient Installation

Comparative analysis for installation times required for new Galan 3T versus Encore Galan 3T for scanners that were installed over the last three years have demonstrated an average time saving of **up to 22%**¹ resulting in less downtime and faster revenue generation.

Enhanced Image Quality

The upgrade provides a great opportunity to access Canon’s latest image quality enhancement technologies such as Saturn Gradient, QuickStar, and AiCE. For example, a tremendous enhancement in image quality for a similar routine ankle exam (Figure 1) acquired after the upgrade along with a 16.2% reduction in scan time.²

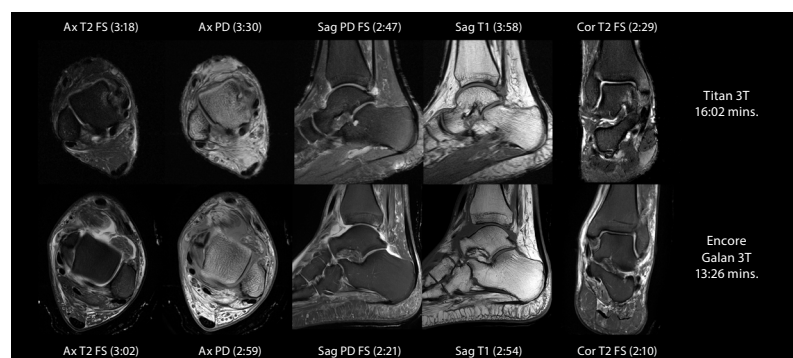


Figure 1

Scan Time Saving

Canon’s advanced technologies such as AiCE, Compressed Speeder, Fast 3D, and Exsper have helped the facility achieve substantial improvements in workflow and scan time. For example, the total exam time for a routine brain examination (shown in Figure 2) demonstrates a 31.3% reduction in scan time.²

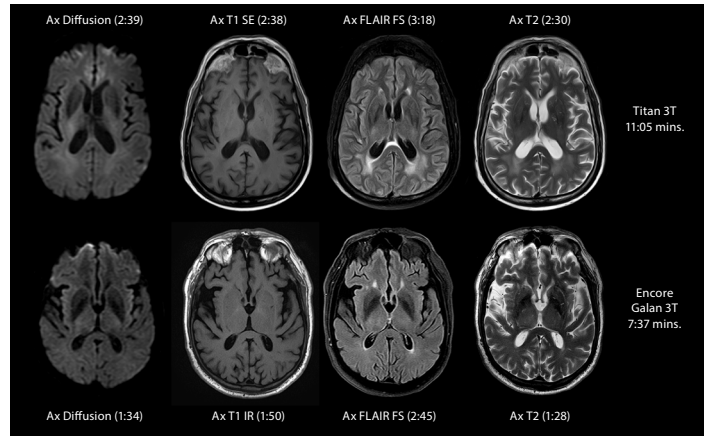


Figure 2

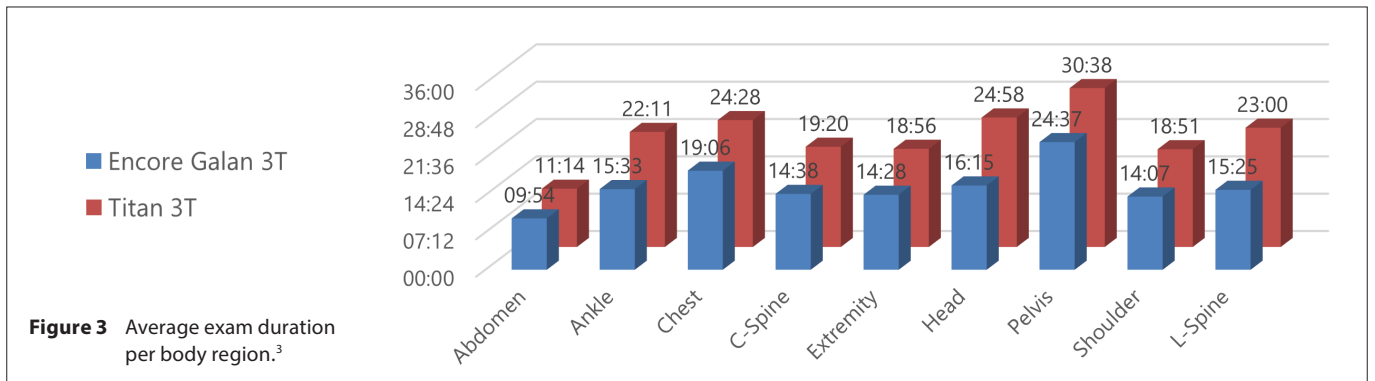


Figure 3 Average exam duration per body region.³

Increased throughput and revenue

The facility experienced a significant increase in their overall productivity of the scanner by **28%** after the Vantage Galan 3T Encore Upgrade. The increase in productivity has been reflected in an approximate **revenue increase of 30%**.⁴

¹ This includes the de-installation of the Vantage Titan 3T and installation of the Encore Galan 3T scanner and does not include the site construction time.

² Actual scan time reductions may vary by case.

³ Average scan duration per body region may vary based on site-specific exam requirements.

⁴ Revenue is calculated based on the latest Medicare reimbursement rates per examined body region.

⁵ Number of scans may vary based on scheduling and/or the selected analysis period.

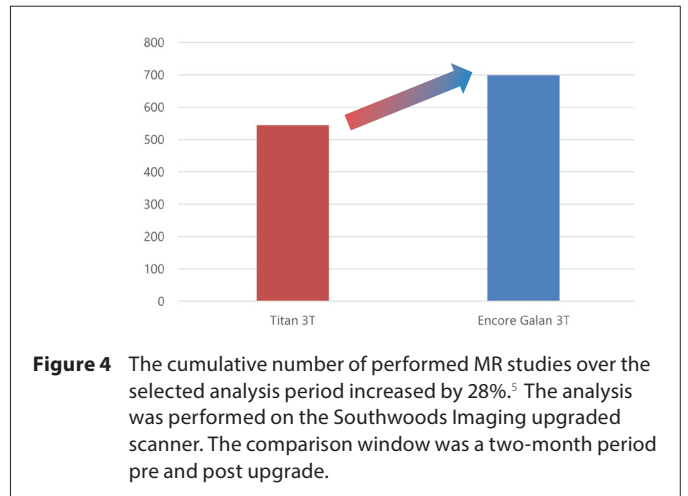


Figure 4 The cumulative number of performed MR studies over the selected analysis period increased by 28%.⁵ The analysis was performed on the Southwoods Imaging upgraded scanner. The comparison window was a two-month period pre and post upgrade.

For more information, please refer to the full study white paper (MRWP14324US): <https://Link/Content/DCjmGQRcFdGhD8WR3pMTBGFVJVWd>

The clinical results described in this paper are the experience of the authors. Results may vary due to clinical setting, patient presentation and other factors.

CANON MEDICAL SYSTEMS USA, INC.
<https://us.medical.canon>

2441 Michelle Drive, Tustin, CA 92780 | 800.421.1968

©Canon Medical Systems, USA 2023. All rights reserved. Design and specifications are subject to change without notice.

Made for Life is a trademark of Canon Medical Systems Corporation.