



Barnabas Health | Newark Beth Israel Medical Center (NBI) Newark, NJ

Newark Beth Israel Medical Center is a regional care, teaching hospital established in 1901. NBI provides comprehensive health care services to its local communities and is a major referral and treatment center for patients throughout the northern New Jersey metropolitan area.

CHANGE

Barnabas Health | Newark Beth Israel Medical Center (NBI) experienced an increase in patient demand resulting in capacity issues. Capital resources and space were scarce and the required funding was simply not available to install a second MRI. Even so, NBI understood the need to increase the number of exams they could perform daily to serve their patient population. Three years earlier, Newark Beth Israel had utilized another vendor to provide part time MRI services. With the expansion of NBI's breast program came an increased demand for MRI breast imaging and MRI guided procedures. Unfortunately, NBI's existing vendor could not meet this increased demand, and NBI's community faced a shortfall in desired MRI services.

SOLVED

After extensive analysis of NBI's clinical, operational and financial needs, Shared Imaging and NBI jointly determined that there was a need for a GE 1.5T MR HD, 12.0 software, with Excite HD 8-channel. In addition to the GE MRI, Shared Imaging also included a Sentinelle Breast Coil Table with a Variable Coil Geometry (VCG) breast coil and guidance system to address the unique needs of NBI's breast imaging program. Initially, Shared Imaging provided NBI with two (2) days of MRI service per week. Before long, the new technology and Women's Care Program increased demand for imaging to the point at which NBI now utilizes mobile MRI services four (4) days per week. According to the Medicare quality measure on Hospital Compare, NBI outpatients who had a follow-up imaging of the breast within 45 days after a screening mammogram has risen to 8.3%, close to the U.S. norm of 8.9%. (A follow-up rate near zero may indicate missed cancer; a rate higher than 14% may mean there is unnecessary follow up.)



“We have limited space and only one pad for mobile. Shared Imaging coordinated the days for us to maximize use of the single pad for five days of continuous service; 4 days per weeks for MRI and 1 day per week for PET/CT.”

- Michael Connelly, Administrative Director of Radiology, Newark Beth Israel

The second modality furnished by Shared Imaging is a GE ST-16 mobile PET/CT for one (1) day of service per week. NBI used the improved quality of their PET/CT offering to expand their Oncology department and attract and retain additional oncologists.



“We needed to expand our “Women's Care Program” to better serve our community and Shared Imaging responded. When Shared Imaging provided the GE MRI they included a Sentinelle Breast Coil Table with a Variable Coil Geometry (VCG) breast coil and guidance system. This added capability was key to our growth. We experienced significant growth in our outpatient MRI volume in the past 2 years.”

Michael Connelly

Administrative Director of Radiology, Newark Beth Israel

RESULTS & BENEFITS



Increased Revenue doubling outpatient MRI volume



8.3%

Increased Imaging of patients 45 days after screening mammogram



Expanded Oncology department



No Capital required

CHANGE. SOLVED.