Cardiac Patients Benefit from Life-saving Impella Device

The massive Impella Mobile Learning Laboratory made a recent stop at Beebe Healthcare in Lewes, allowing physicians, techs, Cardiac Cath Lab teams, and operating room teams, to learn about the Impella 2.5 and Impella CP, now being used at the Medical Center. Impella 2.5 and Impella CP are approved by the FDA as safe and effective for use during high-risk PCI procedures. These products are for high-risk patients and those who are in cardiogenic shock.

“Before this device, cardiogenic shock could be fatal because the heart wouldn’t be able to deliver enough blood to the vital organs. The Impella device allows the heart to unload the blood in the left ventricle and get it to the body,” says Mouhanad Freih, MD, an interventional cardiologist at Beebe. “We are the second hospital in the state of Delaware to have this device.”

Recently, a previously healthy, 42-year-old patient was brought into Beebe’s Emergency Department with large anterior wall myocardial infarction, where the main artery to the front of his heart (LAD) was completely occluded. This caused significant damage to his heart muscle and temporary cardiac arrest requiring prolonged CPR.

Efforts to recover the patient utilizing available contemporary and advanced medical/interventional technology were not enough. The occluded artery could not be opened, and the patient went into cardiogenic shock as his heart was unable to deliver oxygen and blood to the rest of his vital organs. In the majority of cases, cardiogenic shock leads to death.

This is where Ivan Pena Sing, MD, an interventional cardiologist at Beebe, was able to open the artery and place the Impella 2.5—billed as the world’s smallest heart pump. This pump, made by Abiomed, helped to unload the heart and delivered up to 3.5 liters of blood to the rest of the patient’s organs. The patient was then transferred to the ICU, where he continues to recover without any signs of permanent brain injury.

Cardiogenic shock is a life-threatening condition that typically occurs during or after a heart attack or cardiopulmonary bypass surgery as a result of a weakened or damaged heart muscle. It is the leading cause of death in acute myocardial infarction, where the overall in-hospital mortality rate is 57 percent. For persons older than 75 years, the mortality rate is 64.1 percent. For those younger than 75 years, the mortality rate is 39.5 percent.

Advanced Technology, Close to Home

The Impella 2.5 and Impella CP devices are also approved to treat certain advanced heart failure patients undergoing elective and urgent percutaneous coronary interventions (PCI), such as stenting or balloon angioplasty, to re-open blocked coronary arteries.

“The Impella CP is an artificial pump and it helps support the patient’s heart function. It is like a bridge for patients who come in with cardiogenic shock or who need bypass surgery or a complex intervention. This device gives us the unique opportunity to support the patient while the heart is fixed,” says Dr. Pena Sing. “This is the standard of care for heart patients. And, we are proud to bring it to Beebe.”

For additional information, clinical data, and patient stories, go to www.protectedpci.com.
NURSE NAVIGATORS

Beebe Offers Nurse Navigators to Help Connect Residents and Visitors With Healthcare Services

Remind your patients about Beebe's Nurse Navigator. She is available to help answer patients’ questions, set appointments, and provide valuable information about health screenings.

Contact Carrie Snyder, MSN, APRN, FNP-BC, Nurse Navigator.

- Cardiac & Vascular: (814) 316-3334
cardiannavigator@beebehealthcare.org
- Orthopaedics: (844) 316-3332
orth@beebehealthcare.org
- Surgical Services: (814) 316-3339
surgerynavigator@beebehealthcare.org
- Women’s Health: (844) 316-3330
womenshealth@beebehealthcare.org

MEDICAL STAFF UPDATE

New Provider Portal Allows Remote Scheduling and Increases Efficiency

Beebe Healthcare has purchased a cloud-based self-scheduling solution called Provider Portal. Our new solution will enable you to seamlessly self-schedule diagnostic appointments for your patients at Beebe, eliminating the need to call Beebe scheduling to make appointments for your patients. When checking out your patient, you can easily schedule outpatient testing at their convenience.

Key Benefits:
- Increase physician and patient satisfaction
- Decrease phone and fax traffic
- Eliminate lost orders
- Reduce phone tag and waiting on hold
- Zero cost to the physician offices
- No additional hardware or software to install

Tracks Scheduling Throughput: Provider Portal allows physician offices to track patient appointments in real-time with status updates (scheduled, rebooked, and cancelled).

For more information, contact:
Project Analyst Andrea Newberry, (302) 856-9729, ext. 2905, anewberry@beebehealthcare.org
Director of Patient Access Maurice Winkfield, (302) 645-3292, mwinkfield@beebehealthcare.org

Beebe Offers New Digital PET/CT Technology to Better Serve Patients

Beebe Healthcare now offers one of the most advanced diagnostic tools available for cancer detection: the Discovery™ MI PET/CT imaging system from GE Healthcare. Beebe Healthcare installed the new PET/CT scanner at the Beebe Health Campus–Rehoboth Beach on Route 24 in late May.

“Beebe Healthcare is thrilled to be the first on the East Coast to offer the new Discovery™ MI PET/CT imaging system from GE Healthcare. We started the first round of trainings in June and have begun using this new technology for our patients,” says Dan Mapes, Beebe Healthcare’s Director of Diagnostic Services.

“This new, state-of-the-art detection technology is great news for patients, as the new digital scanner has significantly better resolution, leading to more accurate diagnoses and disease staging.”

This advanced nuclear imaging technique combines positron emission tomography (PET) and computed tomography (CT) into one machine. A PET/CT scan reveals information about both the structure and function of cells and tissues in the body during a single imaging session. By combining information about the body's anatomy and metabolic function, a PET/CT scan provides a more detailed picture of cancerous tissues than either test does alone. The images are captured in a single scan that provides a high level of accuracy.

“Because of the superior sensitivity and resolution of the digital PET images in combination with the detailed anatomie information from CT, we are able to detect cancerous lesions earlier and with more confidence, which helps the Oncology Team decide on the best course of treatment,” says Dr. Ellen Bahtianian, diagnostic radiologist and nuclear medicine physician at Beebe Healthcare.

In addition to providing comprehensive PET oncology analysis to monitor cancer treatments, Discovery™ MI can be used to address clinical challenges beyond oncology to include brain imaging and FDG bone scanning.

Specific advantages of GE Healthcare’s Discovery™ MI PET/CT imaging system include:
- Significantly better small lesion detectability
- Reduced time for the patient during the scan and a lower dose rate
- Technology to more accurately access treatment response and guide physician treatment-planning decisions
- Up to 82 percent reduction in CT dose with ASIR-V, at the same image quality
- An extended table length allows for the new scanner to perform the scan in one session, whereas in the old scanner, if someone was above 6 ft. tall, it required a repositioning and two scans.

To learn more about Beebe Healthcare’s Imaging Department, visit www. beebehealthcare.org/patient-care-services/beebe-imaging or call (302) 645-3278 to schedule an appointment today. The Discovery™ MI PET/CT imaging system is housed at the Bookhammer Outpatient Center, Beebe Health Campus, 18941 John J. Williams Highway in Rehoboth Beach.
Beebe to Open Rt. 1, Rehoboth Center

Beebe Healthcare will open a new outpatient physical rehabilitation center on Route 1 at the Lighthouse Plaza near Rehoboth Beach. The doors are expected to open by the end of this year!

Services offered in the new Light-house Plaza center (adjacent to Giant) will include physical therapy, occupational therapy, speech/language pathology, and the Beebe HealthyBack program, previously available only in Georgetown. In addition to treatment rooms and therapy equipment, the new location will feature a multipurpose space where community programs can be held.

About Our Services

PHYSICAL THERAPY helps post-surgical patients and those who have suffered trauma or injury to heal inflammation and restore strength, range of motion, and mobility.

Therapists also are trained and certified in the “LSVT BIG” protocol to assist in the treatment of patients with Parkinson’s disease. The new location will also provide space to host community programs and support groups.

OCCUPATIONAL THERAPY is a task-oriented therapy that helps to restore the ability to perform the functions necessary for daily living, including personal self-care and homemaking, as well as work and leisure activities. Treatment is focused on rehabilitation of the problem and prevention of further injury or deformity.

SPEECH/LANGUAGE PATHOLOGY therapy helps patients improve speech and swallowing abilities that have been impaired in cases of stroke, illness, injury, and cognitive or memory disturbances. Areas of evaluation and treatment include aphasia, apraxia, and dysarthria treatment for stroke patients, cognitive memory treatment, voice treatment for vocal nodules and chronic laryngitis, swallowing treatment including VitalStim Therapy®, and Lee Silverman Voice Therapy® for Parkinson’s patients.

For additional information on Beebe Physical Rehabilitation Services, visit www.beebehealthcare.org/beebe-rehab-services or call (302) 645-3933.

These programs are part of Beebe’s continuum of care, which also includes Beebe Home Care Services. Physical therapy, occupational therapy, and speech/language pathology services are available to homebound patients through Beebe Home Care Services. For more information or to schedule a consultation with Beebe Home Care Services, call (302) 934-5830.

BEEBE HEALTHYBACK program is a comprehensive physical therapy approach for patients who suffer from back and neck pain or other spinal dysfunctions.

For more information or to schedule a consultation with Beebe HealthyBack, visit www.beebehealthcare.org/healthyback or call (302) 856-9729 and select option 6.

To Make a Referral

- Simply give your patient a prescription for Beebe HealthyBack physical therapy evaluation and treatment.
- We will inform you of your patient’s plan of care and progress in the program.
- If you have any questions or would like more information, feel free to contact us anytime.
Beebe Healthcare Named 2017 Most Wired
MOST WIRED® HOSPITALS USE TECHNOLOGY TO PARTNER WITH PATIENTS ON HEALTH

Beebe Healthcare is proud to announce that it is the recipient of Most Wired® status from the American Hospital Association. Technology is making it easier for patients and providers to interact, thus improving communication, safety, and patient-provider relationships. New tools are helping patients become more actively involved in their care and maintaining their health, according to results of the 19th Annual Health Care’s Most Wired survey, released this week by the American Hospital Association’s (AHA) Health Forum.

“The Most Wired hospitals are using every available technology option to create more ways to reach their patients in order to provide access to care,” says AHA President and CEO Rick Pollack. “They are transforming care delivery, and investing in new delivery models in order to improve quality, provide access, and control costs.”

According to the survey, Most Wired hospitals are using smartphones, telehealth, and remote monitoring to create more ways for patients to access healthcare services and capture health information.

“The Most Wired award is a significant achievement for our organization, and it recognizes the continuous hard work and investments in implementing technologies for the advancement of safe and quality care for our patients and community. It’s not all about winning awards; however, they are a validator that we are indeed doing the right things!” says Michael J. Maksymow, MBA/TM, CHCIO, FCHIME, FHIMSS, CPHIMS, Vice President and Chief Information Officer at Beebe Healthcare.

Healthcare’s Most Wired survey, conducted between January 15 and March 15, 2017, is published annually by Hospitals & Health Networks (H&HN). The 2017 Most Wired survey and benchmarking study is a leading industry barometer measuring information technology (IT) use and adoption among hospitals nationwide. The survey of 698 participants, representing an estimated 2,158 hospitals—more than 39 percent of all hospitals in the U.S.—examines how organizations are leveraging IT to improve performance for value-based healthcare in the areas of infrastructure, business, and administrative management; quality and safety; and clinical integration.

Detailed results of the survey and study can be found in the July issue of H&HN. For a full list of winners, visit www.hhnmag.com.

About Beebe Healthcare
Beebe Healthcare is a not-for-profit healthcare system that offers comprehensive medical care and outpatient services throughout Sussex County, Delaware. For more information, please visit us online at beebehealthcare.org.

Beebe Walk-In Care Locations

GEORGETOWN
21635 Biden Avenue (Rt. 404/18 just West of Rt. 113) • Georgetown, DE 19947
Walk-In Care ................. (302) 856-9729

MILLSBORO
28538 DuPont Boulevard (Rt. 113) • Millsboro, DE 19966
Walk-In Care ................. (302) 934-5052

MILLVILLE
Creekside Plaza, Route 26 • Millville, DE 19967
Walk-In Care ................. (302) 541-4175

REHOBOTH BEACH
Bookhammer Outpatient Center at the Beebe Health Campus • 18941 John J. Williams Highway (Rt. 24) • Rehoboth Beach, DE 19971
Walk-In Care ................. (302) 645-3010

Lewes, Delaware • (302) 645-3300
www.beebehealthcare.org

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