

practice notes

May 2011

New CSP Plant Blends Best Practices from Manufacturing and Technology

The newest addition to the North Mississippi Medical Center campus, the **Central Sterile Processing (CSP)** and **Case Cart Assembly (CCA)** plant, takes the best practices from manufacturing and technology.

The new 33,233-square-foot building replaces the 4,315 feet designated at the medical center. The facility provides sterilized equipment for NMMC, the Women's Hospital, Outpatient Ambulatory Surgery, the Heart Institute's heart catheterization labs and radiology special procedures.

Plans call to expand these services to the community hospitals and clinics affiliated with NMMC in the plant's second year of operation.

"The facility's design prevents cross contamination because of technological advancements, including robotics, and design enhancements such as replacing single door technology with double door technology. We have borrowed ideas from pharmaceutical companies, manufacturing and other hospitals and found those that were the best for us," said Mike Switzer, North Mississippi Health Services vice president for supply chain.

The facility is equipped with airlocks to maintain a sterile environment. Access will be limited to its 24 employees, and those employees only have access to their work areas.

The center's technology includes robotics that load and unload custom-built and fully automated washers.

The facility includes its own reverse osmosis or water purification room. This capability provides pure water that doesn't include any chemicals or minerals. This is ideal for use with stainless steel,

plastics and glass, but can't be used with copper or brass because the purified water is highly corrosive. The purified water is turned into steam by the in-house steam boilers. Steam sterilization is used on items that can withstand high heat temperatures. Plasma sterilization, which is a combination of a gas and electricity, uses low-temperature sterilization on items that can't withstand high temperatures.

A third type of sterilization, ethylene oxide sterilization, is used on implants and other items with plastic surfaces that require low-temperature sterilization.

The employees use bar codes for inventory. The bar codes provide real time updates on inventory and items scheduled for preventive maintenance, and serve as a resource for any products that have been recalled.

After the items are washed and sterilized, they are ready for cart assembly. NMMC will have 150 large and 50 small carts with design modifications specifically for NMMC. The carts are designed to prevent any air or water from penetrating the cart.

Another enhancement made possible by working closely with the manufacturer in the design process was changing the identification system to a color coded system. Each cart has a wheel that can be dialed to one of six colors to correspond with six specific areas in surgery: cardiovascular, general, neurology, orthopedics, plastics and urology.

Urologists, NMMC to Host Conference for Nurse Practitioners

"**Practical Urology for Nurse Practitioners**," a urology conference for area nurse practitioners, will be held from 8:30 a.m.-4 p.m. Friday, June 10, in North Mississippi Medical Center's North Education Center, 830 S. Gloster St.



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MEDICAL CENTER

A monthly newsletter for physicians, certified nurse practitioners
and other health care professionals.

To submit information, call (662) 377-2371.

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Sponsored by NMMC and Urology Professional Association, the conference is free but limited to the first 50 nurse practitioners who register.

For more information or a conference brochure, call the NMMC Education Department at (662) 377-3900 or 1-800-THE DESK (1-800-843-3375).

Take a Swing at Cancer Benefit Golf Tournament Set for May 16

The Health Care Foundation of North Mississippi will sponsor the 15th annual **Take a Swing at Cancer Benefit Golf Tournament** Monday, May 16, at Old Waverly in West Point.

Proceeds benefit the NMMC Cancer Center Patient Assistance Fund, which provides approximately \$200,000 annually for needy patients and their families.

The cost is \$250 per player for the four-person scramble. Golfers who are cancer survivors will receive special recognition during the tournament.

There will be two flights, with registration beginning at 7:30 a.m. and again at 12:30 p.m. An “awards lunch” for the morning flight will be held at 11 a.m. and an “awards dinner” for the afternoon flight at 6 p.m.

Several new amenities have been added this year. For \$99 a golfer can “Stay and Play” – one night stay at Old Waverly and breakfast. Another opportunity is the \$50 “Ultimate Golfer’s Package,” which includes one shot from a ladies’ tee, two mulligans, and an opportunity to win prizes at designated holes. In addition, every golfer’s score will be “no worse than par,” and there will be a silent auction.

The \$250 entry fee includes 18 holes of golf, cart fee, breakfast and/or lunch, registration gift, door prize entry and the respective awards function. Prizes will be awarded for first and second place finishers in both divisions. Each field will have a longest drive and closest to the pin competition. For more information on the Take a Swing at Cancer Benefit Golf Tournament, call (662) 377-3613 or 1-800-THE DESK (1-800-843-3375), or log on to www.nmhs.net/hcf.php and click on “Take a Swing at Cancer.”

NMMC Hospice to Hold Memorial Service May 22

NMMC Hospice will hold a **memorial service and butterfly release** from 2-3 p.m. Sunday, May 22, at

St. Luke United Methodist Church, 1400 Clayton Ave., Tupelo.

This is a time for families who have lost a loved one on NMMC Hospice over the past six months to honor their loved one and be reunited with Hospice staff and volunteers.

Each family will be provided with one butterfly to release during the ceremony. Lee County Sheriff Jim Johnson will be the guest speaker.

Bereavement services include counseling before and after death, practical help with daily living, and referrals to other resources and support groups.

For more information on the bereavement care offered by the NMMC Hospice program or the memorial service, call (662) 377-3612 or 1-800-THE DESK (1-800-843-3375).

Stroke, Other Neurological Patients Invited to Free Screening

NMMC’s Outpatient Rehabilitation Center is offering a unique opportunity for stroke and other patients with neurological impairments to try technology that may benefit them.

Interested individuals are invited to schedule an appointment for free screening between 9 a.m. and 4:30 p.m. Wednesday, May 25, at the Outpatient Rehabilitation Center, located in Longtown Medical Park, 4381 S. Eason Blvd. Physical and occupational therapists will evaluate individuals and consult with their physicians to determine if functional electrical stimulation technology is recommended. For appointment information, call (662) 377-7215 or 1-800-THE DESK (1-800-843-3375).

Hahn Tapped To Lead NMMC-West Point

James W. Hahn of Oxford has been named administrator at NMMC-West Point.

Hahn was most recently affiliated with Delta Health Alliance in Stoneville. From 2000-2008 he served as president and chief executive officer for the Healthcare Authority of Decatur/Morgan County in Alabama. He previously served as chief executive officer for Baptist Memorial Hospital-North Mississippi, having worked in leadership roles at the Oxford hospital from 1990-2000. He began his health career as assistant administrator and director of business development for Oktibbeha County Hospital in 1986.



A 1976 graduate of Columbia High School, Hahn earned bachelor's and master's degrees in business administration from the University of Mississippi in Oxford.

Introducing Veriphy: A Critical Results Communication System

To improve service to clinicians and demonstrate compliance with The Joint Commission communication guidelines, NMMC has partnered with **Veriphy**, a new patient safety communication system designed to ensure that diagnostic findings reach the ordering clinician promptly to improve patient safety, and enhance timely and reliable clinical communication. This will substantially reduce the medical liability risk for all providers.

Preferences and needs of recipient clinicians have been balanced with constraints imposed by The Joint Commission and HIPAA regulations. The Veriphy system satisfies the requirement of acknowledged receipt of critical results while allowing maximal notification flexibility for ordering clinicians. The NMMC Radiology Department will begin utilizing Veriphy to communicate critical findings on May 16.

The notification is determined by physician preference which can consist of the following:

- Alpha/numeric pager
- SMS text
- Outbound telephone call to a non-truncated line (back office line)
- FAX

The fail safe is notification to Radiology with additional follow up.

IRB Approves, Renews Studies

The NMHS Institutional Review Board (IRB) currently oversees more than 90 biomedical and behavioral studies. The IRB meets monthly and the following studies were approved and renewed at the April meeting.

New Studies

Study: *A Randomized, Double-blind, Phase III Efficacy and Safety Study of PF-00299804 versus Erlotinib for the Treatment of Advanced Non-small Cell Lung Cancer following Progression after, or Intolerance to, at Least One Prior Chemotherapy (A7471009)*

Investigators: Christopher Croot, M.D. (PI); Hematology and Oncology Associates

Summary: The purpose of this study is to compare the good and bad effects of PF-00299804 with

erlotinib when given as treatment to patients with advanced non-small cell lung cancer who have had at least one prior chemotherapy regimen.

Study: *ORBIT II – Pivotal Trial to Evaluate the Safety and Efficacy of the Diamondback 360° Orbital Atherectomy System in Treating De Novo, Severely Calcified Coronary Lesions (CP-2009-001)*

Investigators: Barry Bertolet, M.D. (PI); Cardiology Associates of North Mississippi

Summary: The purpose of this study is to measure how the Orbital Atherectomy System performs and how safe it is when used to treat blockage in the coronary arteries.

Study: *A Randomized, Double-blind, Parallel-group, Placebo- and Active-Calibrator Controlled Study Assessing the Clinical Benefit of SAR153191 Subcutaneous on Top of Methotrexate in Patients with Active Rheumatoid Arthritis who have Failed Previous Tumor Necrosis Factor-alpha (TNF-a) Antagonists (ACT11575)*

Investigators: Charles King, M.D. (PI); IMA-Tupelo Rheumatology and Osteoporosis Center

Summary: The purpose of this study is to determine whether SAR153191 is effective and safe compared to placebo in reducing the signs and symptoms of rheumatoid arthritis.

Study: *A Clinical Outcomes Study to Evaluate the Effects of IL-6 Receptor Blockade with Tocilizumab (TCZ) in Comparison with Etanercept (ETA) on the Rate of Cardiovascular Events in Patients with Moderate to Severe Rheumatoid Arthritis (WA25204)*

Investigators: Charles King, M.D. (PI); IMA-Tupelo Rheumatology and Osteoporosis Center

Summary: The purpose of this study is to compare the effects of tocilizumab (TCZ) compared to etanercept (ETA) on the occurrence of cardiovascular illnesses, including heart attacks, strokes and death related to cardiovascular disease.

Study Renewal

Study: *Randomized, Double-blind, Parallel-group Study of Cardiovascular Safety in Osteoarthritis or Rheumatoid Arthritis Patients with or at High Risk for Cardiovascular Disease Comparing Celecoxib with Naproxen and Ibuprofen (A3191172)*

Investigators: Charles King, M.D. (PI); IMA-Tupelo Rheumatology and Osteoporosis Center

Summary: The purpose of this study is to assess the effects of long-term use of celecoxib compared to ibuprofen and naproxen on cardiovascular, gastrointestinal and renal safety. Enrollment is open.





Continuing Medical Education

The CME Program is based in the NMMC Education Department and works to provide quality educational programming that will meet general as well as specific professional needs. Please call (662) 377-3826 or the Consult Line at 1-800-952-8101 if you have CME comments and/or suggestions. Select CME programs are by invitation only and are also subject to change. **Please RSVP upon receipt of invitation.** Visit www.nmhs.net/physicians_portal/cme.php for more information.

May 6

2011 Gum Tree Family Medicine Review

8 a.m., NMMC North Education Center Auditorium
CME credit will be issued.
For more information or to register call (662) 377-3900
or visit www.nmhs.net/physicians_portal

May 13

2011 Orthopaedic Symposium

8 a.m., NMMC North Education Center Auditorium
CME credit will be issued.
For more information or to register call (662) 377-3900
or visit www.nmhs.net/physicians_portal

May 17

Crucial Conversations Day 1

8:30 a.m.-4:30 p.m. NMMC North Education Center
Call (662) 377-3070 for more information or to register.

May 19

Medical Ethics Committee

Health in Mississippi and the Ethical Impact on Health Care
Mark Williams, M.D., NMHS Chief Medical Officer
7:30 a.m., NMMC North Education Center

May 20

Neuro/Radiology Case Studies

1 p.m., NMMC North Education Center Room 7/8
Hunt Bobo, M.D, and Robert Becker, M.D.

May 21

Mississippi Health Care Alliance

8 a.m.-2 p.m. Baptist Memorial Hospital Desoto
Call (662) 377-3826 for more information.

May 24

Crucial Conversations Day 2

8:30 a.m.-4:30 p.m. NMMC North Education Center
Call (662) 377-3070 for more information or to register.

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