

New Randolph Cancer Center thriving with Elekta Impac Software workflow solutions

A new high-tech cancer center deserves a new high-tech workflow, one that does away with most paper from the start and enables seamless communication between virtually every system involved in the patient's care.

The Randolph Cancer Center, a joint venture between Randolph Hospital and Moses Cone Health System, is a sophisticated, comprehensive cancer center that opened in its new location in October 2008. A seamless, integrated and paperless workflow was seen as a necessity to support the complex and varied services the cancer center provides. These include medical and radiation oncology, hematology and infusion services, supported by an on-site laboratory and a pharmacy. The facility's patient care staff includes radiation and medical oncologists, radiologists, surgeons, pathologists, nurses, therapists, dieticians, social workers and pastoral care staff.

The Randolph Cancer Center chose medical and radiation oncology solutions and system interfaces from Elekta Impac Software to make that seamless, integrated environment a reality.

Medical center partners in cancer center formation

Randolph Hospital began over a decade ago to build an array of MEDITECH (Medical Technology, Inc.) and third party software applications to streamline its medical oncology operations. It started with billing software, then over the next 10 years added laboratory, pathology, pharmacy, radiology and charting systems.

For its medical oncology practice, Moses Cone Health System had been using Multi-ACCESS® oncology management system, the predecessor of MOSAIQ®, to which Moses Cone recently migrated. "Our decision to go with MOSAIQ was based on not only the equipment we purchased but also due to the recommendations from our partners at Moses Cone's Wesley Long Cancer Center," stated Stacey Bannister, Executive Director for the Randolph Cancer Center.

The partnership between Randolph Cancer Center and Moses Cone's Wesley Long Cancer Center allowed the adoption of the top-line capabilities of both medical centers, with the addition of radiation oncology treatment services, for which the center acquired an Elekta Synergy® system and a GE CT simulation unit, in addition to treatment planning software from Elekta CMS Software. To address this new level of complexity, officials were counting on MOSAIQ oncology information management systems for both radiation oncology and medical oncology to streamline workflow. The challenge was an aggressive implementation timeline of just three months from the date of the Elekta Randolph contract signing. The task would involve not only integrating the MOSAIQ systems, but also creating interfaces between MOSAIQ and the MEDITECH applications residing on Randolph Hospital's network.

Customer Snapshot

- **Location**

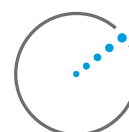
Asheboro, North Carolina, USA

- **Center Type**

Comprehensive Medical and Radiation Oncology Center

- **Clinical with Elekta Impac Software**

2008



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“We needed to accommodate hospital laboratory results in addition to reference labs and comments,” said Ms. Bannister. “The challenge was that we had only a short time for testing. Our IT analysts spent a great deal of time to ensure that paper and electronic results were consistent, which was a little more work at the front end but increased success in the long run.”

The cancer center had the assistance of Elekta’s STRATEGIQ™ consultative services, which provided Elekta professionals who audited the center’s proposed workflow and designed specific process changes to optimize patient and clinical workflows to gain data collection efficiency in connection with the MOSAIQ integration.

“Through STRATEGIQ services, we have a plan specifically tailored to our unique operation, this allowed the Elekta training staff to help us hit the ground running,” she said. “The Elekta team that worked on the MOSAIQ integration and ADT and lab interfaces was wonderful and instrumental in our successful project.”

The Cancer Center’s staff along with the IT system analysts spent the next 90 days building the new information management infrastructure; creating communication links between the treatment system and CT simulator, Randolph Hospital’s MEDITECH billing software, and third-party cancer registry. In addition, they worked to produce HL-7 compliant external systems interfaces between Randolph Hospital’s ADT and laboratory systems. This would allow import/export of lab results from MEDITECH to MOSAIQ, charge export from MOSAIQ to MEDITECH, and ADT import from MEDITECH to MOSAIQ.

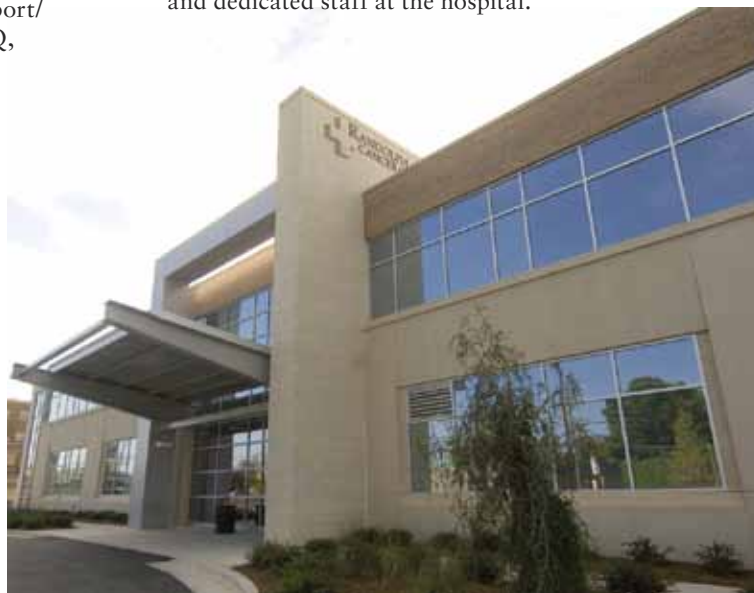
High-tech center opens with high-tech workflow

On October 1, 2008, Randolph Cancer Center officially opened, fully equipped to provide medical and radiation oncology services and in a completely integrated MOSAIQ oncology information management environment.

“We opened right on schedule with a customized workflow that supports our processes and functions seamlessly,” Ms. Bannister said. “Furthermore, we were virtually paperless from the start—we even received faxes as images. Currently, the only paper used is for patient treatment consent forms and some billing forms. We plan to eliminate even those paper forms in the future, which also supports our efforts to ‘go green.’”

Randolph Cancer Center physicians readily accepted the integrated treatment/information workflow, according to Ms. Bannister. “Depending on their security level, all physicians and staff can access MOSAIQ remotely. With access available from virtually anywhere, physicians can sign off on outstanding labs and dictations and can enter orders.

All orders must be entered into MOSAIQ, including medications, radiation therapy, PET scans and home health aide and hospice orders. This level of control would not have been possible without the close integration of existing hospital systems with MOSAIQ and the careful attention to workflow and dedicated staff at the hospital.



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