



BITS AND BYTES

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A Newsletter from the UCHC Information Technology Department

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Third Innovations in Education Symposium a Big Success

To paraphrase Wayne Gretsky, medical education should “skate to where the puck will be in 2020.” With these provocative opening comments by keynote speaker Dr. Charles Friedman, Director of the Health Informatics Program at the University of Michigan’s School of Information and Public Health, the third Innovations in Education Symposium was launched on April 24th. Dr. Friedman went on to discuss the informational future with the ever-expanding healthcare knowledge cloud as well as ubiquitous electronic health record systems and data, and the implications these trends will have for training the next generation of medical, dental and graduate students.



Dr. Charles Friedman

Billed as “a forum for communication and sharing of innovative approaches to use of technology in education,” this year’s Symposium definitely lived up to expectations. From a stimulating overview of 3-D, gaming, interactive e-texts, and other upcoming educational technology by Khamis Abu-Hasaballah, AVP, IT Research Informatics, to an entertaining presentation of a role-play lecture alternative, Dental Drama, by Dr. David Newitter, Associate Professor, Reconstructive Services, the afternoon provided a lot of food for thought relative to imaginative new technology to support enhanced learning.

Winner of the award for Most Innovative, 4th year medical student Dan Henderson regaled the crowd with his use of Prezi, the cloud-based zoomable presentation software, to tell the story of his successful use of mobile apps to improve patient safety.

Dr. Angela Kueck, Assistant Professor, Obstetrics and Gynecology, won the Best Presentation award for her presentation on a pilot program in OB/GYN incorporating simulation in surgical training. Noting that the trends to minimally invasive procedures and use of robotics for surgery have changed the more hands-on experiences previously available to medical students and residents, Dr. Kueck discussed the creative ways that gap can be filled with simulation technology and robotic device educational experiences.

A mid-afternoon break allowed participants to view digital posters in the Academic Lobby. Karen Harrington, M.S.W., Assistant Professor, Community Medicine and Healthcare, won the award for Best Poster with her thoughtful presentation of what student logs are telling us relative to the SCP program.



Karen Harrington

This year’s symposium was in development for several months, supported by a committee of deans and faculty from the Schools of Medicine and Dental Medicine and the Graduate School, and staff from Faculty Instructional Technology Services. The success of this year’s event was summarized by Evelyn Morgen, Library Director, who noted, “The speakers were all excellent and everyone I spoke with felt they learned new things and came away with exciting new ideas.”

For more information on this year’s program, please click on this link: <http://fits.uchc.edu/symposium/index.html>



**UConn
Health
Center**

New Chemo Ordering System Improves Patient Safety



Chemo Ordering System, or COS, is a new tool which was recently introduced in the UCHC Cancer Center to facilitate production of easy to read printed chemotherapy orders that support approved treatment protocols which will result in improved patient safety. Additionally, manual processes and paper workflows will now be simplified because pre-processes such as insurance pre-certification and pharmacist reviews can be performed by viewing the 'unsigned' order online. While this is a major improvement over the earlier Excel based orders solu-

tion, COS was designed as an interim solution until a full clinical paperless EMR is implemented.

Development of COS involved a close, almost year-long collaboration between IT, Clinical Informatics and key stakeholders whose support was needed to ensure successful solution delivery. This included Pharmacy staff, Cancer Center Nurses, APRNs, Physicians and other support staff who defined their solution needs and who also expended an enormous amount of effort building, reviewing and testing the more than 600 national standards compliant orders sets which were required for the system to go live.

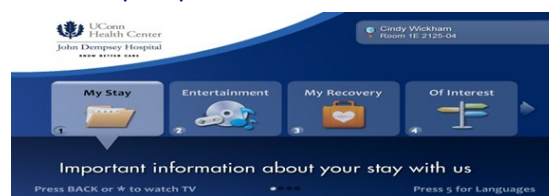
For more information, please contact Ingrid Napoletano at x4756 or Nancy Senick at x4789.

UCHC Television Technology Takes a Leap Forward

A new flat panel interactive TV system will soon be coming to the Farmington campus. After much research, design and competitive bidding work, the IT Biomedical Communications team is happy to announce UCHC's old failing basic patient TV service is being replaced with a new state of the art system offered by LodgeNet Healthcare. The new system provides the technology foundation needed to deliver many of the future patient specific capabilities that are a part of our new hospital and ACC design. Besides delivering access to digital entertainment, it will allow future integration to patient care schedules, test results, appropriately tailored educational videos, patient service feedback systems, online dietary ordering and more, all with multi language supported on-screen menus.

The system will feed the entire UCHC complex including MARB, Munson, FarmTech, and 21 South Road and will be installed in a number of hospital patient treatment areas that currently lack this service such as ED, Cancer Infusion and Cath Lab rooms. LodgeNet began system installation at the end of April, with completion expected later this summer.

For more information, please contact Bill Hengstenberg at x2416.



Curriculum Mapping Solution Delivered

One of the requirements of LCME, the national accrediting body for medical schools, is for the school to be able to demonstrate how they track and ensure the efficacy of the curriculum design to meet specific medical education requirements. In collaboration with staff from the Home Office for Medical Education, IT staff supported the identification and evaluation of suitable system solution options.

Several products were subsequently assessed against a variety of business and technical requirements. On the basis of those assessments, the One45 Curriculum Mapping System was purchased. In less than two months, the contract was finalized, the required procurement compliance processes were complete and the solution was implemented and ready for business use in time for the 2012 LCME visit at the end of February.

For more information, please contact Claudette Shalagan at x4706.

IT Moves Quickly to Support Cardiology Service Expansion

After first learning of the business decision to open an additional outpatient cardiology treatment center at 11 South Road in late 2011, an IT project team was quickly assembled to address a myriad of technology deployment needs that would be required for the office to successfully operate. Over the next few months this cross functional team worked under the guidance of IT Project Manager Claudette Shalagan to accomplish all the necessary work. Their efforts ranged from planning and adding network infrastructure components, purchasing and installing new hardware equipment (workstations, printers, wireless devices, phones, etc.) and even the development of some necessary software changes.



It was an amazing team effort which culminated in the successful opening of the new 11 South Road Calhoun Cardiology Center on March 26th. The center is now in full operation offering UCHC's award-winning services and state of the art care for all types of heart diseases and disorders.

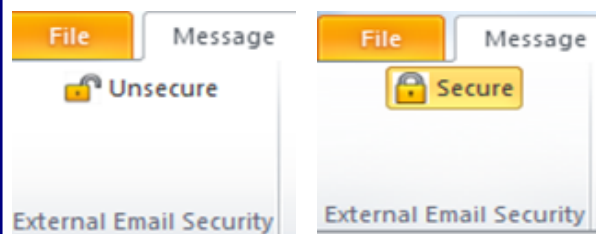
For more information, please contact Claudette Shalagan at x4706.

HIPAA Compliance Improvement for External Email

A new UCHC policy along with a much easier method of sending secure email messages containing Patient/Research participant personal information to external recipients will soon be made available to all UCHC users. This will replace the old UCHC Physician Secure Messaging system, which will be disabled when the new method is deployed.

On a seemingly routine basis, the media is reporting on another medical facility or provider organization incurring a significant monetary fine and damage to their reputation as a result of an inadvertent public disclosure of personal patient data protected by HIPAA. This is a serious concern and one that the IT department has worked diligently to address through creation of appropriate policies and tools.

Use of the new email encryption method requires nothing more than a simple click of a lock icon that will be located on the Outlook toolbar labeled "**External Email Security**." This icon will be automatically added to all UCHC Outlook email accounts.



To view the new policy, 2012-01 Email Communication with Patients/Research Participants, please click on: http://policies.uchc.edu/policies/policy_2012_01.pdf

For more information, please contact Tom Murphy at x2295.



ABOUT BITS AND BYTES

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