

PRESS RELEASE

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Clinical CT lung screening: Learn how to do it...well with MeVis Medical Solutions and Lahey Hospital & Medical Center!

MeVis Medical Solutions AG and Lahey Hospital & Medical Center launch virtual CT lung screening academy designed to train radiologists and other members of the lung screening care team about current guidelines, reporting standards, and interventional techniques.

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Background: Lung cancer is the number one cancer killer in the United States, causing more deaths each year than breast, colon, pancreas and prostate cancers combined. The National Lung Screening Trial proved that CT lung cancer screening (LCS) can reduce deaths due to lung cancer by at least 20% in individuals at high-risk. The resulting endorsement of LCS by the United States Preventive Services Task Force means that millions of high-risk Americans will be granted insurance coverage for annual LCS beginning in 2015. “Hundreds of CT lung screening programs will be required throughout the United States to meet this oncoming demand. Organizations providing screening services should consider establishing an internal credentialing process for those radiologists interpreting the exams to ensure they are up to date with current guidelines and reporting standards.”, explains [Brady McKee MD](#), Section Head, Thoracic Imaging Radiology, [Lahey Hospital & Medical Center](#) (LHMC) in Burlington/Massachusetts, USA, and co-founder of the hospital’s “Rescue Lung, Rescue Life” CT lung screening program. LHMC launched their CT lung screening program in January 2012, and developed Lung-RADS™, a lung imaging structured reporting and data system, to interpret and code exams. Lung-RADS helps standardize radiology interpretations and facilitates results communication and tracking, radiologist training, quality control, and research. The American College of Radiology subsequently adopted Lung-RADS™ and recommends its use for CT lung screening exam interpretation, quality metric calculation, and national registry participation.

Virtual CT lung screening academy: The new interactive online learning platform developed by medical software specialists [MeVis Medical Solutions AG](#) in Bremen and the multidisciplinary Rescue Lung, Rescue Life team at LHMC is packed with

expert medical know-how and over 100 real CT lung screening cases, to help imaging organizations and individual radiologists meet this major education challenge.

Real cases and hands-on functionality combined for effective online training

To help radiologists quickly learn to apply Lung-RADS to the wide variety of scenarios which may be encountered over time in a clinical CT lung screening program, LHMC has compiled over 100 actual clinical cases and matching real radiology reports in the MeVis Online Academy including both negative and positive imaging exams. The MeVis Online Academy simulates a real world reading environment on regular, consumer grade computers so users may review exams with all the tools typically available on a diagnostic radiology workstation. A reporting tool is available to identify findings, create a structured report and give a Lung-RADS™ overall exam assessment and follow-up recommendation for each case. Users can click on actual findings to get pathologic results where available. In addition to the cases, fifty multiple choice questions covering Lung-RADS and other CT lung screening topics are available. Results from the cases and the multiple choice questions are used to generate a report available for individual learners to document their efforts and to present for internal institutional credentialing purpose where applicable.

Beyond case collections

To prepare for the cases and questions, a comprehensive series of lectures are made available covering a variety of topics including CT lung screening risks and benefits, education campaigns, program initiation and operation, Lung-RADS reporting, radiation considerations, and diagnostic interventions. This turns the lung academy at MeVis Online Academy into an effective learning tool not only for radiologists but also for professionals from other associated medical disciplines and for lung screening program managers and affiliated health personnel.

MeVis Online Academy is available, on a per-license basis, to individuals and organizations. Registration and payment is all online and no more complicated to complete than a typical online purchase. This intuitive, web-based application requires no installation and works on broad-band internet connected, consumer-grade computers. "I wish I had had this kind of flexible and powerful learning tool at

my disposal when we first started our CT lung screening program”, outlines Dr. McKee. “I recommend it to all institutions establishing internal radiologist credentialing standards and any member of the lung screening care team interested in a convenient and comprehensive CT lung screening learning environment.”

“We are launching Lung Academy at RSNA 2014”, explained Jan Woetzel, Product Manager, MeVis Medical Solutions AG. “This online offering will be available to professionals world-wide.”

Registration for free preview of MeVis Online Academy

academy.mevis.de

About Lahey Hospital & Medical Center

www.lahey.org

About MeVis Medical Solutions AG

www.mevis.de

Meet MeVis Medical Solutions AG at RSNA 2014

[Booth booth 2965-F, in hall A, South Building, German Pavilion](#)

www.rsna.org

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MeVis Medical Solutions AG was founded in 1997 and is one of the world's leading independent developer and provider of medical imaging software with focus on dedicated, disease-oriented clinical applications. MeVis AG has been listed on the Frankfurt Stock Exchange in the Prime Standard segment of the Regulated Market since November 16, 2007.

Over the past few years, there has been an enormous increase in the complexity and volume of medical imaging data derived from diagnostic imaging processes such as digital mammography, computed tomography (CT), magnetic resonance imaging (MRI), and ultrasound (US). MeVis' products analyze and process this data in such a way as to provide medical professionals with crucial information for early detection, diagnosis and intervention in the areas of cancer and lung diseases as well as neurological disorders. The Company develops its software solutions in close consultation with world's leading medical experts and original equipment manufacturers (OEM) in the medical technology sector and primarily markets this software via these partnerships.