Imaging Expansion Project

Greg Borkowski, MD, (GL-1 ’72, IM ’74, DR ’79), Chairman of the Imaging Institute, in collaboration with Anshen + Allen, a San Francisco based architectural firm specializing in the design of medical facilities, has begun a master plan consisting of five phases of expansion and renovation of the Imaging Institute.

Phase 1A of the Expansion Project is complete and includes an interventional MRI suite plus the appropriate induction and recovery space. The Interventional MRI suite has been operational since April 2010.

Phase 1B is about to start and will consolidate many of our MRI units now housed in A, G and L buildings into the lower level of the Glickman building. The programmatic consolidation includes 7 MRI vaults, 5 integrated patient preparation and recovery bays, and 2 induction suites that share resources with the IMRIS Intra-operative MRI suites. It also provides space for the new hospital entrance, patient waiting area, and outpatient clinical exam and consultation rooms for the Imaging Institute.

Phase 2 is in the planning phase. Construction is expected to begin early 2011.

Interventional MRI Suite

Cleveland Clinic has developed, installed and established training for an interventional MRI suite attached to a conventional operating room. The MRI machine is suspended from the ceiling and moved into the operating room when needed. The MRI machine is utilized for conventional diagnostic studies when it is not needed for interventional procedures. This facility is initially being utilized for intraoperative guidance of a variety of neurosurgical procedures, including but not limited to placement of stereotactic EEG electrodes, placement of deep brain stimulators and laser ablation therapy for intracranial neoplasms.

The interventional MRI suite can be utilized as a conventional operating room until image guidance is needed. At that point, the MRI machine can be moved into the operating room to image the patient. When imaging is complete, the MRI machine is withdrawn and utilized in the adjacent room for routine imaging.
Center for Radiology Education and Imaging Library

A key educational initiative of Drs. Borkowski and Einstein is the Center for Radiology Education and Imaging Library. Recently, we asked the Radiology alumni to support our Radiology Education and Imaging Library Fund that provides financial support for electronic library materials. So far, we received about $2800 from eight donors. The Imaging library is designed to provide easy access of electronic based journals and suggested textbooks listed from all sections of Radiology Residency program. The electronic textbook library materials can be shared among the Cleveland Clinic Imaging staff, residents and fellows anywhere anytime. We have all been fortunate in our educational experience; and as an alumnus, this financial contribution towards the Imaging Library fund will help provide support to the Radiology residency and fellowship programs. Thank you for your support and interest in residents’ education.

You can view the recent letter from Dr. Borkowski as well as the Center for Radiology Education and Imaging Library pledge form below.

Letter -

Pledge Form –

Cleveland Clinic’s Imaging Institute is presenting the following CME course:

Best In Practice: Improving MR and CT Imaging
Caesar’s Palace
Las Vegas, NV
October 13–16, 2010
Course Director: Scott D. Flamm, MD
This activity has been approved for 20 AMA PRA Category 1 Credits™

This program is designed for physicians, physician trainees, and technologists, and is sponsored by Cleveland Clinic’s Imaging Institute. This three-day program provides an in-depth review of the physics of both MRI and CT, and includes focused presentations emphasizing the spectrum of clinical applications. In addition, the recognition of common imaging artifacts, along with their solutions, and approaches to image and protocol optimization for both MRI and CT will be included.

The Cleveland Clinic Foundation Center for Continuing Education is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians. The Cleveland Clinic Foundation Center for Continuing Education designates this educational activity for a maximum of 20 AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity. Participants claiming CME credit from this activity may submit the credit hours to the American Osteopathic Association Council on Continuing Medical Education for Category 2 credit.

Register online www.ccfme.org/BestInPractice10.
2010 Radiology Residents’ Graduation

The Class of 2010 Senior Radiology Resident Graduation Dinner was held at the Ponte Vecchio on June 3, 2010. Cleveland Clinic’s Class of 2010 Radiology Residents included:

- Brian C. Allen, MD – Fellowship, Body Imaging - Duke University
- Sharukh Bhavnagri, MD – Fellowship, Mammography - Cleveland Clinic
- Tadesse Eshetu, MD – Fellowship, Neuroradiology - University of Maryland
- Ali Esmaill, MD – Fellowship, Mammography - Cleveland Clinic
- Amy Kao, MD – Fellowship, Musculoskeletal - UCSF
- Sriram Mannava, MD – Fellowship, Musculoskeletal - Cleveland Clinic
- William Pelton, MD – Private Practice - Springfield, Mo
- Aaron Wyse, MD – Fellowship, Musculoskeletal - Cleveland Clinic

Visit us online at clevelandclinic.org/radiologyalumni.
Submit your announcements or photos to radiologyalumni@ccf.org.
Save the Date Summer Events

Welcome Golf Outing and Dinner Party for new First Year Radiology Residents and Fellows
Hosted by Dr. Pauline Kwok
Saturday, August 7, 2010
Golf Outing – 2:00pm
Dinner Party – 5:00pm

All faculty, alumni, fellows, residents, program coordinators, spouses/significant others, and children are welcome. The optional golf outing is $20 for Legacy 9 holes of golf (cart included). View additional details about this event at http://my.clevelandclinic.org/Documents/Radiology/2010WelcomePartyInvitation.pdf.

RSVP - Sylvia Zavatchen at dred@ccf.org or 216.444.2136

17th Annual Welcome to Cleveland Goodtime Cruise
Cleveland Clinic Alumni Relations proudly sponsors this event
Sunday, August 15, 2010
6:30 – 9:30pm

All residents, fellows, researchers, medical students, staff, alumni and their guests are cordially invited to attend our annual Goodtime Cruise and to welcome our new residents, fellows and medical students. Spots are limited and the event has sold out for ten consecutive years. View additional details about this event at http://my.clevelandclinic.org/Documents/Radiology/GoodtimeFlyer2010.pdf.

Tickets are:
$20/pp– Residents/Fellows/Med Students and Guests
$25/pp– CCF Alumni/Staff and Guests
Adults 18 and older - sorry no children.

RSVP - Ellie at 216.445.6961 or Marilyn at 216.444.2487

Radiology Alumni Mentoring Program

Based on our radiology residents’ popular request for a Radiology Alumni Mentoring Program, a survey will be sent out to you this summer, so that a list of alumni interested in mentoring and networking can be created. The Radiology Residents would like to seek your advice on fellowship training and career choices in such areas as private practice, academics, and research in various geographic locations. Please show support and guidance of our radiology residency program trainees and nurture our newest radiology alumni.

To learn more about the Cleveland Clinic Radiology Residents, please visit http://radresidents.ccf.org/.
Cleveland Clinic Imaging Institute’s Section of Pediatric Imaging provides comprehensive services to assist in diagnosing disorders in children. These services range from plain film radiography to CT, PET/CT, MRI, fetal MRI, ultrasound, fluoroscopy and interventional procedures.

Underscoring its leadership position, the section has introduced the first dedicated pediatric MRI unit fully supported by pediatric anesthesiology. The consistent availability of sedation in a stand-alone facility for a defined patient population significantly advances the efficacy and quality of pediatric care.

For the last eight years, the section has committed to lowering the radiation dose for children undergoing CT, thus placing it at the forefront of the ongoing Image GentlySM campaign of the American College of Radiology and the Society for Pediatric Radiology. Section members strongly endorse the campaign and advance its goals not only in practice, but through research on radiation dose reduction in CT.

Pediatric Imaging works closely with the Department of Pediatrics and pediatric subspecialists to provide timely, accurate and effective diagnosis and treatment. All members of the section are board-certified in diagnostic radiology, with the certificate of added qualification in pediatric radiology. They interpret images in all modalities and also perform imaging-guided interventional procedures, including biopsies and drainages.

Education is a primary component of the Pediatric Imaging mission, as demonstrated by staff development of the world’s most comprehensive web-based resident curriculum. Almost every radiology training program in the United States and programs in 45 countries around the world use this valuable teaching tool. The section continues to introduce new online learning tools, update and expand the program’s content, and broaden the reach of its web-based training.

Active areas of research include web-based clinical simulation, low-dose CT, and optimization of magnetic resonance imaging for pediatric bowel and liver disease.

Janet Reid, MD, Head, Section of Pediatric Radiology, and six other pediatric radiologists pursue educational and professional initiatives regionally and nationally. Their ranks include the course coordinator for anatomy instruction at Cleveland Clinic Lerner College of Medicine and the director of the pediatric instructional course for the American Roentgen Ray Society. In addition, they serve as faculty for review courses and serve on the continuing medical education committee of the American Roentgen Ray Society and the American College of Radiology. All are active members of the Society for Pediatric Radiology.

To learn more about the Section of Pediatric Radiology, visit clevelandclinic.org/pediatricradiology.
The Imaging Institute’s 2009 annual holiday party was held at Casa di’Borally on December 12, 2009. Radiology staff, residents, fellows, program coordinators, and their guests were invited to attend. There were over 400 attendees at the event.

Save The Date - 2010 Imaging Institute Holiday Party

Please join the Imaging Institute on Saturday, December 11 from 6:00pm – midnight. The event will be held at Casa di’Borally. Radiology staff, residents, fellows, program coordinators, and their guests are invited to attend. The cost is $10 per person, which includes family style dinner, dessert and wash. More information will be available at clevelandclinic.org/radiologyalumni.
Mark Your Calendar

Join us for an outstanding CME Alumni Reunion Program and to tour the newly opened Cleveland Clinic Lou Ruvo Center for Brain Health.

Hot Topics in Healthcare
September 24-25, 2010
Las Vegas, NV
This activity has been approved for 5.25 AMA PRA Category 1 Credit™

In lieu of the RSNA Radiology Alumni Reception in Chicago this November, Cleveland Clinic Radiology Alumni are encouraged to attend the Cleveland Clinic CME Alumni Reunion Program, Hot Topics in Healthcare, this fall. The event will be held September 24-25, 2010, immediately following Cleveland Clinic’s Heart-Brain Summit in Las Vegas at the newly opened Cleveland Clinic Lou Ruvo Center for Brain Health. Michael Modic, MD, (GL-1 ’76, DR ’78, NR ’79), Chairman of the Neurological Institute, will be a featured presenter on the CME/Alumni program. He will be presenting on imaging and telehealth diagnosis. On-line registration will be available in mid-June. Space will be limited, so please register early.

This course is designed for physicians and surgeons to provide a state-of-the review of the latest developments in clinical practice. A series of lectures by experts in the field will describe the field will describe the pathophysiology, evaluation and new innovative therapies for common medical problems.

The Cleveland Clinic Foundation Center for Continuing Education is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians. The Cleveland Clinic Foundation Center for Continuing Education designates this educational activity for a maximum of 5.25 AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Participants claiming CME credit from this activity may submit the credit hours to the American Osteopathic Association Council on Continuing Medical Education for Category 2 credit.

For more information, to view the course brochure, or to register online, visit www.ccfcme.org/AlumniReunionNevada2010.

Did You Know?

Cleveland Clinic Lou Ruvo Center for Brain Health Opens Life Activity Center

The Cleveland Clinic Lou Ruvo Center for Brain Health opened the Frank Gehry-designed Life Activity Center on Friday, May 21. This event signaled the completion of the building, which is dedicated to treating and preventing the disabling symptoms of chronic brain diseases and to prolonging healthy, vital aging in people at risk for dementia or cognitive disorders.

The Life Activity Center is a dedicated space for hosting medical education and other events at the Lou Ruvo Center for Brain Health, a highly specialized clinical center designed to advance the research, early detection and treatment of neurological diseases, including Alzheimer’s, Huntington’s, Parkinson’s and Amyotrophic Lateral Sclerosis (ALS), also known as Lou Gehrig’s disease.

To learn more about the Lou Ruvo Center for Brain Health visit clevelandclinic.org/brainhealth.

Visit us online at clevelandclinic.org/radiologyalumni.
Submit your announcements or photos to radiologyalumni@ccf.org.
Cleveland Clinic launches a new mobile website

On 4/19/10, Cleveland Clinic launched a mobile version of clevelandclinic.org to give patients and visitors with mobile phones easy access to finding doctors and other important information.

The mobile site (m.clevelandclinic.org) offers a simple-to-use interface for streamlined access to information. It allows users to:

- Search for doctors and specialists by name, location or department.
- Find information on parking, hours of operation and directions for 80 facilities that provide Cleveland Clinic services, including regional, national and international locations.
- Access a system-wide phone directory, as well as listings of amenities, including free shuttle buses and restaurants.
- Look up terms in a medical dictionary.

The new mobile site is designed to work on web-enabled phones, including Blackberry, iPhone, Droid and Windows Mobile. Users can access the Cleveland Clinic mobile site directly at m.clevelandclinic.org, or they will be automatically redirected to the mobile site from www.clevelandclinic.org when you enter the URL into their mobile phones.

To learn more about our new mobile website visit clevelandclinic.org/mobile.

Cleveland Clinic is very active in the social media world. We have a significant presence on Facebook, Twitter, YouTube and LinkedIn. Check out our pages at the links below:

Facebook (http://www.facebook.com/ClevelandClinic)
Check out the Cleveland Clinic Facebook page to find out what people are saying and become our fan.

Twitter (http://www.twitter.com/ClevelandClinic)
Follow us on Twitter to receive updates on news from Cleveland Clinic, as well as links to media coverage from around the world and previews of upcoming media stories.

YouTube (http://www.youtube.com/ClevelandClinic)
Our YouTube page offers online health and wellness videos. We are continuously uploading new videos that highlight a broad range of useful subjects to educate viewers on smart decisions and positive wellness-oriented activities to maintain and enhance health.

LinkedIn (http://www.linkedin.com)
Take the opportunity to network with current and former Cleveland Clinic colleagues through the Cleveland Clinic LinkedIn group.

CME Facebook & Twitter (www.ccfcme.org/facebook & http://twitter.com/cleveclinic_cme)
The Cleveland Clinic Center for Continuing Education also has Facebook and Twitter pages to increase awareness of educational opportunities. Did you know that we now have more than 300 FREE online CME activities? This is more than any other academic medical provider Do you want to make sure you know about upcoming live courses in your specialty? Follow us on either Facebook or Twitter to keep up with the latest CME course offerings.