

THIS ISSUE: Clinical Decision Support | Self-scheduling imaging on MyChart
New Radiology Modality Grid | New MRI Technology in NICU | Expanded Pediatric Surgery in Guilford
Virtual Pediatric Events | COVID Informational Town Hall | Pediatric Dermatology

RADIOLOGY AND BIOMEDICAL IMAGING UPDATES

Clinical Decision Support

Clinical Decision Support was introduced in the fall of 2019, and as of January 1, 2021, ordering physicians must consult Appropriate Use Criteria when ordering outpatient advanced imaging. This includes CT, MRI, PET and Nuclear Medicine for Medicare patients. All imaging providers across the country are required to adopt this change.

To help clinicians comply with this CMS legislation, YNHHS has integrated a clinical decision support tool into Epic and provided access to a web-based tool, Care Select for non-Epic users.

When placing these high-tech imaging orders in the EMR, the system will send those exams to National Decision Support Company, our third-party vendor, for review and scoring based on Appropriate Use Criteria (AUC). When the score of the originally placed high-tech imaging exam falls below a certain threshold, the system will find and suggest alternate exams that may be more appropriate for the patient.

For non-Epic users, once registered, physicians enter a patient's information into Care Select and obtain a unique decision support number to be used as verification.. This number needs to be included when making a referral, either electronically or on our YNHHS radiology requisitions.

A list of frequently asked questions is available from your physician liaison, or visit www.cms.gov for more information.

Self-schedule X-rays on MyChart

Many things have changed during COVID-19, but we're still here for you. If you order an X-ray or another radiology test such as a screening mammogram or CT scan, Yale New Haven Hospital offers advanced imaging services at convenient locations.

All general X-ray requests should be scheduled in advance, and a physician Epic order or requisition form is required. Patient can call Radiology Central Scheduling at 203-688-1010 or 833-772-0003 (7 am to 7 pm daily) to schedule their imaging exam.

As an alternative option to calling our appointment line, patients registered with MyChart may be able to schedule their own imaging exams online. When you submit the referral order to The Department of Radiology, your patient will receive an email notification to visit their MyChart account and self-schedule for the location and time of their choice from a list of ambulatory sites in their area. Link to locations is below.

<https://www.ynhhs.org/find-a-location.aspx?locs=256>

Self-scheduling is available for all X-rays and screening mammograms and certain targeted ultrasound and CT scans. Other exams (such as

breast ultrasound or diagnostic mammograms) require a call to the scheduling line for appointments. MyChart will allow self-scheduling as appropriate.

MyChart gives Yale New Haven Health System patients secure, online, 24/7 access to portions of their electronic medical record. These patients can see their medical history, most laboratory and test results, appointment information, medications, allergies, immunizations and other health information. They can schedule appointments with their doctors, request or renew prescriptions, pay their bill, and send and receive secure, confidential electronic messages with their doctor's office.

Creating a MyChart account

Patients visit <https://mychart.ynhhs.org> and click on the "Sign up Now" button. Once registered, your patient will be able to view their imaging results within five business days.

New Modality Grid Available on Website

Our last newsletter was accompanied by an updated version of our Radiology and Biomedical Imaging modality grid . It is also being distributed to offices as requested. In addition, it is available online at

https://medicine.yale.edu/diagnosticradiology/patientcare/patients/YNHH%20Radiology%20Modality%20Grid%20%2812.1.2020%29_401376_284_6614_v1.pdf

PEDIATRIC UPDATES

State of the Art Neonatal Technology

The world-class Neonatal Intensive Care Unit (NICU) at Yale New Haven Children's Hospital (YNHCH) is the new home of a state-of-the-art neonatal Embrace MRI which will help provide quicker and safer imaging so that doctors can better detect and manage brain issues in premature infants.

Matthew Bizzarro, MD, professor of pediatrics (neonatal-perinatal medicine); medical director, Yale New Haven Health NICU Network, vice chair of clinical affairs, pediatrics, said, "The Embrace MRI that was recently placed in our NICU is specifically designed for the newborn population and is only the second in operation in the United States, and the third in the world. Advances in obstetric and neonatal care have resulted in survival of a more medically complex NICU population, particularly those born extremely premature. This population is highly fragile, which greatly limits the ability to safely transport them off our unit."

The addition of the new MRI scanner reflects many of the goals of Yale New Haven Health System and provides for safer care for some of the smallest patients. Dr. Bizzarro explained, "The Embrace MRI is emblematic of the new NICU that was opened in January of 2018, which was designed with the goal of bringing services to our patients and their families, not bringing them to the services. In addition, the Embrace MRI does not generate a magnetic field within the room in which it is housed. We can therefore bring infants into the MRI who require supportive equipment that is not compatible with traditional MRI. This, and the location, allow many more clinical opportunities than what's currently possible."

Rob Goodman, MBCh, MBA, BMSc, professor of radiology and biomedical imaging; chair, radiology and biomedical imaging; radiologist-in-chief, Yale New Haven Health, worked in tandem with Dr. Bizzarro on the implementation of the new specialized MRI. Dr. Goodman said, "Radiologists at Yale New Haven Children's Hospital hope to

expand the scanner's usage in the future to include body and possibly heart imaging in our neonates. It makes sense to have a scanner specially designed for premature babies given the obvious differences in size and anatomy compared to other patients. The scanner will be able to provide us with easily accessible, fast, and exquisitely detailed brain imaging to help us manage our most vulnerable patients.”

The neonatal MRI will be up and running for our tiniest patients soon.

Pediatric Surgery Expands in Guilford

Pediatric surgeons dedicate their practice to treating children ranging from the neonatal stage through late adolescence. The medical needs of a child differ from those of an adult, requiring pediatric surgeons to have additional education and advanced training. Our pediatric surgeons are recognized as experts in a broad range of specialties. To better meet the needs of their patients, pediatric surgery is now available at the YNHH Shoreline Medical Center in Guilford in the following specialties; ENT, Urology and Ophthalmology.

If you would like to refer a patient, but don't have a specific doctor in mind, please call the CARE Center at 1-877-YALE-MDS (877-925-3637).

Upcoming Community Virtual Events

Yale Pediatric Community Meetings are now held virtually and meetings are scheduled for the first quarter of 2021.

Thursday, January 28 at 7 am, Erik Waldman, MD, FACS, chief, pediatric otolaryngology will be discussing Ear Disease.

Thursday, March 25 at 7 am, Cynthia Sparer, chief ambulatory officer, senior vice president and executive director, Children's Hospital and Women's Services at Yale New Haven Hospital

(YNHH), speaks about the state of Yale New Haven Children's Hospital.

Thursday, April 22 at 7 am, David Colen, MD, plastic and reconstructive surgeon, specializing in upper and lower extremity reconstruction, topic to be determined.

Pediatric Grand Rounds are held virtually every Wednesday at noon. For details and to be added to the mailing list for notifications, send your request to sheryl.richetelli@yale.edu.

COVID-19 Informational Town Halls for Community Providers

Town Halls for our pediatric community providers regarding COVID-19 are held on Monday evenings at 5:30 pm. Led by Thomas Murray, MD, PhD, associate medical director, infection prevention, YNHCH and Matthew Grossman, MD, interim section chief, hospital medicine, vice chair for quality and safety, YNHCH. You may submit questions in advance of the meeting. The next question and answer session regarding COVID-19 will be held on Monday, January 25.

To be added to the email list and notified of meeting dates, please contact your physician liaison.

Dermatology Update

Yale New Haven Pediatric Dermatology PCC has moved their clinic to a newly established Federally Qualified Health Center. The pediatric clinic will have oversight by Fair Haven Community Health Care and is located at 150 Sargent Drive, New Haven. Call 203-777-7411 and fax 203-777-8506.

We are planning a Radiology and Biomedical Imaging Virtual Town Hall for our community providers in the spring, and are looking for suggested topics. What topics would you be interested in learning more about?



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