NEWS YOU CAN USE

Using Machine Learning in Medicine

In a report published in Pediatric Critical Care Medicine, a team from Nationwide Children’s describes a machine-learning tool for timely identification of hospitalized children at risk for deterioration – a worsening clinical condition with increased risk of morbidity and mortality. The tool, which is trained on disease-specific groups, promisingly outperformed the existing situational awareness program in identifying at-risk children. In a recent episode of “PediaCast,” Dr. Mike explores the intersection of artificial intelligence, machine learning and medicine with his guests, Laura Rust, MD, physician and physician informaticist at Nationwide Children’s and lead author of the paper, and Tyler Gorham, data scientist in IT Research & Innovation at Nationwide Children’s and co-author of the publication. To listen to “PediaCast,” Episode 541, “Artificial Intelligence and Machine Learning in Medicine,” go to PediaCast.org.

Nationwide Children’s Patient Financial Assistance Program

Nationwide Children’s is committed to offering financial assistance to people who have health care needs and are not able to pay for care. No child will be denied care due to the inability to pay for services. We accept most insurance plans, including Medicaid. Nationwide Children’s has financial assistance programs for those who qualify. Financial support staff are available to help families sign up for Medicaid or to find out if they qualify for financial assistance. For more information or to obtain a copy of our Financial Assistance Policy, contact Patient Accounts at (614) 722-2055 or visit NationwideChildrens.org/Financial-Assistance. For Nationwide Children’s - Toledo, contact Patient Accounts at (888) 908-2498 or visit NationwideChildrens.org/Locations/Toledo/Patient-Resources/Financial-Assistance.

COMMUNITY PROVIDER CORNER

CAP4Kids

The Children’s Advocacy Project (CAP4Kids) is a website that provides free and low-cost resources for your patient families – all in one place. CAP4Kids provides support for housing and utilities, transportation, food, mental health and more. See their insert for more information and visit CAP4Kids.org/Columbus to sign-up for their newsletter. To request copies of the insert, email CAP4KidsColumbus@NationwideChildrens.org.
FEATURED PHYSICIAN

Beth A. Vogt, MD, is a member of the Division of Nephrology and Hypertension and the medical director of the Dialysis Unit and the Acute Care Nephrology program at Nationwide Children’s. She is an associate professor of Pediatrics at The Ohio State University College of Medicine. Her primary clinical interests include the care of children with end-stage kidney disease as well as care of the critically ill child with acute kidney injury. She has a special interest in improving and standardizing care in these patient populations, working with multidisciplinary teams to create clinical practice guidelines and pathways. Educational interests include teaching medical students, residents and fellows and serving as rotation director for resident education in nephrology. She participates as nephrology faculty for the American Academy of Pediatrics and MedStudy courses for primary care providers. Her research interests include prevention of dialysis-associated infections in the Children’s Hospital Association SCOPE Collaborative.

FACILITIES

Nationwide Children’s Library

The Grant Morrow, III MD Medical Library is an affiliate library of The Ohio State University Library System. The physical library is available to all Nationwide Children’s faculty and features an employee computer lab with printing capabilities, a photocopy/scanner, EPIC workstations, and an outside balcony with tables and a view of the park.

The library also maintains a collection of Nationwide Children’s historical materials, including an original Bambino wall structure and fountain statue.

Hours and Location:

Monday-Friday 8:30 a.m. to 5 p.m.
Room 244, Suite E2B, Education Building.
Nationwide Children’s faculty and staff have 24/7 library access via badge access.

In addition to several Nationwide Children’s specific resources, as an affiliate library, Nationwide Children’s Library has access to many of Ohio State’s library resources. Nationwide Children’s employees affiliated with Ohio State can log in to access resources specific to the university. For more information, call (614) 722-3200 or email Library3@NationwideChildrens.org.

MOMENTS IN HISTORY

• In 1978 there were primary care clinics in Columbus overseen by the local government and open for short periods on some weekdays. In cooperation with Columbus Childrens Hospital (now Nationwide Children’s), these clinics were absorbed into our present primary care system. There are 13 sites now and a mobile unit that operates daily and has evening coverage.

• In 1978 there were 20,000 calls made to the Poison Control Center (Central Ohio Poison Control). In 2022 there were 37,753 calls.

AWARDS & RECOGNITION

Physician Recognition

Medical staff leadership would like to acknowledge physicians for recently receiving positive comments from patients and families. These comments are only a brief sample of the many compliments our physicians receive regularly.

Jonathan Grischkan, MD, FACS, FAAP, Otolaryngology, and Candice Burrier, MD, Anesthesiology & Pain Medicine

“Every single person we encountered, from security to registration, to the gift shop, to pre-op, anesthesia, and our surgeon, and to our nurses and nurse’s assistants, everyone was beyond phenomenal! "Everyone" took care of our son like he was their own, which is all I could ask for. Thank you, from the bottom of my heart, for keeping my baby safe and putting my mind at ease.”

Rohan Henry, MD, MS, Endocrinology

“My 17-year-old son really likes him. My son <who> is very opinionated, can tell the difference what doctor cares and is concerned <about him>. Dr. Henry is a very good endocrinologist and all-around good personality.”

Kevin Klingele, MD, Chief of Orthopaedic Surgery

“We were very pleased with every aspect of our visit with the Nationwide Children’s pediatric orthopedic practice in New Albany. The doctor was extremely knowledgeable and answered our many questions, and even included our daughter in the decisions around her care which made her feel empowered and more understanding of the overall process involved in her care. Additionally, the nurse and staff attending the placement and removal of her cast were excellent in their demeanor and
explanation of the steps they were taking. So, she was very comfortable and never scared about the tools they were using, the process or her steps toward healing. Thank you to the entire practice who made this experience so positive!”

Alex Kirkpatrick, DDS, Pediatric Dentistry Resident

“My child is nonverbal and autistic with severe behaviors. They could not have been more wonderful. The assistant and the doctor were wonderful. We dread appointments. They made it a little less painful.”

Craig Smith, MD, Orthopedics

“Dr. Smith is such an amazing doctor. He explained everything and gave us relief about what was going on with our daughter. Thank you for caring for our daughter and making her feel better.”

HOMECARE UPDATE

New FDA-Approved Medication to Prevent RSV Infections

On July 17, the United States Food & Drug Administration (FDA) announced approval of Beyfortus™ (nirsevimab) for prevention of respiratory syncytial virus (RSV) infections. Nirsevimab is a monoclonal antibody delivered intramuscularly as a single dose that demonstrated 70-75% efficacy at reducing medically attended RSV lower respiratory tract infections for preterm and term infants in clinical trials. Nirsevimab is classified as a drug by the FDA and is not a vaccine.

On August 3, the Centers for Disease Control and Prevention (CDC) Advisory Committee on Immunization Practices (ACIP) unanimously voted to recommend the addition of Nirsevimab to the CDC’s child immunization schedule and Vaccines for Children (VFC) program.

The CDC recommends one dose of nirsevimab for:

- All infants younger than 8 months, born during or entering their first RSV season (50 mg for infants <5 kg and 100 mg for infants ≥5 kg)
- Children aged 8 months to 19 months who are at increased risk of severe RSV disease and entering their second RSV season (200 mg)

Per Pablo Sanchez, MD, Department of Pediatrics, Division of Neonatology and Pediatric Infectious Diseases at Nationwide Children’s Hospital, “… the ACIP voted to recommend a single dose of Nirsevimab, a long-acting RSV monoclonal antibody, for prevention of medically attended lower respiratory tract infection to ALL infants less than 8 months of age during their first RSV season and in children aged 8 months to 19 months who are at increased risk of severe RSV disease entering the second RSV season. More details to follow, but it’s a huge first step toward RSV prevention.”

Nirsevimab is expected to be available this fall. Nationwide Children’s will continue to update providers and the public as the 2023-2024 RSV season approaches.

Also, Homecare will continue to offer Synagis treatment at home for infants unable to transition to Nirsevimab for the 2023-2024 RSV season. While many patients may transition to this new RSV therapy, Homecare will still be available for those patients who may need to rely on Synagis this season. Visit the “Professionals” page at NationwideChildrens.org/Homecare and open the Synagis tab for this season’s information and updated Synagis forms, if needed.

As noted in the August MedStat, Home Medical Equipment (HME) delivers medical supplies and equipment to pediatric patients within all of Ohio’s 88 counties. Please see the HME insert with an updated map for more details.

For questions regarding referral processes or any Nationwide Children’s Homecare services or programs, email Carolyn.Figi@NationwideChildrens.org.

INTERPROFESSIONAL EDUCATION

2nd Annual Pediatric Dermatology Symposium

Friday, October 6, 2023

The symposium is designed to equip primary care providers with the knowledge and resources to confidently care for patients with pediatric dermatologic conditions. Attendees will receive practical, up-to-date, evidence-based information on pediatric dermatology topics such as eczema, contact dermatitis, topical steroid use in children, the impact of allergies on dermatology, acne, skin concerns in transgender youth, hidradenitis suppurativa and more. Register at tinyurl.com/Derm2023.

Pediatric Sports Medicine and Orthopedics Conference

Friday, November 10, 2023

Please join us in person or virtually for the 2023 Pediatric Sports Medicine and Orthopedics Conference. Attendees may choose to attend in person or virtually. Afternoon breakout tracks in sports medicine, rehabilitation, and MSK Ultrasound will be available. Register at tinyurl.com/SMED23.
39th Annual School Health Update Conference

Friday, December 8, 2023

This year’s conference will include current practice updates in areas like pediatric mental health, chronic disease management and social determinants of health. This year there will be breakout sessions and hands-on skills sessions in areas such as, diabetes management, tracheostomies and g-tubes, and emergency mock codes. We encourage school nurses and other public health professionals involved in caring for children and families through schools to attend. Register at SchoolHealthConference.vfairs.com/en/registration-form.

Additional Conferences

To learn more or register for an upcoming conference, visit NationwideChildrens.cloud-cme.com. For information on event and conference planning support, email IPEoffice@NationwideChildrens.org.

- March 1, 2024 Inaugural Ohio Emergency Medical Service (EMS) for Children
- April 17, 2024 Otolaryngology Research Symposium
- April 19, 2024 Pediatric Infectious Disease Conference
- May 3, 2024 14th Annual Pediatric Asthma Conference
- May 22-23, 2024 2nd Global Symposium of Research Methodology Innovation in Trauma and Emergency Care
- September 5-7, 2024 Symposium on Targeted Antineoplastic Therapies

GRAND ROUNDS

The Pam & Jack Beeler Psychiatry and Behavioral Health Grand Rounds

Thursday, October 12, 2023 (noon to 1 p.m.)

- Speaker: Scott Langenecker, PhD, The Ohio State University
- Topic: Rumination-Focused CBT in Youth With a History of Depression
- https://zoom.us/j/95595167953

Pediatric Grand Rounds

Pediatric Grand Rounds takes place every Thursday from 8 to 9 a.m. A schedule of upcoming and prior recorded sessions is on the Nationwide Children’s Physician Connect app and the hospital intranet (ANCHOR) calendar. Learn more about Pediatric Grand Rounds at bit.ly/PediatricGrandRounds.

Upcoming sessions include:

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<tr>
<th>Date</th>
<th>Topic</th>
<th>Speaker and Institution/Department</th>
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<tbody>
<tr>
<td>9/14</td>
<td>Heiser Lecture Bias and Medicine</td>
<td>Quinn Capers, MD UT Southwestern, and Jeanette Schnierle, MD The Ohio State University</td>
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<tr>
<td>9/21</td>
<td>Weight Bias and Stigma</td>
<td>Eileen Chaves, PhD Nationwide Children’s</td>
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<td>9/28</td>
<td>Race, Science and Sickle Cell Disease</td>
<td>Wally Smith, MD Virginia Commonwealth University</td>
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<td>10/5</td>
<td>What Pediatricians Should Know About Artificial Intelligence</td>
<td>Christopher Bartlett, PhD, MHA, and Bimal Chaudhari, MD Nationwide Children’s</td>
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<td>10/12</td>
<td>Minority Health</td>
<td>Ray Bignall, MD, and Whitney Bignall, MD Nationwide Children’s</td>
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<td>10/19</td>
<td>Rohyans Lecture Vaccine Hesitancy</td>
<td>TBD</td>
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Medical Leadership Program

Applications for the 2024 Medical Leadership Program open on September 5, 2023. The 12-month interactive program is designed for early and mid-career physicians with demonstrated leadership strengths and identified as high-potential by their leader. For more information, search "MLP" on ANCHOR, or email Julia.Muehl@NationwideChildrens.org.
Annual MOC Part 4 Deadlines Approaching

Does your MOC cycle end this year? Make sure you’ve met your requirements!

**New MOC4 QI Projects:** Submit all application materials no later than October 15, 2023.

**Credit for existing projects:** Submit a new electronic attestation form no later than November 12, 2023.

For questions, search MOC on ANCHOR or email MOC@NationwideChildrens.org.

Lounge and Learn

The Medical Staff Office is pleased to welcome you to the upcoming Lounge and Learn sessions on the second Friday of every month at 7:30 a.m. via Webex. If you have questions or would like to receive session invitations, email Bruce. Meyer@NationwideChildrens.org or Rhonda.Burk@NationwideChildrens.org or call our office to leave a message at (614) 722-4550.

Upcoming Virtual Sessions:

- September 8 – Pablo Sanchez, MD, Vaccines for 2023-2024
- October 13 – Kevin Flanigan, MD, Gene Therapy Update

Visit NationwideChildrens.org/MedStat for additional information regarding many of these articles.
To contact the editor, email Catherine.Roebuck@NationwideChildrens.org.