ARTICLES

Coinfection and Other Clinical Characteristics of COVID-19 in Children

Pediatric patients with COVID-19 presented with symptoms distinct from adults and were susceptible to coinfection; persistent fecal shedding of viral RNA was found after respiratory specimens revealed negative results.

Qin Wu, Yuhan Xing, Lei Shi, Wenjie Li, Yang Gao, Silin Pan, Ying Wang, Wendi Wang, Quansheng Xing

Parental Hesitancy About Routine Childhood and Influenza Vaccinations: A National Survey

In this study, we assessed the prevalence of hesitancy about routine childhood and influenza vaccination among a nationally representative sample of US parents.

Allison Kempe, Alison W. Saville, Christina Albertin, Gregory Zimet, Abigail Breck, Laura Helmkamp, Sitaram Vangala, Miriam Dickinson, Cindy Rand, Sharon Humiston, Peter G. Szilagyi

Improving HPV Vaccination Rates: A Stepped-Wedge Randomized Trial

An interprofessional, multicomponent HPV vaccination intervention resulted in sustained improvement to both initiation and completion rates at the population level.


Clinical Features of E-cigarette, or Vaping, Product Use–Associated Lung Injury in Teenagers

We provide a description of the clinical presentation, laboratory and imaging findings, and clinical course of 13 adolescents treated for EVALI in Dallas, Texas, in 2019.

Devika R. Rao, Kendra L. Maple, Amy Dettori, Folashade Afolabi, Jenny K. R. Francis, Maddy Artunduaga, Tiffany J. Lieu, Kim Alyd, Dazhe James Cao, Stephanie Hsu, Sing Yi Feng, Vineeta Mittal


In this article, we examine the impact of recent changes in regulatory restrictions on e-cigarette marketing in Canada on youth’s exposure to e-cigarette marketing, and vaping behavior.

David Hammond, Jessica L. Reid, Robin Burkharter, Vicki L. Rynard
ARTICLES (continued)

Respiratory Syncytial Virus–Associated Hospitalizations Among Young Children: 2015–2016 43
- In this active, prospective, multicenter, population-based surveillance study, we provide updated estimates of RSV hospitalization burden among US children <5 years old in 2015–2016.

Child Care Attendance and Economic Outcomes in Adulthood 46
- This 30-year prospective cohort study, leveraging administrative data, reveals association between early child care attendance, high school graduation, and reduced risk of adult poverty.
Pascale Domond, Massimiliano Orri, Yann Algan, Leanne Findlay, Dafna Kohen, Frank Vitaro, Richard E. Tremblay, Sylvana M. Côté

Global Burden of Childhood Epilepsy, Intellectual Disability, and Sensory Impairments 49
- At least 291 million children and adolescents had disabilities in 2017 globally, which is substantially higher than the GBD estimate of 83 million in 2004.

Survival Without Major Morbidity Among Very Low Birth Weight Infants in California 52
- Using a population-based approach, this study shows improvement in survival without major morbidity among VLBW infants in California.
Henry C. Lee, Jessica Liu, Jochen Profit, Susan R. Hintz, Jeffrey B. Gould

Prenatal Antidepressant Use and Risk of Adverse Neonatal Outcomes 55
- Using a large privately insured administrative claims database, we assessed patterns of antidepressant use in pregnancy and associated offspring outcomes.
Gretchen Bandoli, Christina D. Chambers, Alan Wells, Kristin Palmsten

Pediatric Outcomes After Regulatory Mandates for Sepsis Care 58
- The authors of this study evaluate the impact of the 2013 New York State sepsis regulations on pediatric sepsis outcomes using a comparative interrupted time-series analytic approach.
Kristin H. Gigi, Billie S. Davis, Jonathan G. Yabes, Chung-Chou H. Chang, Derek C. Angus, Tina Batra Hershey, Jennifer R. Marin, Grant R. Martsolf, Jeremy M. Kahn

In-Hospital Formula Feeding and Breastfeeding Duration 61
- PS matching techniques produce a more accurate estimate of the negative effect of IHFF on breastfeeding duration among Minnesota WIC participants.
Marcia Burton McCoy, Pamela Heggie

Recovery of Iron Stores After Adolescents Donate Blood 65
- In the absence of supplements, rebuilding lost iron stores in adolescent blood donors takes substantially longer for some donors than currently mandated IDIs.
Ralph R. Vassallo, Joan F. Hilton, Marjorie D. Bravo, Eric Vittinghoff, Brian Custer, Hany Kamel
ARTICLES (continued)

Mental Health Problems and Risk of Suicidal Ideation and Attempts in Adolescents
- In this contemporary sample, we report the prevalence of suicide-related outcomes and associations with MHPs from ages 13 to 20 years.
  Massimiliano Orri, Sara Scardera, Léa C. Perret, Despina Bolanis, Caroline Temcheff, Jean R. Séguin, Michel Boivin, Gustavo Turecki, Richard E. Tremblay, Sylvana M. Côté, Marie-Claude Geoffroy

Attention-Deficit/Hyperactivity Disorder and Psychotropic Polypharmacy Prescribing Trends
- In this study, we describe increasing rates of ADHD and psychiatric polypharmacy in children and young adults and analyze patient characteristics associated with polypharmacy.
  Heather L. Girand, Szymon Litkowiec, Minji Sohn

Benzodiazepine Treatment and Fracture Risk in Young Persons With Anxiety Disorders
- In this study, we observed an elevated fracture rate in children with anxiety disorders initiating benzodiazepine treatment compared to SSRI treatment, with no increase in young adults.
  Greta A. Bushnell, Tobias Gerhard, Stephen Crystal, Mark Gilson

Parent-Child Agreement on Postconcussion Symptoms in the Acute Postinjury Period
- In this study, we establish parent-child agreement for postconcussion symptom reports and examine the predictive power of a previously derived clinical rule when using child-reported symptoms.
  Isabelle Gagnon, Elizabeth Teel, Gerard Gioia, Mary Aglipay, Nick Barrowman, Maegan Sady, Christopher Vaughan, Roger Zemek, Pediatric Emergency Research Canada (PERC) Sp Team

Parent Preferences for Pediatric Clinician Messaging to Promote Smoking Cessation Treatment
- Using parent report, we analyze what smoking cessation messages from pediatric clinicians are most likely to motivate them to start treatment.
  Brian P. Jenssen, Mary Kate Kelly, Jennifer Faerber, Chloe Hanan, David A. Asch, Justine Shults, Robert A. Schnoll, Alexander G. Fiks

Long-term Social Outcomes After Congenital Heart Surgery
- Using the Finnish national CHS and population databases, in this article, we provide a comprehensive insight into long-term social outcomes after CHS.
  Alireza Raissadati, Hanna Knihtilä, Tommi Päätölä, Heta Nieminen, Eero Jokinen

A Core Outcome Set for Neonatal Opioid Withdrawal Syndrome
- An internationally developed, evidence-informed, and consensus-based set of 13 outcomes is created to be measured in clinical care and research on NOWS.
  Lauren E. Kelly, Flora Shan, Sonya MacVicar, Emily Czaplinksi, Wendy Moulsdale, Sarah Simpson, Karel Allegaert, Lauren M. Jansson, Martin Offringa

Young Children's Use of Smartphones and Tablets
- Mobile device sampling is a feasible, objective, and unobtrusive method that provides detailed output regarding the timing, content, and duration of tablet or smartphone use.
  Jenny S. Radesky, Heidi M. Weeks, Rosa Ball, Alexandria Schaller, Samantha Yeo, Joke Durnez, Matthew Tamayo-Rios, Mollie Epstein, Heather Kirkorian, Sarah Coyne, Rachel Barr

Competency of Future Pediatricians Caring for Children With Behavioral and Mental Health Problems
- In this national survey, we describe pediatric trainee competence in the assessment and treatment of B/MH conditions and variation in competence across training programs.
  Cori Green, JoAnna K. Leyenaar; Adam L. Turner; Laurel K. Leslie

Resuscitation Opportunities for Fellows of Very Low Birth Weight Infants in the Vermont Oxford Network
- In this study, we use the VON database to characterize the frequency of VLBW and ELBW DR resuscitations and procedures at NPM fellowship programs.
  Megan M. Gray, Erika M. Edwards, Danielle E. Y. Ehret, Brianna K. Brei, Lucy T. Greenberg, Rachel A. Umoren, Steven Ringer, Jeffrey Horbar
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Defining the Essential Components of a Teaching Service... 85
- We present a consensus definition of the essential and recommended components of resident teaching services using Delphi methodology.

Caroline J. Gross, Laura E. Chiel, Amanda R. Gomez, Carolyn H. Marcus, Catherine D. Michelson, Ariel S. Winn

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Policy Statement
Advocacy and Collaborative Health Care for Justice-Involved Youth
Mikah C. Owen, Stephenie B. Wallace, Committee on Adolescence

Policy Statement
Electronic Documentation in Pediatrics: The Rationale and Functionality Requirements
Heather C. O’Donnell, Srinivasan Suresh, Council on Clinical Information Technology

Technical Report
Electronic Documentation in Pediatrics: The Rationale and Functionality Requirements
Heather C. O’Donnell, Srinivasan Suresh, Council on Clinical Information Technology

PEDiatrics Perspectives

Mitigating the Impacts of the COVID-19 Pandemic Response on At-Risk Children
Charlene A. Wong, David Ming, Gary Maslow, Elizabeth J. Gifford

Sheltering in Place in a Xenophobic Climate: COVID-19 and Children in Immigrant Families
Rushina Cholera, Olanrewaju O. Falusi, Julie M. Linton

Vulnerable Youth and the COVID-19 Pandemic
Rachel I. Sillman Cohen, Emily Adlin Bosk

Increased Risk for Family Violence During the COVID-19 Pandemic
Kathryn L. Humphreys, Myo Thwin Myint, Charles H. Zeanah

Children’s Hospital ICU Resource Allocation in an Adult Pandemic
Ian D. Wolfe, Jeremy R. Garrett, Brian S. Carter, John D. Lantos

Toward a Deeper Understanding of Gun Violence
Nancy A. Dodson, David Hemenway

The Daunting Problem of Medical Complexity and Housing Instability
Rebecca R. Seltzer, B. Simone Thompson, Chris Feudtner

MONTHLY FEATURE

A Little Hurts a Lot: Exploring the Impact of Microaggressions in Pediatric Medical Education
Kimberly Young, Angela Punnett, Shazeen Suleman

RESEARCH BRIEFS

Lung Ultrasound in Children With COVID-19
Marco Denina, Carlo Scalfaro, Erika Silvestro, Giulia Pruccoli, Federica Mignone, Marisa Zoppo, Ugo Ramenghi, Silvia Garazzino

REVIEW ARTICLES

Parenting Interventions in Pediatric Primary Care: A Systematic Review
Justin D. Smith, Gracelyn H. Cruden, Lourdes M. Rojas, Mark Van Ryzin, Emily Fu, Matthew M. Davis, John Landsverk, C. Hendricks Brown

Sexual Health Programs for Latinx Adolescents: A Meta-analysis
Reina Evans, Laura Widman, McKenzie Stokes, Hannah Javidi, Elan Hope, Julia Brasileiro
DIAGNOSTIC DILEMMAS

An 8-Year-Old Boy With Fever, Splenomegaly, and Pancytopenia

- The case of an 8-year-old boy with fever, abdominal pain, and pallor found to have splenomegaly and pancytopenia who was ultimately diagnosed with a rare etiology.

Rachel Offenbacher, Brad Rybinski, Tuhina Joseph, Nora Rahmani, Thomas Boucher, Daniel A. Weiser

STATE-OF-THE-ART REVIEW ARTICLE

Reintroducing Dyslexia: Early Identification and Implications for Pediatric Practice

- In this review, we synthesize current knowledge of the foundations of dyslexia, consider outcomes, and discuss ways in which our contemporary understanding can be used to inform early clinical identification.

Joseph Sanfilippo, Molly Ness, Yaacov Petscher, Leonard Rappaport, Barry Zuckerman, Nadine Gaab

SPECIAL ARTICLES

Updated Strategies for Pulse Oximetry Screening for Critical Congenital Heart Disease

- Newborn screening for CCHD significantly improves outcomes. New approaches can improve the efficiency of screening.

Gerard R. Martin, Andrew K. Ewer, Amy Gaviglio, Lisa A. Hom, Annamarie Saarinen, Marci Sontag, Kristin M. Burns, Alex R. Kemper, Matthew E. Oster

Ethical and Public Health Implications of Targeted Screening for Congenital Cytomegalovirus

- The ethical and public health implications of testing neonates for cCMV through a targeted screening program is explored.

Ladawna L. Gievers, Alison Volpe Holmes, Jaspreet Loyal, Ilse A. Larson, Carlos R. Oliveira, Erik H. Waldman, Sheevaun Khaki

The Ethics of Creating a Resource Allocation Strategy During the COVID-19 Pandemic

- Bioethicists discuss how children should be considered in resource allocation frameworks for the COVID-19 pandemic and moral dilemmas in implementation of crisis standards of care.

Naomi Laventhal, Ratna Basak, Mary Lynn Dell, Douglas Diekema, Nanette Elster, Gina Geis, Mark Mercurio, Douglas Opel, David Shalowitz, Mindy Statter, Robert Macauley

ETHICS ROUNDS

Pediatric Palliative Care in a Pandemic: Role Obligations, Moral Distress, and the Care You Can Give

- Limited resources during the pandemic may affect patients in PPC and their families, and providers may experience resultant moral distress; we suggest some coping strategies.

Amanda M. Evans, Monique Jonas, John Lantos

Access to Transplantation for Undocumented Pediatric Patients

- In this case, we seek to explore the ethical considerations in providing undocumented pediatric patients with organ failure access to transplant as a therapeutic option.

Olga Charnaya, Priya Verghese, Aviva Goldberg, Keren Ladin, Thalia Porteny, John D. Lantos

QUALITY REPORTS—www.pediatrics.org

Reduction in Resources and Cost for Gastroenteritis Through Implementation of Dehydration Pathway

- Implementation of a dehydration pathway in a pediatric ED led to improvement in resource use, cost, and patient throughput.

Jessica K. Creedon, Matthew Eisenberg, Michael C. Monuteaux, Mihail Samnaliev, Jason Levy
QUALITY REPORTS—www.pediatrics.org (continued)

The Improving Renal Outcomes Collaborative: Blood Pressure Measurement in Transplant Recipients
• Improper BP measurement limits control of hypertension. Using the IROC learning health system, we improved appropriate BP measurement across 17 transplant centers over 20 weeks.

CASE REPORTS—Online only at www.pediatrics.org

A Case Series of the 2019 Novel Coronavirus (SARS-CoV-2) in 3 Febrile Infants in New York
• In this study, we describe clinical presentations of 3 febrile infants <2 months of age hospitalized in a New York pediatric hospital.
Lance Feld, Joshua Belfer, Rashi Kabra, Pratichi Goenka, Shipra Rai, Shannon Moriarty, Stephen Barone

Early Neonatal SARS-CoV-2 Infection Manifesting With Hypoxemia Requiring Respiratory Support
• We describe a case of neonatal SARS-CoV-2 infection, in an infant diagnosed 3 days after birth, and manifesting with silent hypoxemia, requiring respiratory support.
Mariateresa Sinelli, Giuseppe Paterlini, Marco Citterio, Alessia Di Marco, Tiziana Fedeli, Maria Luisa Ventura

Severe Pediatric COVID-19 Presenting With Respiratory Failure and Severe Thrombocytopenia
• We present the successful management of a critically ill, previously healthy child with COVID-19 presenting with respiratory failure and severe thrombocytopenia.
Pratik A. Patel, Shanmuganathan Chandrakasan, Geoffrey E. Mickells, Inci Yildirim, Carol M. Kao, Carolyn M. Bennett

Elevated Serum Creatinine: But Is It Renal Failure?
• We present a case report of internet-based sharing of a homemade formula by nonmedical personnel placing an infant at risk because of unregulated dietary supplements.
Molly Wong Vega, Sarah J. Swartz, Sridevi Devaraj, Sridevi Poyyapakkam

Flualprazolam: Report of an Outbreak of a New Psychoactive Substance in Adolescents
• A group of adolescents develop CNS depression due to intoxication with an NPS: flualprazolam.
Adam Blumenberg, Adrienne Hughes, Andrew Reckers, Ross Ellison, Roy Gerona

Complete Heart Block Secondary to Flecainide Toxicity: Is It Time for CYP2D6 Genotype Testing?
• In this case study, we highlight the need to consider CYP2D6 gene testing before flecainide initiation in infants because of genetic polymorphism.
Bao Hui Poh, Jan Han Lee, Abdul Alim Abdul Haium, Tze Liang Jonathan Choo