Factors Associated With Severe SARS-CoV-2 Infection

In this study, using a national prospective hospital-based surveillance, we highlight factors associated with an increased risk of severe evolution among hospitalized children with SARS-CoV-2 infection.

Naïm Ouldali, David Dawei Yang, Fouad Madhi, Michael Levy, Jean Gaschignard, Irina Craiu, Tamazoust Guiddir, Cyril Schweitzer, Arnaud Wiedemann, Mathie Lorrot, Anne-Sophie Romain, Aurélie Garraffo, Hervé Haas, Sébastien Rouget, Loïc de Pontual, Camille Aupiais, Alain Martinot, Julie Toubiana, Laurent Dupic, Philippe Minodier, Manon Passard, Alexandre Belot, Corinne Levy, Stéphane Béchet, Camille Jung, Mayssa Sarakbi, Sarah Ducrocq, Nevena Danekova, Imen Jhaouat, Olivier Vignaud, Nathalie Garrec, Elisabeth Baran, Robert Cohen, Vincent Gajdos, François Angoulvant, on behalf of the investigator group of the PANDOR study

Suicide Ideation and Attempts in a Pediatric Emergency Department Before and During COVID-19

In this study, we examined rates of positive suicide-risk screen results in a pediatric ED from January to July 2020 as compared with similar screens conducted between January and July 2019.

Ryan M. Hill, Katrina Rufino, Sherin Kurian, Johanna Saxena, Kirti Saxena, Laurel Williams

Delayed Antibiotic Prescription for Children With Respiratory Infections: A Randomized Trial

With this randomized clinical trial, we assessed the effectiveness and security of DAP for children with uncomplicated respiratory infections in primary care.

Gemma Mas-Dalmau, Carmen Villanueva López, Pedro Gorrotxategi Gorrotxategi, Emma Argüelles Prendes, Oscar Espinazo Ramos, Teresa Valls Duran, María Encarnación Gonzalo Alonso, María Pilar Cortés Viana, Tatiana Menéndez Bada, Marta Esther Vázquez Fernández, Ana Isabel Pérez Hernández, Laura Muñoz Ortiz, Paul Little, Mariam de la Poza Abad, Pablo Alonso-Coello, on behalf of the DAP Pediatrics Group
Trends in Dispensed Opioid Analgesic Prescriptions to Children in South Carolina: 2010–2017
Dispensed opioid analgesic prescriptions declined by 35.6% between 2010 and 2017, but the mean daily opioid dispensed declined by only 7.6%.
William T. Basco Jr, Jenna L. McCauley, Jingwen Zhang, Patrick D. Mauldin, Kit N. Simpson, Khosrow Heidari, Justin E. Marsden, Sarah J. Ball

National Perinatal Hepatitis B Prevention Program: 2009–2017
In this analysis, we assess trends and programmatic outcomes among infants born to HBsAg-positive women case-managed by the CDC’s national PHBPP.
Alaya Koneru, Nancy Fenlon, Sarah Schillie, Charnetta Williams, Mark K. Weng, Noele Nelson

Cardiovascular Risk Factors in Childhood and Left Ventricular Diastolic Function in Adulthood
Adiposity status and the level of physical activity in childhood are independently associated with LV diastolic function in a population representing Finnish adult population.
Jarkko S. Heiskanen, Saku Ruohonen, Suvi P. Rovio, Katja Patkala, Ville Kyöö, Mika Kähönen, Terho Lehtimäki, Jorma S. A. Viikari, Markus Juonala, Tomi Laitinen, Päivi Tossavainen, Eero Jokinen, Nina Hartt-Kähönen, Olli T. Raatakari

Exclusive Breastfeeding, Child Mortality, and Economic Cost in Sub-Saharan Africa
In this study, we capture the importance of EBF practices to reduce the economic cost of U5M in sub-Saharan Africa.
Cianté E. Pretorius, Hannah Asare, Herculina S. Kruger, Jon Genuneit, Linda P. Siziba, Cristian Ricci

An mHealth Intervention for Pregnancy Prevention for LGB Teens: An RCT
Girl2Girl is the first comprehensive mobile health pregnancy prevention program developed and tested among LGB+ across the United States. In this article, we report outcomes at 5 months.
Michele Ybarra, Carol Goodenow, Margaret Rosario, Elizabeth Saewyc, Tonya Prescott

Confidential Screening for Sex Trafficking Among Minors in a Pediatric Emergency Department
A sex-trafficking screening tool was applied in a confidential electronic format in a PED to identify at-risk children for sex trafficking.
Irene A. Hurst, Denise C. Abdoo, Scott Harpin, Jan Leonard, Kathleen Adelgais

Time to First Onset of Chest Binding–Related Symptoms in Transgender Youth
In this study, we calculate time to onset of symptoms related to chest binding, a practice engaged in by most transgender youth assigned female at birth.
Sarah M. Peitzmeier, John Silberholz, Ivy H. Gardner, Jamie Weinand, Kimberlynn Acevedo

Experience of Chest Dysphoria and Masculinizing Chest Surgery in Transmasculine Youth
We conduct a qualitative study of the lived experience of chest dysphoria in transmasculine youth and their thoughts about or experiences with MCS.
Jamie E. Mehringer, Jacqueline B. Harrison, Kit M. Quain, Judy A. Shea, Linda A. Hawkins, Nadia L. Dowshen

Maternal Chronic Conditions and Risk of Cerebral Palsy in Offspring: A National Cohort Study
Associations between a broad range of maternal chronic conditions and risk of CP in offspring were explored by using Norwegian national health registries.
Marianne S. Strøm, Mette G. Tollanes, Alan J. Wilcox, Rolf Terje Lie, Ingeborg Forthun, Dag Moster

Outcomes of Bariatric Surgery in Older Versus Younger Adolescents
In this analysis, we describe outcomes between younger and older adolescents after bariatric surgery in a prospective observational cohort of 242 adolescents at 5 children’s hospitals.
Sarah B. Ogle, Lindel C. Dewberry, Todd M. Jenkins, Thomas H. Inge, Megan Kelsey, Mathias Bruzoni, Janey S. A. Pratt
Applications of Artificial Intelligence for Retinopathy of Prematurity Screening


A Prevention Program for Insomnia in At-risk Adolescents: A Randomized Controlled Study

With this study, we provided novel evidence that a brief cognitive behavioral prevention program for insomnia can prevent the incidence of insomnia in at-risk adolescents.

Ngan Yin Chan, Shirley Xin Li, Jiuhui Zhang, Siu Ping Lam, Amy Pui Ling Kwok, Mandy Wai Man Yu, Joey Wing Yan Chan, Albert Martin Li, Charles M. Morin, Yun Kwok Wing

Phenobarbital and Clonidine as Secondary Medications for Neonatal Opioid Withdrawal Syndrome

Infants treated with M + P for NOWS have a shorter length of morphine treatment and hospital stay than infants treated with M + C.


Validation of The Reading House and Association With Cortical Thickness

This is an expanded validation of TRH, a children’s book for screening emergent literacy skills in preschool-aged children, involving cognitive measures and cortical thickness.

John S. Hutton, Jonathan Dudley, Guixia Huang, Tzipi Horowitz-Kraus, Thomas DeVitt, Richard F. Ittenbach, Scott K. Holland

Improving Parent-Child Interactions in Pediatric Health Care: A Two-Site Randomized Controlled Trial

SB integrates pediatric and home-based prevention of school readiness disparities; early RCT impacts on 6-month parenting extend previous Video Interaction Project findings.

Erin Roby, Elizabeth B. Miller, Daniel S. Shaw, Pamela Morris, Anne Gill, Debra L. Bogen, Johana Rosas, Caitlin F. Garfield, Katherine A. Halls, Helena Wippick, Julia Honoroff, Carolyn B. Cates, Adriana Weisleder, Kelly A. Chadwick, Caroline D. Raak, Alan L. Mendelssohn

Hospitals’ Diversity of Diagnosis Groups and Associated Costs of Care

Through national hospitalization data, we explore the correlation between diagnosis diversity and inpatient cost of care.

Jay G. Berry, Matt Hall, Eyal Cohen, Chris Feudtner, Vincent W. Chiang, Paul J. Chung, James C. Gay, Samir S. Shah, Elizabeth Casto, Troy Richardson

Palliative Care Referrals in Cardiac Disease

Subspecialty palliative care involvement in children with AHD is increasing; patients referred to palliative care have less intense therapies at EOL.

Katie M. Moynihan, Catherine S. Heith, Jennifer M. Snaman, Melissa Smith-Parrish, Anna Bakas, Shirley Ge, Armanda Vidotao Cerqueira, Valerie Bailey, Dorothy Beke, Joanne Wolfe, Emily Morell, Kimberlee Gauvreau, Elizabeth D. Blume

Severe Acute Neurologic Involvement in Children With Hemolytic-Uremic Syndrome

Using a multicenter administrative database, in this study, we identify risk of in-hospital mortality associated with neurologic involvement among pediatric patients with HUS.

Clare C. Brown, Xiomara Garcia, Rupal T. Bhakta, Emily Sanders, Parthak Prodhan
ARTICLES (continued)

Augmented Reality-Assisted Video Laryngoscopy and Simulated Neonatal Intubations: A Pilot Study
- In this pilot study, we describe ARVL and evaluate its effect on the intubation proficiency of novice providers in a simulation environment.
  Patricia L. Dias, Rachel G. Greenberg, Ronald N. Goldberg, Kimberley Fisher, David T. Tanaka

Extended Work Shifts and Neurobehavioral Performance in Resident-Physicians
- Work rosters that limit shifts to 16 consecutive hours improved on-shift neurobehavioral performance of resident-physicians compared with EDWRs (≥24 hours).

COMMENTARIES

Antibiotics for Acute Respiratory Tract Infections: Now, Later, or Never?
  Jeffrey S. Gerber, Bonnie F. Ofri

Perinatal Hepatitis B Prevention: Eliminating Disease and Disparity
  Esther K. Chung, Daniel A. Enquobahrie

Childhood Lifestyle Choices, Left Ventricular Diastolic Dysfunction, and the Terrific 2
  William E. Hopkins

Breastfeeding: A Key Investment in Human Capital
  Mamta Murthi, Meera Shekar

Improving Adolescent Sexual and Reproductive Health: Can Mobile Health Interventions Affect Behavior?
  Lauren S. Chernick

Recognizing the Importance of Chest Surgery for Transmasculine Youth
  Laura E. Kuper, G. Nic Rider, Colt M. St. Amand

The Challenge of Identifying Causal Pathways Leading to Cerebral Palsy
  Sandra Julsen Hollung, Torstein Vik, Guro L. Andersen

Artificial Intelligence for ROP Screening and to Assess Quality of Care: Progress and Challenges
  Clare Gilbert, Aeesha N. J. Malik, Anand Vinekar

FROM THE AMERICAN ACADEMY OF PEDIATRICS

Clinical Report
Ethical Considerations in Pediatricians’ Use of Social Media
  Robert Macauley, Nanette Elster, Jonathan M. Fanaroff, Committee on Bioethics, Committee on Medical Liability and Risk Management

Policy Statement
Recommended Childhood and Adolescent Immunization Schedule: United States, 2021
  Committee on Infectious Diseases
FROM THE AMERICAN ACADEMY OF PEDIATRICS (continued)

Policy Statement
2021 Recommendations for Preventive Pediatric Health Care
Committee on Practice and Ambulatory Medicine, Bright Futures Periodicity Schedule Workgroup

PEDIATRICS PERSPECTIVES

Child Care During the COVID-19 Pandemic: A Bad Situation Made Worse
Nikita Kalluri, Colleen Kelly, Arvin Garg

Implications of the 21st Century Cures Act in Pediatrics
Natalie M. Pageler, Emily C. Webber, Dennis P. Lund

Abandoning the Term “Voodoo” in Medicine
Nathan Luna

Use of Cognitive Shortcuts in Decision-making for Children With Severe Neurologic Impairment
Jori F. Bogatz, Elliott Mark Weiss, Douglas J. Opel

Generational Empathy: An Approach for Addressing Generational Differences
Christian D. Pulcini, Teri L. Turner, Lewis R. First

FEATURE

The LETTER of Recommendation: Showcasing a Student’s Strengths
Erin Pete Devon, Rebekah Burns, Amanda Hartke

ADVOCACY CASE STUDY

A Trainee-Led Social Media Advocacy Campaign to Address COVID-19 Inequities
Rohini Jain, Colleen A. Kelly, Sagar Mehta, Destiny Tolliver, Amanda Stewart, Joanna Perdomo

RESEARCH BRIEFS

Marijuana Use to Address Symptoms and Side Effects by Youth With Chronic Medical Conditions
Joe Kossowsky, Kara M. Magane, Sharon Levy, Elissa R. Weitzman

HPV Vaccine Recommendations and Parental Intent
Kalyani Sunawane, Yenan Zhu, Yueh-Yun Lin, Haluk Dangacioglu, Ying Lin, Jane R. Montealegre, Ashish A. Deshmukh

REVIEW ARTICLES

Improving Influenza Vaccination in Children With Comorbidities: A Systematic Review
Daniel A. Norman, Rosanne Barnes, Rebecca Pavlos, Mejbah Bhuiyan, Kefyalew Addis Alene, Holly Seale, Hannah C. Moore, Christopher C. Blyth

Efficacy and Safety of Metformin for Obesity: A Systematic Review
Reem Matar, Vanessa C. Brunetti, Stephanie Aloe, Mélanie Henderson, Robert W. Platt, Kristian B. Filion
Umbilical Cord Management for Newborns <34 Weeks’ Gestation: A Meta-analysis

In this systematic review and meta-analysis, we synthesize the effects of umbilical cord management strategies (timing of clamping, cord milking) in preterm infants <34 weeks’ gestational age.

Anna Lene Seidler, Gillian M.L. Gyte, Heike Rabe, José L. Díaz-Rossello, Lelia Duley, Khalid Aziz, Daniela Testoni Costa-Nobre, Peter G. Davis, Georg M. Schmölzer, Colleen Ovelman, Lisa M. Askie, Roger Soll, on Behalf of the International Liaison Committee on Resuscitation Neonatal Life Support Task Force

Umbilical Cord Management at Term and Late Preterm Birth: A Meta-analysis

With this systematic review and meta-analysis, we synthesize the effects of umbilical cord management strategies (timing of clamping and cord milking) in term and late preterm infants.


Childhood and Adolescent Bullying Perpetration and Later Substance Use: A Meta-analysis

Meta-analytic evidence suggests that, compared with their nonbullying peers, bullying children and adolescents have a higher risk of drug, alcohol, and tobacco use later in life.

Charlotte Vrijen, Maria Wiertsema, Mégane Alice Ackermans, Rozemarijn van der Ploeg, Tina Kretschmer

End-of-Life Childhood Cancer Research: A Systematic Review

Through a systematic review, with this study, we capture similarities and differences in children’s, parents’, and HPs’ perspectives of EOL research involving children with cancer.

Fyeza Hasan, Kimberley Widger, Lillian Sung, Laura Wheaton

Impact of Acute and Chronic Hypoxia-Ischemia on the Transitional Circulation

In this review, we discuss pathophysiology of normal transition and advances in the management of cardiorespiratory transition in infants with acute asphyxia and chronic hypoxia (utero-placental insufficiency).

Arvind Sehgal, Beth J. Allison, Suzanne L. Miller, Graeme R. Polglase, Patrick J. McNamara, Stuart B. Hooper

Enrolling Minors in COVID-19 Vaccine Trials

Researchers should begin enrolling minors in vaccine trials for COVID-19 once there are sufficient safety data in adults and not wait for evidence of efficacy.

Kevin Mintz, E Jardas, Seema Shah, Christine Grady, Marion Danis, David Wendler

Perspectives on Race and Medicine in the NICU

With this article, we explore experiences of race in the NICU and the importance of representation through a collection of narratives written from various perspectives.

Shannon Y. Adams, Tanika White Davis, Beatrice E. Lechner

What Should an Intern Do When She Disagrees With the Attending?

Timothy Crisci, Zeynep N. Inanc Sahih, Ndidi Unaka, Jehanna Peerrzada, Armand H. Matheny Antommaria

Improving Autism Screening and Referrals With Electronic Support and Evaluations in Primary Care

A QI study of autism screening increased the proportion of visits with autism screening and referrals for autism evaluation.

Kathleen Campbell, Paul S. Carbone, Diane Liu, Carole H. Stipelman
QUALITY REPORTS (continued)

A Quality Improvement Initiative to Reduce Unnecessary Rapid Responses Using Early Warning Scores

- In this quality improvement initiative, we outline the implementation of a PEWS system to reduce unnecessary RRT events.

Scott W. Penney, Scarlett N. O’Hara-Wood, Lisa M. McFarlan, Robert P. Slaughter, Carla S. Cox, Amber N. Gibbons, Ashley E. Sam, Renée I. Matos

Development of a Structured Regional Analgesia Program for Postoperative Pain Management

- In this article, we describe a collaborative initiative of neonatology, anesthesia, and surgery in a multidisciplinary model in the establishment of epidural analgesia for postoperative pain management.

Teresa D. Puthoff, Giorgio Veneziano, Affi N. Kulaylat, Ruth B. Seabrook, Karen A. Diefenbach, Greg Ryshen, Sarah Hastie, Autumn Lane, Lauren Renner, Roopali Bapat

DIAGNOSTIC DILEMMAS

Unremitting Pain and Fever in a 15-Year-Old Boy With Osteomyelitis

- A previously healthy adolescent from the southeastern United States was evaluated for osteomyelitis refractory to standard-of-care treatment, leading to a surprising diagnosis.

Kathryn S. Cain, Avinash K. Shetty, Lindsay Strowd, Omar Sangueza, Nicholas M. Potisek

CASE REPORTS—Online only at www.pediatrics.org

Arteritis and Large Vessel Occlusive Strokes in Children After COVID-19 Infection

- In this report, we describe 2 previously healthy children who suffered AISs because of acute intracranial LVO within 3 to 4 weeks of COVID-19 infection.

Brian Appavu, Doris Deng, Michael Morgan Dowling, Shipra Garg, Tara Mangum, Varina Boerwinkle, Todd Abruzzo

Rhabdomyolysis as the Initial Presentation of SARS-CoV-2 in an Adolescent

- Rhabdomyolysis is a potential initial presentation of COVID-19. SARS-CoV-2 viral testing should be considered in persons presenting with rhabdomyolysis for appropriate triaging and isolation.

Shawness Gipain, Michael Byers, Alison Byrd, Jennifer Culf, Danielle Peterson, Bettina Thomas, Philip Jacobson

Congenital Chylothorax and Hydrops Fetalis: A Novel Neonatal Presentation of RASA1 Mutation

- In this article, we examine a case of a neonate born with nonimmune hydrops and congenital chylothorax, discovered to be a novel presentation of RASA1 mutation.

Alessia Gallipoli, Gillian MacLean, Jagdeep S. Walia, Anupam Sehgal, Department of Pediatrics, Queen’s University, Kingston, Ontario, Canada

Hemolysis and Neurologic Impairment in PAMI Syndrome: Novel Characteristics of an Elusive Disease

- A toddler presents with chronic transfusion-dependent hemolytic anemia, hepatosplenomegaly, failure to thrive, and developmental delay with dramatic improvement after anakinra administration.

Giovanni Del Borrello, Daniela Guarino, Concetta Micalizzi, Isabella Ceccherini, Maurizio Miano, Marco Gattorno, Carlo Bufour

PIGA Mutations Can Mimic Neonatal Hemochromatosis

- PIGA germ-line mutations can mimic NH, indicating that PIGA gene testing should be considered in newborns with NH.

Jaime Flores-Torres, Jane D. Carver, Amanis Sanchez-Valle, Department of Pediatrics, College of Medicine, University of South Florida Morsani, Tampa, Florida

LETTERS TO THE EDITOR—Online only at www.pediatrics.org