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ARTICLES

Psychological Manifestations of Celiac Disease Autoimmunity in Young Children

• This study highlights that children with celiac disease autoimmunity may exhibit subtle psychological symptoms before parents are aware of their child's celiac autoimmunity.

Laura B. Smith, Kristian F. Lynch, Kalle Kurppa, Sibylle Koletzko, Jeffrey Krischer, Edwin Liu, Suzanne Bennett Johnson, Daniel Agardh, The TEDDY study group

Neonatal Morbidity and 1-Year Survival of Extremely Preterm Infants

· This is a prospective, population-based cohort study comparing survival and neonatal morbidity in infants born at 22 to 26 weeks' gestation in Norway in 2013-2014.

Hans Jorgen Stensvold, Claus Klingenberg, Ragnhild Stoen, Dag Moster, Kristin Braekke, Hans Jorgen Guthe, Henriette Astrup, Siren Rettedal, Morten Gronn, Arild E. Ronnestad, on behalf of the Norwegian Neonatal Network

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E-Cigarettes and "Dripping" Among High-School Youth · Using surveys, this study captures rates and reasons for ever use of e-cigarettes for "dripping"

among high school youth.

Suchitra Krishnan-Sarin, Meghan Morean, Grace Kong, Krysten W. Bold, Deepa R. Camenga, Dana A. Cavallo, Patricia Simon, Ran Wu

The print edition of Pediatrics contains abstracts of original research and full text of policies of the American Academy of Pediatrics. Full text of original research and all other journal article types can be found online at www.pediatrics.org.



Sample citation format: Ralston SL, Garber MD, Rice-Conboy E, et al. A Multicenter Collaborative to Reduce Unnecessary Care in Inpatient Bronchiolitis. Pediatrics. 2016;137(1):e20150851

American Academy of Pediatrics





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ARTICLES (continued)



💴 🎟 🕼 Alcohol Policies and Alcohol-Related Motor Vehicle **Crash Fatalities Among Young People in the US**

> · This study examines states' alcohol policy environments and their relation to motor vehicle crash fatalities among children, adolescents, and underage adults in the United States

Scott E Hadland, Ziming Xuan, Vishnudas Sarda, Jason Blanchette, Monica H Swahn, Timothy C Heeren, Robert B Voas, Timothy S Naimi



Poverty and Trends in Three Common Chronic Disorders

· By investigating trends in national survey data, this study captures the differential impact of poverty on prevalence and co-morbidities of 3 common chronic medical conditions.

Christian D. Pulcini, Bonnie T. Zima, Kelly J. Kelleher, Amy J. Houtrow

Variation in Sepsis Evaluation Across a National **Network of Nurseries**

· Variation exists in risk assessment of early onset sepsis that impacts the level of medical intervention and frequency of mother-infant separation among well-appearing term newborns.

Sagori Mukhopadhyay, James A. Taylor, Isabelle Von Kohorn, Valerie Flaherman, Anthony E. Burgos, Carrie A. Phillipi, Nui Dhepyasuwan, Elizabeth King, Miren Dhudasia, Karen M. Puopolo

Hospital Variations in Unexpected Complications Among Term Newborns

· We examined contributing factors and reasons for the large variation in hospital rates of unexpected complications among low-risk term newborns in Florida.

Yuri V. Sebastião, Lindsay S. Womack, Humberto López Castillo, Maya Balakrishnan, Karen Bruder, Paige Alitz, Linda A. Detman, Emily A. Bronson, John S. Curran, William M. Sappenfield

Association of Bronchiolitis Clinical Pathway Adherence With Length of Stay and Costs

• Higher adherence to a bronchiolitis clinical pathway is associated with decreased length of stay and costs with no increase in readmissions.

Mersine A. Brvan. Arti D. Desai. Lauren Wilson. Davene R. Wright, Rita Mangione-Smith

A Clinical Prediction Rule for Rebound Hyperbilirubinemia 35 **Following Inpatient Phototherapy**

· We describe a model that quantifies the risk of rebound hyperbilirubinemia to help clinicians decide when to discontinue inpatient phototherapy.

Pearl W. Chang, Michael W. Kuzniewicz, Charles E. McCulloch, Thomas B. Newman

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ARTICLES (continued)

U Seizures in Children With Cerebral Palsy and White Matter Injury

 This population-based study reveals that age-limited epileptic syndromes of childhood, with favorable seizure outcome, occur in children with cerebral palsy due to white matter injury.

Monica S. Cooper, Mark T. Mackay, Michael Fahey, Dinah Reddihough, Susan M. Reid, Katrina Williams, A. Simon Harvey

ACL Tears in School-Aged Children and Adolescents Over 20 Years

 Through review of insurance billing data, we observed a significant increase in ACL injuries in children and adolescents over the past 20 years.

Nicholas A. Beck, J. Todd R. Lawrence, James D. Nordin, Terese A. DeFor, Marc Tompkins

Comorbidities and Complications of Spinal Fusion for Scoliosis

 This study assesses associations of hospital resource use with comorbid conditions and acute events for children with complex neuromuscular and genetic diagnoses undergoing spinal fusion.

Jay G. Berry, Michael Glotzbecker, Jonathan Rodean, Izabela Leahy, Matt Hall, Lynne Ferrari

Sexual and Romantic Experiences of Transgender Youth Before Gender-Affirmative Treatment

 Sexual and romantic functioning in transgender youth compared to their same-aged peers: first steps and challenges.

Sara L. Bungener, Thomas D. Steensma, Peggy T. Cohen-Kettenis, Annelou L. C. de Vries

- Trends in the Diagnosis of Vitamin D Deficiency
 - Analysis of UK primary care data reveals a marked increase in the testing and diagnosis of vitamin D deficiency in children over the last decade.

Emre Basatemur, Laura Horsfall, Louise Marston, Greta Rait, Alastair Sutcliffe

Incentive-based Intervention to Maintain Breastfeeding Among Low-income Puerto Rican Mothers

 The study provides a proof-of-concept that monthly financial incentives contingent on observed breastfeeding increased breastfeeding rates through 6-month postpartum among low-income Puerto Rican mothers.

Yukiko Washio, Mara Humphreys, Elisa Colchado, Maria Sierra-Ortiz, Zugui Zhang, Bradley N. Collins, Linda M. Kilby, Donna J. Chapman, Stephan T. Higgins, Kimberly C. Kirby

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- Utilization of Mental Health Services After Mild Pediatric Traumatic Brain Injury
 - This study examines mental health care utilization in children with and without mental health diagnoses prior to a mild TBI and explores differences in mental health care utilization by race/ethnicity.

Nathalia Jimenez, Alex Quistberg, Monica S. Vavilala, Kenneth M. Jaffe, Frederick P. Rivara

Language Outcomes at 7 Years: Early Predictors and Co-Occurring Difficulties

 The ability of early factors to predict low language abilities at 7 years is explored together with the degree and nature of co-occurring difficulties present.

Cristina McKean, Sheena Reilly, Edith L. Bavin, Lesley Bretherton, Eileen Cini, Laura Conway, Fallon Cook, Patricia Eadie, Margot Prior, Melissa Wake, Fiona Mensah

Safety of Second-Dose Single-Antigen Varicella Vaccine

 We describe reports to the Vaccine Adverse Event Reporting System during 1999–2014 following second dose varicella vaccination among children aged 4–18 years.

John R. Su, Zanie Leroy, Paige W. Lewis, Penina Haber, Mona Marin, Jessica Leung, Emily Jane Woo, Tom T. Shimabukuro

Intimate Partner Violence and Child Behavioral Problems in South Africa

 Little research demonstrates the impact of IPV on children in lower to middle income countries. This analysis explores the association of caregiver IPV on child behavior in South Africa.

Pratibha Chander, Jane Kvalsvig, Claude A. Mellins, Shuaib Kauchali, Stephen M. Arpadi, Myra Taylor, Justin R. Knox, Leslie L. Davidson

A Support Program for Somali-born Parents on Children's Behavioral Problems

 This study shows how a culturally tailored parenting intervention could engage and retain immigrant parents and improve their children's behavioral problems.

Fatumo Osman, Renée Flacking, Ulla-Karin Schön, Marie Klingberg-Allvin

Targeting Sleep, Food, and Activity in Infants for Obesity Prevention: An RCT

 An RCT comparing effects of a conventional food and activity intervention versus a sleep behavior intervention on infant growth from birth to 2 years.

Barry J. Taylor, Andrew R. Gray, Barbara C. Galland, Anne-Louise M. Heath, Julie Lawrence, Rachel M. Sayers, Sonya Cameron, Maha Hanna, Kelly Dale, Kirsten J. Coppell, Rachael W. Taylor

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- 🕮 🕼 Safe Storage of Opioid Pain Relievers Among Adults Living in Households With Children · This article explores how adults' opioid storage practices and beliefs may be associated with the age of a child in the home. Eileen M. McDonald, Alene Kennedy-Hendricks, Emma E. McGinty, Wendy C. Shields, Colleen L. Barry, Andrea C. Gielen REE Overdose Risk in Young Children of Women Prescribed **Opioids**
 - The prescription opioid epidemic affects children. We explored the risk of overdose in young children of women prescribed opioids as opposed with non-opioid analgesics.

Yaron Finkelstein, Erin M. Macdonald, Alejandro Gonzalez, Marco L. A. Sivilotti, Muhammad M. Mamdani, David N. Juurlink, Canadian Drug Safety and Effectiveness Research Network (CDSERN)

Pediatric Exposures to Veterinary Pharmaceuticals

 From 1999-2013, a regional poison center received 1431 veterinary pharmaceutical-related calls for children ≤19 years of age. This study describes the epidemiology these calls.

Suzanne Tomasi, Kristin J. Roberts, Jason Stull, Henry A. Spiller, Lara B. McKenzie

Respiratory Morbidity in Infants Born With a Congenital **Lung Malformation**

· In a multicenter cohort of children with congenital lung malformation, this study evaluates the frequency of respiratory symptoms and factors associated to their occurrence

Celine Delestrain, Naziha Khen-Dunlop, Alice Hadchouel, Pierrick Cros, Héloïse Ducoin, Michael Fayon, Isabelle Gibertini, André Labbé, Géraldine Labouret, Marie-Noëlle Lebras, Guillaume Lezmi, Fouad Madhi, Guillaume Thouvenin, Caroline Thumerelle, Christophe Delacourt

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- **Psychiatric Disorders in Adolescents With Single Ventricle Congenital Heart Disease**
 - · Examination of adolescents with critical congenital heart disease revealed high risk for certain psychiatric morbidities, providing insight into clinical assessment and management of these youth.

David R. DeMaso, Johanna Calderon, George A. Taylor, Jennifer E. Holland, Christian Stopp, Matthew T. White, David C. Bellinger, Michael J. Rivkin, David Wypij, Jane W. Newburger

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- Decreasing Prescribing Errors During Pediatric Emergencies: A Randomized Simulation Trial
 - Precalculated medication doses reduce harmful prescribing errors in emergency situations and should be available in all settings where children could present in critical conditions.

Guylaine Larose, Arielle Levy, Benoit Bailey, Barbara Cummins-McManus, Denis Lebel, Jocelyn Gravel

Socioeconomic Attainment of Extremely Low Birth Weight Survivors: The Role of Early Cognition

 This study examined if childhood cognition at age 8 mediated the association between being born at extremely low birth weight and socioeconomic attainment in adulthood.

Kathleen G. Dobson, Mark A. Ferro, Michael H. Boyle, Louis A. Schmidt, Saroj Saigal, Ryan J. Van Lieshout

Perspectives of Low Socioeconomic Status Mothers of Premature Infants

 Using in-depth interviews, our study explored perspectives of low-income mothers of premature infants, revealing substantial anxiety about discharge and the importance of trust in providers.

Elizabeth Enlow, Laura J. Faherty, Sara Wallace-Keeshen, Ashley E Martin, Judy A. Shea, Scott A. Lorch

Daptomycin for Complicated Skin Infections: A Randomized Trial

 Randomized, controlled trial evaluating daptomycin for treating Gram-positive complicated skin infections in children. The trial showed that daptomycin was well tolerated, with efficacy comparable to standard-of-care therapy.

John Bradley, Chad Glasser, Hernando Patino, Sandra R. Arnold, Antonio Arrieta, Blaise Congeni, Robert S. Daum, Tsoline Kojaoghlanian, Minjung Yoon, Diane Anastasiou, Dominik J. Wolf, Paula Bokesch

Trends in Anthropometric Measures Among US Children 6 to 23 Months, 1976–2014

 This study assesses national trends in anthropometric measures among infants aged 6–23 months by using serial cross-sectional data with measured weight and length.

Lara J. Akinbami, Brian K. Kit, Margaret D. Carroll, Tala H.I. Fakhouri, Cynthia L. Ogden

Hearing Loss in Children With Asymptomatic Congenital Cytomegalovirus Infection

 The prevalence, characteristics, and risk of sensorineural hearing loss are assessed in children with asymptomatic congenital cytomegalovirus infection identified through hospital-based newborn screening managed through 18 years of age.

Tatiana M. Lanzieri, Winnie Chung, Marily Flores, Peggy Blum, A. Chantal Caviness, Stephanie R. Bialek, Scott D. Grosse, Jerry A. Miller, Gail Demmler-Harrison, Congenital Cytomegalovirus Longitudinal Study Group

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- 🕮 Parental Health Literacy and Outcomes of Childhood **Nephrotic Syndrome**
 - This cohort study investigates the association of parental health literacy with treatment response among children with nephrotic syndrome.

Karlota Borges, Cathryn Sibbald, Neesha Hussain-Shamsy, Jovanka Vasilevska-Ristovska, Tonny Banh, Viral Patel, Josefina Brooke, Monica Piekut, Michele Reddon, Kimberly Aitken-Menezes, Ashley McNaughton, Rachel J. Pearl, Valerie Langlois, Seetha Radhakrishnan, Christoph P.B. Licht, Tino D. Piscione, Leo Levin, Damien Noone, Diane Hebert, Rulan S. Parekh

Pediatric Resident Burnout and Attitudes Toward Patients

 Burnout is highly prevalent among pediatric residents across multiple programs, and is associated with negative self-reported patient care attitudes and behaviors.

Tamara Elizabeth Baer, Angela M. Feraco, Selin Tuysuzoglu Sagalowsky, David Williams, Heather J. Litman, Robert J. Vinci

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	This systematic review of the existing literature with meta-analysis reports on the efficacy and safety of nonoperative treatment of acute uncomplicated appendicitis in children relative to appendectomy. <i>Roxani Georgiou, Simon Eaton, Michael P. Stanton,</i>	
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U	 Inhaled Corticosteroids and Respiratory Infections in Children With Asthma: A Meta-analysis Meta-analysis of 31 randomized trials reveals that regular use of ICS may not increase risk of pneumonia or other respiratory infections in children with asthma. Cristine Cazeiro, Cristina Silva, Susana Mayer, Vanessa Mariany, Claire Elizabeth Wainwright, Linjie Zhang 	68
U	 NICU-based Interventions To Reduce Maternal Depressive and Anxiety Symptoms: A Meta-analysis This systemic review and meta-analysis synthesizes findings on NICU-based interventions to reduce maternal depressive or anxiety symptoms. 	69

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REVIEW ARTICLES—Online only at www.pediatrics.org (continued)

Preterm Infant Growth Velocity Calculations: **A Systematic Review**

• The many different methods used to calculate preterm infant growth velocity make comparisons between studies and with published values difficult if not impossible.

Tanis R. Fenton, Hilton T. Chan, Aiswarya Madhu, Ian J. Griffin, Angela Hoyos, Ekhard E. Ziegler, Sharon Groh-Wargo, Susan J. Carlson, Thibault Senterre, Diane Anderson, Richard A. Ehrenkranz

Minimally Important Differences in Patient or Proxy-Reported Outcome Studies Relevant to Children: **A Systematic Review**

 Through a rigorous systematic review, this study provides a compendium of MIDs to better interpret the magnitude of treatment effects for PROs relevant to children.

Shanil Ebrahim, Kelsey Vercammen, Arunima Sivanand, Gordon H. Guyatt, Alonso Carrasco-Labra, Ricardo M. Fernandes, Mark W. Crawford, Gihad Nesrallah, Bradley C. Johnston

STATE-OF-THE-ART REVIEW ARTICLE—Online only at www.pediatrics.org

Pulmonary Hypertension Therapy and a Systematic Review of Efficacy and Safety of PDE-5 Inhibitors

· This systematic review underscores the need for effective therapies for pediatric PH. Data indicate improved oxygenation and hemodynamics in children with PH on PDE5 inhibitors.

Chinwe Unegbu, Corina Noje, John D. Coulson, Jodi B. Segal, Lewis Romer

SPECIAL ARTICLES—Online only at www.pediatrics.org

Pediatric Hospital Medicine: A Proposed New Subspecialty

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 This article describes the challenges and opportunities that the American Board of Pediatrics had to consider in its recommendation to the American Board of Medical Specialties to recognize Pediatric Hospital Medicine as a new pediatric subspecialty.

Douglas J. Barrett, Gail A. McGuinness, Christopher A. Cunha, S. Jean Emans, William T. Gerson, Mary F. Hazinski, George Lister, Karen F. Murray, Joseph W. St. Geme III, Patricia N. Whitley-Williams

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SPECIAL ARTICLES—Online only at www.pediatrics.org (continued)

The Sudden Death in the Young Case Registry: Collaborating to Understand and Reduce Mortality

> This special article describes the Sudden Death in the Young Case Registry, which provides valuable incidence data and enhances understanding of the characteristics of pediatric deaths to inform prevention efforts.

> Kristin M. Burns, Lauren Bienemann, Lena Camperlengo, Carri Cottengim, Theresa M. Covington, Heather Dykstra, Meghan Faulkner, Rosemarie Kobau, Alexa B. Erck Lambert, Heather MacLeod, Sharyn E. Parks, Ellen Rosenberg, Mark W. Russell, Carrie K. Shapiro-Mendoza, Esther Shaw, Niu Tian, Vicky Whittemore, Jonathan R. Kaltman, Sudden Death in the Young Case Registry Steering Committee

DIAGNOSTIC DILEMMAS

A 17-Year-Old With Chest Pain

 A 17-year-old male presents with severe chest pain, but an extensive interdisciplinary evaluation reveals a rare, underlying diagnosis in time for life-saving treatment.

Ankoor Y. Shah, Megan Jamison, Hansel J. Otero, Lawrence Jung, Lowell H. Frank, Michael F. Guerrera, A. Yasmine Kirkorian

ETHICS ROUNDS

Ethical Concerns When Minors Act as Standardized Patients

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• Minors are sometimes recruited to help medical educators by acting as standardized patients. Are there risks? Should there be safeguards?

Erwin Jiayuan Khoo, Robert D. Schremmer, Douglas S. Diekema, John D. Lantos

QUALITY REPORTS—Online only at www.pediatrics.org

for pediatric pneumonia.

A Multicenter Collaborative to Improve Care of Community Acquired Pneumonia in Hospitalized Children

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 Through low-cost strategies including collaborative sharing and peer benchmarking, this study increased judicious use of antibiotics in a diverse range of hospitals

Kavita Parikh, Eric Biondi, Joanne Nazif, Faiza Wasif, Derek J. Williams, Elizabeth Nichols, Shawn Ralston, Value in Inpatient Pediatrics Network Quality Collaborative For Improving Care In Community Acquired Pneumonia

Increasing Tdap Coverage Among Postpartum Women: A Quality Improvement Intervention

 This study describes a quality improvement initiative that increased maternal Tdap immunization in the immediate postpartum period.

Henry H. Bernstein, Mikhaela Monty, Patriot Yang, Amy Cohen

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QUALITY REPORTS—Online only at www.pediatrics.org (continued)

Project IMPACT Pilot Report: Feasibility of Implementing a Hospital-to-Home Transition Bundle

 This study describes implementation of a pediatric patient-centered hospital-to-home care transition bundle across 4 sites.

Leah A. Mallory, Snezana Nena Osorio, B. Stephen Prato, Jennifer DiPace, Lisa Schmutter, Paula Soung, Amanda Rogers, William J. Woodall, Kayla Burley, Sandra Gage, David Cooperberg, IMPACT Pilot Study Group

CASE REPORTS—Online only at www.pediatrics.org

Transverse Myelitis as Manifestation of Celiac Disease in a Toddler

 A case of transverse myelitis as manifestation of celiac disease in a 17-month old girl who completely recovered after gluten free diet and methylprednisolone therapy.

Hilde Krom, Fleur Sprangers, René van den Berg, Marc Alexander Benninga, Angelika Kindermann

C septicum Complicating Hemolytic Uremic Syndrome: Survival Without Surgical Intervention

 This case report presents 3 cases of *C septicum*, a rare complication of HUS, focusing on key diagnostic signs and the importance of early antibiotic initiation.

Rachel M. Engen, Elizabeth Y. Killien, Jessica L. Davis, Jordan M. Symons, Silvia M. Hartmann

Ganglioglioma Arising From Desmoplastic Medulloblastoma: A Case Report and Review of Literature

 This report describes the rare case of a patient with an infantile desmoplastic medulloblastoma maturing into a benign ganglioglioma post-therapy and suggests a role for differentiation therapy in desmoplastic medulloblastoma.

Santosh Valvi, David S. Ziegler

Are Patients With Loeys-Dietz Syndrome Misdiagnosed With Beals Syndrome?

 Beals syndrome, also known as congenital contractural arachnodactyly, due to a FBN2 mutation, shares a number of clinical features with Loeys-Dietz syndrome, though Loeys-Dietz syndrome carries a worse prognosis owing to its cardiac effects.

Rebecca Woolnough, Andrew Dhawan, Kimberly Dow, Jagdeep S. Walia

e-Letters-Online only at www.pediatrics.org

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