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Home > December 2019 - Volume 94 - Issue 12

< Previous Issue | Next Issue >

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December 2019

Volume 94

Issue 12

1847

Resolving Trust in Undergraduate Medical Education

1854

Addressing the Minority Tax: Building Minority Faculty Success in Academic Medicine

1910

Teaching Medical Students to Identify, Understand, and Engage in Reporting Medical Errors

1935

How Physicians Prepare for Maintenance of Certification Exams

1939

Medical School Grading Usability: An All-Encompassing Series

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December 2019 - Volume 94 - Issue 12

Table of Contents Outline

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From the Editor

Three Wishes

Sklar, David P.

Academic Medicine. 94(12):1839-1841, December 2019.

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A Fond Farewell

Academic Medicine. 94(12):1842, December 2019.

[Favorites](#) [PDF](#) [Get Content & Permissions](#)

[Table of Contents Outline](#) | [Back to Top](#)

 Letters to the Editor

A Call for Medical Schools to Teach Opioid Use Disorder Treatment

Shapiro, Aaron M.

Academic Medicine. 94(12):1843, December 2019.

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True to Reality or True to Ourselves? Rationalism vs Idealism for Matching Medical Students

Highet, Alexandra; Kurtz, Joshua B.; Spadafore, Maxwell

Academic Medicine. 94(12):1843, December 2019.

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In Reply

Prober, Charles G.

Academic Medicine. 94(12):1843-1844, December 2019.

[Favorites](#) [PDF](#) [Get Content & Permissions](#)

Breaking Barriers to Health Care in the United Kingdom

Rathbone, Ruby

Academic Medicine. 94(12):1844, December 2019.

[Favorites](#) [PDF](#) [Get Content & Permissions](#)

In Reply

Cuneo, C. Nicholas; Lin, Stephanie; Bernhardt, Lydia J.

Academic Medicine. 94(12):1845, December 2019.

[Favorites](#) [PDF](#) [Get Content & Permissions](#)

Benefits of Heuristic and Bias Awareness in Medical Education

Sussman, Jon D.

Academic Medicine. 94(12):1845, December 2019.

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The Stretch Circle: A Preoperative Surgical Team Improvisation Exercise

Shahawy, Sarrah; Watson, Katie; Milad, Magdy P.

Academic Medicine. 94(12):1846, December 2019.

[□ Favorites](#) [□ PDF](#) [□ Get Content & Permissions](#)

[Table of Contents Outline](#) | [Back to Top](#)

 Invited Commentaries

Taking Students as They Should Be: Restoring Trust in Undergraduate Medical Education

Slavin, Stuart; Smith, Gregory

Academic Medicine. 94(12):1847-1850, December 2019.

[□ Abstract](#) [□ Favorites](#) [□ PDF](#) [□ Get Content & Permissions](#)

Establishing Trust When Assessing Learners: Barriers and Opportunities

Dolan, Brigid M.; Arnold, Jason; Green, Marianne M.

Academic Medicine. 94(12):1851-1853, December 2019.

[□ Abstract](#) [□ Favorites](#) [□ PDF](#) [□ Get Content & Permissions](#)

Addressing the Minority Tax: Perspectives From Two Diversity Leaders on Building Minority Faculty Success in Academic Medicine

Campbell, Kendall M.; Rodríguez, José E.

Academic Medicine. 94(12):1854-1857, December 2019.

[□ Abstract](#) [□ Favorites](#) [□ PDF](#) [□ Get Content & Permissions](#)

[Table of Contents Outline](#) | [Back to Top](#)

☐ Teaching and Learning Moments

Lost to Follow-up

Nutt, Cameron T.

Academic Medicine. 94(12):1850, December 2019.

☐ Favorites ☐ PDF ☐ Get Content & Permissions

BLOG

A Tale of Two Passings

Smith, Sarah

Academic Medicine. 94(12):1864, December 2019.

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BLOG

Navigating Politics as a Medical Student of Mexican Descent

Harry-Hernandez, Salem

Academic Medicine. 94(12):1903, December 2019.

☐ Favorites ☐ PDF ☐ Get Content & Permissions

BLOG

[Table of Contents Outline](#) | [Back to Top](#)

☐ Perspectives

Moving Toward Summative Competency Assessment to Individualize the Postclerkship Phase

Keeley, Meg G.; Gusic, Maryellen E.; Morgan, Helen K.; [More](#)

Academic Medicine. 94(12):1858-1864, December 2019.

☐ Abstract ☐ Favorites ☐ PDF ☐ Get Content & Permissions

Competency Committees in Undergraduate Medical Education: Approaching Tensions Using a Polarity Management Framework

Monrad, Seetha U.; Mangrulkar, Rajesh S.; Woolliscroft, James O.; [More](#)

Academic Medicine. 94(12):1865-1872, December 2019.

[Abstract](#) [Favorites](#) [PDF](#) [Get Content & Permissions](#)

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Dynamic Tensions Following New Pedagogy in Undergraduate Medical Education

Daneman, Denis; Benatar, Solomon

Academic Medicine. 94(12):1873-1877, December 2019.

[Abstract](#) [Favorites](#) [PDF](#) [Get Content & Permissions](#)

A Psychological Foundation for Team-Based Learning: Knowledge Reconsolidation

Schmidt, Henk G.; Rotgans, Jerome I.; Rajalingam, Preman; [More](#)

Academic Medicine. 94(12):1878-1883, December 2019.

[Abstract](#) [Favorites](#) [PDF](#) [Get Content & Permissions](#)

SDC

Academic Medicine and Science Diplomacy: Medical Education in Iraq

Kron, Michael; Roenius, Matthew; Alqortasi, Mohammed Abdul Mahdi; [More](#)

Academic Medicine. 94(12):1884-1890, December 2019.

[Abstract](#) [Favorites](#) [PDF](#) [Get Content & Permissions](#)

[Table of Contents Outline](#) | [Back to Top](#)

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Home > December 2019 - Volume 94 - Issue 12

< Previous Issue | Next Issue >



December 2019 - Volume 94 - Issue 12

- Table of Contents Outline
- Subscribe to eTOC
- View Contributor Index

Articles

The Evolution of Resident Remedial Teaching at One Institution

Guerrasio, Jeannette; Brooks, Elizabeth; Rumack, Carol M.; More

Academic Medicine. 94(12):1891-1894, December 2019.

- Abstract
- Favorites
- PDF
- Get Content & Permissions

Securing a Network for a Research-Intensive, Referral Academic Medical

Center: University of Kentucky HealthCare as a Case Study

Edwards, Robert L.; Birdwhistell, Mark D.; Zembrodt, James W.; [More](#)

Academic Medicine. 94(12):1895-1902, December 2019.

[Abstract](#) [Favorites](#) [PDF](#) [Get Content & Permissions](#)

[Table of Contents Outline](#) | [Back to Top](#)

Medicine and the Arts

Silent Night: [Excerpt]

Puts, Kevin; Campbell, Mark

Academic Medicine. 94(12):1904, December 2019.

[Favorites](#) [PDF](#) [Get Content & Permissions](#)

Commentary on an Excerpt From *Silent Night*

DeBaets, Amy Michelle

Academic Medicine. 94(12):1905, December 2019.

[Favorites](#) [PDF](#) [Get Content & Permissions](#)

[Table of Contents Outline](#) | [Back to Top](#)

Gold Foundation Essays

2019 Hope Babette Tang Humanism in Healthcare Essay Contest: First Place Nursing Student Essay

Schultz, Kathleen

Academic Medicine. 94(12):1906-1907, December 2019.

[Favorites](#) [PDF](#) [Get Content & Permissions](#)

2019 Hope Babette Tang Humanism in Healthcare Essay Contest: First Place Medical Student Essay: The Healing Yellow Raincoat

Butler, April

Academic Medicine. 94(12):1908-1909, December 2019.

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[BLOG](#)

[Table of Contents Outline](#) | [Back to Top](#)

[Innovation Reports](#)

What Do I Do When Something Goes Wrong? Teaching Medical Students to Identify, Understand, and Engage in Reporting Medical Errors

Ryder, Hilary F.; Huntington, Jonathan T.; West, Alan; [More](#)

Academic Medicine. 94(12):1910-1915, December 2019.

[Abstract](#) [Favorites](#) [PDF](#) [Get Content & Permissions](#)

[SDC](#)

[BLOG](#)

S-PACK: A Modular and Modifiable, Comprehensive Predeparture Preparation Curriculum for Global Health Experiences

St Clair, Nicole E.; Butteris, Sabrina M.; Cobb, Carmen; [More](#)

Academic Medicine. 94(12):1916-1921, December 2019.

[Abstract](#) [Favorites](#) [PDF](#) [Get Content & Permissions](#)

[SDC](#)

[Table of Contents Outline](#) | [Back to Top](#)

[Research Reports](#)

Explicit Dialogue About the Purpose of Hospital Admission Is Essential: How Different Perspectives Affect Teamwork, Trust, and Patient Care

Baranova, Katherina; Torti, Jacqueline; Goldszmidt, Mark

Academic Medicine. 94(12):1922-1930, December 2019.

[Abstract](#) [Favorites](#) [PDF](#) [Get Content & Permissions](#)

How Physicians Prepare for Maintenance of Certification Exams: A Qualitative Study

Chesluk, Benjamin J.; Eden, Aimee R.; Hansen, Elizabeth R.; [More](#)

Academic Medicine. 94(12):1931-1938, December 2019.

[Abstract](#) [Favorites](#) [PDF](#) [Get Content & Permissions](#)

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Evaluation of Medical School Grading Variability in the United States: Are All Honors the Same?

Westerman, Mary E.; Boe, Chelsea; Bole, Raevti; [More](#)

Academic Medicine. 94(12):1939-1945, December 2019.

[Abstract](#) [Favorites](#) [PDF](#) [Get Content & Permissions](#)

[SDC](#)

Do End-of-Rotation Evaluations Adequately Assess Readiness to Operate?

Ahle, Samantha L.; Schuller, Mary; Clark, Michael J.; [More](#)

Academic Medicine. 94(12):1946-1952, December 2019.

[Abstract](#) [Favorites](#) [PDF](#) [Get Content & Permissions](#)

[SDC](#)

Reflections From the Rearview Mirror: Internal Medicine Physicians' Reactions to Clinical Feedback After Transitions of Responsibility

Bowen, Judith L.; Ilgen, Jonathan S.; Regehr, Glenn; [More](#)

Academic Medicine. 94(12):1953-1960, December 2019.

[Abstract](#) [Favorites](#) [PDF](#) [Get Content & Permissions](#)

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Competencies and Feedback on Internal Medicine Residents' End-of-Rotation Assessments Over Time: Qualitative and Quantitative Analyses

Tekian, Ara; Park, Yoon Soo; Tilton, Sarette; [More](#)

Academic Medicine. 94(12):1961-1969, December 2019.

[Abstract](#) [Favorites](#) [PDF](#) [Get Content & Permissions](#)

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Realizing One's Own Subjectivity: Assessors' Perceptions of the Influence of Training on Their Conduct of Workplace-Based Assessments

Hodwitz, Kathryn; Kuper, Ayelet; Brydges, Ryan

Academic Medicine. 94(12):1970-1979, December 2019.

[Abstract](#) [Favorites](#) [PDF](#) [Get Content & Permissions](#)

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Outcomes of a Longitudinal Quality Improvement and Patient Safety Preclerkship Curriculum

Dumenco, Luba; Monteiro, Kristina; George, Paul; [More](#)

Academic Medicine. 94(12):1980-1987, December 2019.

[Abstract](#) [Favorites](#) [PDF](#) [Get Content & Permissions](#)

Positioning the Work of Health Professions Education Scholarship Units: How Canadian Directors Harness Institutional Logics Within Institutional Orders to Convey Unit Legitimacy

Kahlke, Renate; Varpio, Lara

Academic Medicine. 94(12):1988-1994, December 2019.

[Abstract](#) [Favorites](#) [PDF](#) [Get Content & Permissions](#)

SDC

[Table of Contents Outline](#) | [Back to Top](#)

Cover Art

Artist’s Statement: Lost Stars

McAdams, Ryan M.

Academic Medicine. 94(12):1930, December 2019.

[Favorites](#) [PDF](#) [Get Content & Permissions](#)

[Table of Contents Outline](#) | [Back to Top](#)

Reviews

Describing the Evidence Base for Accreditation in Undergraduate Medical

Education Internationally: A Scoping Review

Tackett, Sean; Zhang, Christiana; Nassery, Najlla; [More](#)

Academic Medicine. 94(12):1995-2008, December 2019.

[Abstract](#) [Favorites](#) [PDF](#) [Get Content & Permissions](#)

SDC

[Table of Contents Outline](#) | [Back to Top](#)

AM Last Page

From Monotony to Motivation: Effective Presentation of Epidemiological Data

Freed, Jason A.; Hale, Andrew J.; Ricotta, Daniel N.; [More](#)

Academic Medicine. 94(12):2011, December 2019.

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[Table of Contents Outline](#) | [Back to Top](#)

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[Previous Issue](#) | [Next Issue](#)

Articles

[Caring for Transgender and Gender-Diverse Persons: What Clinicians Should Know](#)

David A. Klein; Scott L. Paradise; Emily T. Goodwin

[Dental Problems in Primary Care](#)

Mark B. Stephens; Joseph P. Wiedemer; George M. Kushner

[Crohn's Disease: Diagnosis and Management](#)

Brian Veauthier; Jaime R. Hornecker

Departments

[AAFP News: AFP Edition](#)

Close-ups: [Faith in Subtraction: Deprescribing in Older Patient Facilitates Needed Surgery](#)

Martina Kelly

Editorials: [The Responsibility of Family Physicians to Our Transgender Patients](#)

Sarah Stumbar

Cochrane for Clinicians: [Deep Venous Thrombosis: Home vs. Inpatient Treatment](#)

Cormac O'Connor; Aaron Saguil

Cochrane for Clinicians: [Preventing or Delaying Type 2](#)

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Amy Crawford-Faucher

FPIN's Help Desk Answers: [Wearable Devices for Weight Loss](#)

Kevin Stephens; Elise Morris

Curbside Consultation: [Practical Considerations of Caring for Patients Abroad During Short-term Medical Trips](#)

Victoria McCurry; Sommer Aldulaimi

Photo Quiz: [Pruritic Rash on the Hands and Feet](#)

Jinal Gangar; Karthy Thiagarajan; Nandhini Veeraraghavan

Practice Guidelines: [Lung Cancer Screening Recommendations from the ACCP](#)

Carrie Armstrong

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Medicine by the Numbers: [Early Invasive Management of Acute Coronary Syndromes](#)

Sally Liang; Michael Ritchie

Patient Information

[Crohn's Disease](#)

[Common Dental Infections](#)

POEMS

[Advance Care Planning Increases Execution of Advance Directives and Surrogate Decision-Maker Assignment](#)

[Incidental Findings Are Common with Chest CT and MRI of the Spine and Brain](#)

[Mifepristone Pretreatment Improves Success Rate of Misoprostol for Early Pregnancy Loss](#)

[Direct Oral Anticoagulants Preferred Over Warfarin for Nonvalvular Atrial Fibrillation in Patients Also Taking Low-Dose Aspirin](#)

LETTERS TO THE EDITOR

[Evidence Supporting Niacin Therapy Is More Nuanced Than Article States](#)

Paul Pisarik

[Does Niacin Have Cardiovascular Benefits in Patients with Dyslipidemia?](#)

Cezary Wojcik, MD, PhD

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[Previous Issue](#) | [Next Issue](#)

Articles

[Counseling Patients in Primary Care: Evidence-Based Strategies](#)

H. Russell Searight

[The Adult Well-Male Examination](#)

Joel J. Heidelbaugh

[School Absenteeism in Children and Adolescents](#)

Claudia W. Allen; Sharon Diamond-Myrsten; Lisa K. Rollins

Departments

[AAFP News: AFP Edition](#)

Editorials: [Why Are We So Slow to Adopt Some Evidence-Based Practices?](#)

Mark H. Ebell; Allen F. Shaughnessy; David C. Slawson

Photo Quiz: [Urticarial, Erythematous Papules in a Pregnant Woman](#)

Brittany P. Smirnov; Alexandra A. Bowles

Point-of-Care Guides: [Evaluating Benefits and Harms of Anticoagulation in Patients with Atrial Fibrillation](#)

Mark H. Ebell

Putting Prevention into Practice: [Screening for Peripheral](#)

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↑ TOP

[Artery Disease and Cardiovascular Disease Risk Assessment with the Ankle-Brachial Index](#)

Justin Mills; Martha Duffy

Practice Guidelines: [Crohn's Disease: ACG Releases Updated Management Guidelines](#)

Lisa M. Croke

AVAILABLE ONLINE AND IN THE MOBILE APP EDITION

U.S. Preventive Services Task Force: [Screening for Peripheral Artery Disease and Cardiovascular Disease Risk Assessment with the Ankle-Brachial Index: Recommendation Statement](#)

Patient Information

[School Absences: What You Should Know](#)

LETTERS TO THE EDITOR

[More Evidence Needed Regarding the Utility of Genetic Testing for Alzheimer Dementia](#)

Amrit Riarh; Gretchen Shelesky; Linda Hogan

Reply: Nathan Falk

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[CME Course Information](#)

[Evidence-Based Medicine Glossary](#)

[Strength-of-Recommendation Taxonomy in AFP](#)

[Classified Information](#)

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DECEMBER 2019 ■ Volume 221, Number 6

EDITORIAL

539 Vasa previa: time to make a difference

Yinka Oyelese

➤ Related articles, pages 644 and 646

EXPERT REVIEWS

542 To the Point: a prescription for well-being in medical education

Laura Hopkins; Helen Morgan; Samantha D. Buery-Joyner; LaTasha B. Craig; Elise N. Everett; David A. Forstein; Scott C. Graziano; Brittany S. Hampton; Margaret L. McKenzie; Sarah M. Page-Ramsey; Archana Pradhan; Susan Bliss; Undergraduate Medical Education Committee, Association of Professors of Gynecology and Obstetrics

We review the importance of including well-being support and training in the medical curriculum and include resources that help educators incorporate, assess, and customize their own curriculum to enhance learner well-being.

549 The fetal origins of mental illness

Benjamin J. S. al-Haddad; Elizabeth Oler; Blair Armistead; Nada A. Elsayed; Daniel R. Weinberger; Raphael Bernier; Irina Burd; Raj Kapur; Bo Jacobsson; Caihong Wang; Indira Mysorekar; Lakshmi Rajagopal; Kristina M. Adams Waldorf

This review summarizes new evidence for how infections during pregnancy can alter fetal brain development and predispose the child to mental illness decades after birth.

SYSTEMATIC REVIEWS

563 The impact of occupational shift work and working hours during pregnancy on health outcomes: a systematic review and meta-analysis



Chenxi Cai; Ben Vandermeer; Rshmi Khurana; Kara Nerenberg; Robin Featherstone; Meghan Sebastianski; Margie H. Davenport

Pregnant women who work rotating shifts, fixed night shifts, or more than 40 hours per week have an increased risk of adverse pregnancy outcomes.

(continued)

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(continued)

CLINICAL OPINION

- 577 Fetal electrocardiography ST-segment analysis for intrapartum monitoring: a critical appraisal of conflicting evidence and a way forward**
Isis Amer-Wählin; Austin Ugwumadu; Branka M. Yli; Anneke Kwee; Susanna Timonen; Vanessa Cole; Diogo Ayres-de-Campos; Georges-Emmanuel Roth; Christiane Schwarz; Luca A. Ramenghi; Tullia Todros; Virginie Ehlinger; Christophe Vayssiere; On behalf of the Study Group of Intrapartum Fetal Monitoring (European Association of Perinatal Medicine)

This narrative review critically appraises the evidence for the use of ST analysis for intrapartum fetal monitoring and concludes that compared to CTG alone, the use of CTG plus ST analysis in high-risk women by well-trained staff results in a significant one-third reduction of metabolic acidosis without increasing operative deliveries.

- 602 Opioids affect the fetal brain: reframing the detoxification debate**

Steve N. Caritis; Ashok Panigrahy

The effect of opioids on the fetal brain must be considered in determining management options for pregnant women with an opioid-use disorder.

CALL TO ACTION

- 609 Changing the conversation: applying a health equity framework to maternal mortality reviews**

Michael R. Kramer; Andrea E. Strahan; Jessica Preslar; Julie Zaharatos; Amy St Pierre; Jacqueline E. Grant; Nicole L. Davis; David A. Goodman; William M. Callaghan

Incorporating measures of women's sociospatial context within a health equity framework can help maternal mortality review committees better address disparities.

ORIGINAL RESEARCH

Articles abstracted in this issue appear in full at ajog.org

GYNECOLOGY

- 617 The combined impact of maternal age and body mass index on cumulative live birth following in vitro fertilization**



Randi H. Goldman; Leslie V. Farland; Ann Muir Thomas; Chloe A. Zera; Elizabeth S. Ginsburg

Delaying conception to achieve a lower body mass index before in vitro fertilization may be detrimental to the cumulative live birth rate for older women with obesity.

- 619 Impact of surgical approach on oncologic outcomes in women undergoing radical hysterectomy for cervical cancer**

Maria C. Cusimano; Nancy N. Baxter; Lilian T. Gien; Rahim Moineddin; Ning Liu; Fahima Dossa; Karla Willows; Sarah E. Ferguson

Minimally invasive radical hysterectomy is associated with increased death and recurrence compared to open radical hysterectomy in stage IB cervical cancer patients even after controlling for surgeon volume.

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ORIGINAL RESEARCH *(continued)***621** Patient perceptions of same-day discharge after minimally invasive gynecologic and pelvic reconstructive surgery

Sarah Evans; Erinn M. Myers; Smitha Vilasagar

Most patients perceive same-day discharge favorably following minimally invasive gynecological and pelvic reconstructive surgery.

623 Disparities in healthcare services in women with endometriosis with public vs private health insurance

Jessica Fourquet; Diego E. Zavala; Stacey Missmer; Nabal Bracero; Josefina Romaguera; Idhaliz Flores

We report significant differences in utilization trends of endometriosis-related healthcare services and drug prescriptions based on socioeconomic parameters, indicative of health disparities in this population.

625 Outcomes of secondary cytoreductive surgery for patients with platinum-sensitive recurrent ovarian cancer

Allison Gockley; Alexander Melamed; Angel Cronin; Michael A. Bookman; Robert A. Burger; Mihaela C. Cristae; Jennifer J. Griggs; Gina Mantia-Smaldone; Ursula A. Matulonis; Larissa A. Meyer; Joyce Niland; David M. O'Malley; Alexi A. Wright

Secondary cytoreductive surgery is associated with improved overall survival among select patients with platinum-sensitive recurrent ovarian cancer in a multi-institutional retrospective cohort.

627 Mediterranean diet and outcomes of assisted reproduction: an Italian cohort study

Elena Ricci; Francesca Bravi; Stefania Noli; Edgardo Somigliana; Sonia Cipriani; Marta Castiglioni; Francesca Chiaffarino; Michele Vignali; Benedetta Gallotti; Fabio Parazzini

In an Italian population of women undergoing assisted reproduction techniques, no clear association was observed between adherence to a Mediterranean diet and successful in vitro fertilization.

629 Risks of preoperative anemia in women undergoing elective hysterectomy and myomectomy

Ally Murji; Melody Lam; Britney Allen; Lucie Richard; Salimah Z. Shariff; Peter C. Austin; Jeannie Callum; Lorraine Lipscombe

In women undergoing elective hysterectomy or myomectomy for benign indications, preoperative anemia (hemoglobin <12 g/dL) was an independent risk factor for 30 day postoperative adverse outcomes.

631 Multiparity is associated with poorer cardiovascular health among women from the Multi-Ethnic Study of Atherosclerosis

Oluseye Ogunmoroti; Olatokunbo Osibogun; Olamide B. Kolade; Wendy Ying; Garima Sharma; Dhananjay Vaidya; Erin D. Michos

Multiparity is associated with poorer cardiovascular health among women in middle or late adulthood.

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(continued)

ORIGINAL RESEARCH (continued)

OBSTETRICS

633 Maternal cardiac parameters can help in differentiating the clinical profile of preeclampsia and in predicting progression from mild to severe forms

Elvira Di Pasquo; Tullio Ghi; Andrea Dall'Asta; Laura Angeli; Stefania Fieni; Giuseppe Pedrazzi; Tiziana Frusca

Cardiac output, systemic vascular resistance and pulsatility index of uterine arteries in women with mild preeclampsia predict the evolution toward severe forms.

635 Fetal growth patterns in pregnancy-associated hypertensive disorders: NICHD Fetal Growth Studies



Julio Mateus; Roger B. Newman; Cuilin Zhang; Sarah J. Pugh; Jagteshwar Grewal; Sungduk Kim; William A. Grobman; John Owen; Anthony C. Sciscione; Ronald J. Wapner; Daniel Skupski; Edward Chien; Deborah A. Wing; Angela C. Ranzini; Michael P. Nageotte; Nicole Gerlanc; Paul S. Albert; Katherine L. Grantz

Fetal growth in pregnancy-associated hypertensive disorders is abnormal only in severe preeclampsia and is characterized by asymmetric growth reduction identifiable as early as midgestation.

638 Randomized comparison of a reduced-visit prenatal care model enhanced with remote monitoring



Yvonne S. Butler Tobah; Annie LeBlanc; Megan E. Branda; Jonathan W. Inselman; Megan A. Morris; Jennifer L. Ridgeway; Dawn M. Finnie; Regan Theiler; Vanessa E. Torbenson; Ellen M. Brodrick; Marnie Meylor de Mooij; Bobbie Gostout; Abimbola Famuyide

A reduced-visit prenatal care model supplemented with remote monitoring results in higher patient satisfaction and lower prenatal stress, while maintaining care standards for pregnant women.

640 First stage of labor progression in women with large-for-gestational age infants

Stephanie A. Blankenship; Candice L. Woolfolk; Nandini Raghuraman; Molly J. Stout; George A. Macones; Alison G. Cahill

Women with large-for-gestational age infants, particularly obese and nulliparous women, progress more slowly through active labor than women with appropriate-for-gestational age infants.

642 Prediction of spontaneous vaginal delivery in nulliparous women with a prolonged second stage of labor: the value of intrapartum ultrasound



Andrea Dall'Asta; Laura Angeli; Bianca Masturzo; Nicola Volpe; Giovanni Battista Luca Schera; Elvira Di Pasquo; Flavia Girlando; Rossella Attini; Guido Menato; Tiziana Frusca; Tullio Ghi

The midline angle and the head-symphysis distance can predict the likelihood of spontaneous vaginal delivery in nulliparous women with prolonged second stage of labor.

(continued on page 6A)

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(continued)

ORIGINAL RESEARCH (continued from page 4A)

644 Vasa previa: a multicenter retrospective cohort study

Hadi Erfani; Sina Haeri; Scott A. Shainker; Antonio F. Saad; Rodrigo Ruano; Timothy N. Dunn; Atefeh Rezaei; Soroush Aalipour; Ahmed A. Nassr; Amir A. Shamshirsaz; Micah Vaughn; William Lindsley; Melissa H. Spiel; Sherif A. Shazly; Eniola R. Ibiroga; Steven L. Clark; George R. Saade; Michael A. Belfort; Alireza A. Shamshirsaz

Outcomes in antenatally diagnosed vasa previa are excellent. There is a higher chance of resolution when vasa previa is diagnosed before rather than after 24 weeks of gestation.

➤ Related editorial, page 539

646 Frequency of spontaneous resolution of vasa previa with advancing gestational age

Rebecca Klahr; Nathan S. Fox; Kelly Zafman; Melissa B. Hill; Courtney T. Connolly; Andrei Rebarber

Approximately 39% of vasa previas (39/100) are resolved over the course of pregnancy.

➤ Related editorial, page 539

648 In utero exposure to antibiotics and risk of congenital malformations: a population-based study


Per Damkier; Louise M. S. Brønneiche; Johan F. B. Korch-Frandsen; Anne Broe
Merging comprehensive, complete, and validated national registries, we found no excess risk of congenital malformations to be associated with 10 antibiotics commonly prescribed in pregnancy.

650 Prospective evaluation of screening performance of first-trimester prediction models for preterm preeclampsia in an Asian population


Piya Chaemsathong; Ritsuko K. Pooh; Mingming Zheng; Runmei Ma; Noppadol Chaayasit; Mayumi Tokunaka; Steven W. Shaw; Suresh Seshadri; Mahesh Choolani; Tuangsit Wataganara; George S. H. Yeo; Alan Wright; Wing Cheong Leung; Akihiko Sekizawa; Yali Hu; Katsuhiko Naruse; Shigeru Saito; Daljit Sahota; Tak Yeung Leung; Liona C. Poon

The first-trimester Fetal Medicine Foundation triple test is effective in the prediction of preterm preeclampsia in an Asian population, and it is superior to the approach recommended by the American College of Obstetricians and Gynecologists and the National Institute for Health and Care Excellence.

IMAGES IN GYNECOLOGY
653 Umbilical endometriosis (Villar's nodule)

Pradip Dashraath; Chen Kailun; Ma Li

A 30-year-old nulliparous woman presented with a pelvic mass and an enlarging umbilical nodule over the preceding 6 months, which appeared as a firm, russet-red tumor protruding through her umbilicus.

654 Shedding cells from the fimbriae of fallopian tubes

Yingying He; Zhen Xiao

A 42-year-old woman underwent a total hysterectomy and bilateral salpingectomy because of uterine fibroids.

(continued)

RESEARCH LETTERS

655 Safety and varicella outcomes after varicella zoster immune globulin administration in pregnancy

Geeta K. Swamy; Sarah K. Dotters-Katz

656 QI Bootcamp: feasibility and acceptability of a novel approach to training residents in process improvement

Ilona T. Goldfarb; Nicole A. Smith

LETTERS TO THE EDITORS

659 Cerebroplacental ratio assessment in low-risk population

Roger A. McMaster-Fay

Reply, page 659

Ranjit Akolekar; Kypros H. Nicolaides

660 Clinical utility of noninvasive prenatal screening for pathogenic copy number variants

Li-Li Xu; Dong-Zhi Li

Reply, page 661

Matthew Hoi Kin Chau; Daljit Singh Sahota; Kwong Wai Choy;

Kwong Wai Choy

662 Unexpected term NICU admissions: a marker of obstetrical care quality?

Jonathan M. Snowden; Suzan L. Carmichael; Mark A. Klebanoff

663 Generalizability from well-designed RCTs underpin their scientific strength

Kristy P. Robledo; Val Gebiski; Pedro Ramirez

Reply, page 663

Farr R. Nezhat; Cande V. Ananth; Anthony M. Vintzileos

664 Cerebroplacental ratio and estimated fetal weight, the 2 different yardsticks

José Morales-Roselló; Gabriela Loscalzo; Silvia Buongiorno;

Alfredo Perales-Marín

IDSOG ABSTRACTS

666 IDSOG Oral Presentations**676** IDSOG Poster Presentations

SOCIETY FOR MATERNAL-FETAL MEDICINE

B2 SMFM Fetal Anomalies Consult Series #2: Extremities

Society for Maternal-Fetal Medicine (SMFM); Jennifer McKinney; Martha W. F. Rac; Manisha Gandhi

(continued)

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Society for Maternal–Fetal Medicine
smfm.org

South Atlantic Association
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saaog.org

SOCIETY FOR MATERNAL-FETAL MEDICINE

(continued)

B19 Obstetric Care Consensus #9: Levels of Maternal Care: (Replaces Obstetric Care Consensus Number 2, February 2015)



The American Association of Birth Centers; the American College of Nurse-Midwives; the Association of Women's Health, Obstetric and Neonatal Nurses; the Commission for the Accreditation of Birth Centers; and the Society for Obstetric Anesthesia and Perinatology endorse this document. The American Academy of Family Physicians supports this document. The American Society of Anesthesiologists has reviewed this document. This document was developed jointly by the American College of Obstetricians and Gynecologists and the Society for Maternal-Fetal Medicine in collaboration with Sarah J. Kilpatrick; M. Kathryn Menard; Christopher M. Zahn; and the Centers for Disease Control and Prevention's representative William M. Callaghan, MD, MPH

This Obstetric Care Consensus document provides standardized descriptions of the facility capabilities and personnel at four levels of risk-appropriate maternal care and focuses on the need for development of collaboration between facilities of different care levels to enhance the ability of women to give birth safely in their communities while providing support for circumstances when higher level resources are needed. This document is a revision of the original 2015 Levels of Maternal Care Obstetric Care Consensus that clarifies terminology and includes more recent data based on published literature and feedback from levels of maternal care implementation.

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13A Classified advertising

Healthcare Sector Activities to Identify and Intervene on Social Risk: An Introduction to the *American Journal of Preventive Medicine* Supplement

Laura M. Gottlieb, Karen DeSalvo, Nancy E. Adler
S1–S5
Published in issue: December 2019
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Social Risk Screening Research

Social Determinants as a Preventive Service: U.S. Preventive Services Task Force Methods Considerations for Research

Alex H. Krist, Karina W. Davidson, Quyen Ngo-Metzger, Justin Mills
S6–S12
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Psychometric and Pragmatic Properties of Social Risk Screening Tools: A Systematic Review

Nora B. Henrikson, Paula R. Blasi, Caitlin N. Dorsey, Kayne D. Mettert, Matthew B. Nguyen, Callie Walsh-Bailey, Jennifer Macuiba, Laura M. Gottlieb, Cara C. Lewis
S13–S24
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Part I: A Quantitative Study of Social Risk Screening Acceptability in Patients and Caregivers

Emilia H. De Marchis, Danielle Hessler, Caroline Fichtenberg, Nancy Adler, Elena Byhoff, Alicia J. Cohen, Kelly M. Doran, Stephanie Ettinger de Cuba, Eric W. Fleegler, Cara C. Lewis, Stacy Tessler Lindau, Elizabeth L. Tung, Amy G. Huebschmann, Aric A. Prather, Maria Raven, Nicholas Gavin, Susan Jepson, Wendy Johnson, Eduardo Ochoa Jr, Ardis L. Olson, Megan Sandel, Richard S. Sheward, Laura M. Gottlieb
S25–S37
Published in issue: December 2019
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Elena Byhoff, Emilia H. De Marchis, Danielle Hessler, Caroline Fichtenberg, Nancy Adler, Alicia J. Cohen, Kelly M. Doran, Stephanie Ettinger de Cuba, Eric W. Fleegler, Nicholas Gavin, Amy G. Huebschmann, Stacy Tessler Lindau, Elizabeth L. Tung, Maria Raven, Susan Jepson, Wendy Johnson, Ardis L. Olson, Megan Sandel, Richard S. Sheward, Laura M. Gottlieb
S38–S46
Published in issue: December 2019
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Social Needs Intervention Effectiveness and Implementation Research

Improving Social Needs Intervention Research: Key Questions for Advancing the Field

Caroline M. Fichtenberg, Dawn E. Alley, Kamila B. Mistry
S47–S54
Published in issue: December 2019
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Health Center–Based Community-Supported Agriculture: An RCT

Seth A. Berkowitz, Jessica O'Neill, Edward Sayer, Naysha N. Shahid, Maegan Petrie, Sophie Schouboe, Megan Saraceno, Rochelle Bellin
S55–S64
Published online: September 12, 2019
[Full-Text HTML](#) | [PDF](#) | [Supplemental Materials](#)

Variation in Electronic Health Record Documentation of Social Determinants of Health Across a National Network of Community Health Centers

Erika K. Cottrell, Katie Dambrun, Stuart Cowburn, Ned Mossman, Arwen E. Bunce, Miguel Marino, Molly Krancari, Rachel Gold
S65–S73
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Massachusetts Community-Based Organization Perspectives on Medicaid Redesign

Elena Byhoff, Lauren A. Taylor
S74–S81
Published in issue: December 2019
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Payment Structures That Support Social Care Integration With Clinical Care: Social Deprivation Indices and Novel Payment Models

Alison N. Huffstetler, Robert L. Phillips Jr.
S82–S88
Published in issue: December 2019
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Frontmatter

Masthead

A1–A2
Published in issue: December 2019
[PDF](#)

Table of Contents

A3
Published in issue: December 2019
[PDF](#)

Acknowledgments

A4
Published in issue: December 2019
[PDF](#)

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Alfredo Morabia

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Christopher R. Gustafson

American Journal of Public Health: 109(12), pp. 1624–1625

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A Reproductive Justice Approach to Patient-Centered, Structurally

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December 2019
The Supplemental Nutrition Assistance Program (Snap) History, Politics, and Public Health Implications

This issue features a special dossier on SNAP, as well as research and perspectives on how translation in self-rated health surveys impact responses, the effects of right-to-carry laws on workplace homicides, injury burden surveillance in the United States, and more.

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Madina Agénor

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The Future of a Public Health of Consequence: A Public Health of Consequence, December 2019

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Sandro Galea and Roger D. Vaughan

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The Supplemental Nutrition Assistance Program (SNAP): History, Politics, and Public Health Implications

Chronic Disease, Other Chronic Disease, Nutrition/Food

Marion Nestle

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Links of the Supplemental Nutrition Assistance Program With Food Insecurity, Poverty, and Health: Evidence and Potential

Nutrition/Food, Socioeconomic Factors, Health Policy

Brynne Keith-Jennings, Joseph Llobrera and Stacy Dean

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Importance of the Supplemental Nutrition Assistance Program in Rural America

Nutrition/Food, Rural Health, Socioeconomic Factors

Lisa Harnack, Sruthi Valluri and Simone A. French

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URBAN SNAP

SNAP at the Community Scale: How Neighborhood Characteristics Affect Participation and Food Access

Nutrition/Food, Urban Health, Public Health Practice, Health Policy, Geography

Nevin Cohen

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FA [Abstract](#) | [Full Text](#) | [References](#) | [PDF \(3511 KB\)](#) | [PDF Plus \(3515 KB\)](#)

COLLEGE STUDENT SNAP

College Students and SNAP: The New Face of Food Insecurity in the United States

Nutrition/Food, Prevention, Socioeconomic Factors, Health Policy

Nicholas Freudenberg, Sara Goldrick-Rab and Janet Poppendieck

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FA [Abstract](#) | [Full Text](#) | [References](#) | [PDF \(659 KB\)](#) | [PDF Plus \(667 KB\)](#)

SNAP DATA

Supplemental Nutrition Assistance Program Data: Why Disclosure Is Needed

Government, Nutrition/Food, Health Law, Health Policy, Statistics/Evaluation/Research, Other Statistics/Evaluation/Research

Jennifer L. Pomeranz

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SNAP PARTICIPANTS

Recommendations From SNAP Participants to Improve Wages and End Stigma

Nutrition/Food, Social Science, Socioeconomic Factors, Health Policy, Community Health

Tianna Gaines-Turner, Joanna Cruz Simmons and Mariana Chilton

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FA [Abstract](#) | [Full Text](#) | [References](#) | [PDF \(680 KB\)](#) | [PDF Plus \(564 KB\)](#)

INTERNATIONAL COMPARISONS

Alternatives to SNAP: Global Approaches to Addressing Childhood Poverty and Food Insecurity

Nutrition/Food, Child and Adolescent Health, Socioeconomic Factors, Community Health, Other Child and Adolescent Health

Lia C. H. Fernald and Wendi Gosliner

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FA [Abstract](#) | [Full Text](#) | [References](#) | [PDF \(893 KB\)](#) | [PDF Plus \(955 KB\)](#) | [Supplemental Material](#)

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OPIOIDS

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Substance Use, Government, Drugs, Health Policy, Health Professionals,

Injury/Emergency Care/Violence, Health Service Delivery

Sharon Stancliff, Danielle Greene and Howard A. Zucker

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FA [Citation](#) | [Full Text](#) | [References](#) | [PDF \(475 KB\)](#) | [PDF Plus \(481 KB\)](#) | [Supplemental Material](#)

CONTRACEPTION

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Birth Control, Contraception, Sexual Health, Social Science, Lesbian/Gay/Bisexual/Transgender Persons

Jenny A. Higgins, Emma Carpenter, Bethany G. Everett, Madelyne Z. Greene, Sadia Haider and C. Emily Hendrick

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AJPH LAW & ETHICS

VACCINES

Laws About Transparent School Vaccination Reporting: Public Health Context and Ethics

Immunization/Vaccines, Child and Adolescent Health, Health Law, Health Policy, School Health, Ethics, Other Child and Adolescent Health

Caitlin Cardenas-Comfort and Mary Majumder

American Journal of Public Health: 109(12), pp. 1687–1690

FA [Abstract](#) | [Full Text](#) | [References](#) | [PDF \(501 KB\)](#) | [PDF Plus \(509 KB\)](#)

Miriam Bentwich Comments

Immunization/Vaccines, Child and Adolescent Health, Health Policy, School Health, Ethics

Miriam Ethel Bentwich

American Journal of Public Health: 109(12), pp. 1691–1691

FA [Citation](#) | [Full Text](#) | [References](#) | [PDF \(462 KB\)](#) | [PDF Plus \(467 KB\)](#)

DRIVER’S LICENSE

Driver’s License Suspension Policies as a Barrier to Health Care

Other Race/Ethnicity, Socioeconomic Factors, Epidemiology, Health Policy, Race/Ethnicity, Health Service Delivery, Access to Care

Nina R. Joyce, Andrew R. Zullo, Jasjit S. Ahluwalia, Melissa R. Pfeiffer and Allison E. Curry

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FA [Citation](#) | [Full Text](#) | [References](#) | [PDF \(479 KB\)](#) | [PDF Plus \(483 KB\)](#)

AJPH POLICY

INSURANCE COVERAGE

Coverage Expansions and Utilization of Physician Care: Evidence From the 2014 Affordable Care Act and 1966 Medicare/Medicaid Expansions

Health Financing, Health Reform

Adam Gaffney, Danny McCormick, David Bor, Steffie Woolhandler and David Himmelstein
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FA [Abstract](#) | [Full Text](#) | [References](#) | [PDF \(751 KB\)](#) | [PDF Plus \(770 KB\)](#) | [Supplemental Material](#)

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INJURY BURDEN

Injury Burden in the United States: Accurate, Reliable, and Timely Surveillance Using Electronic Health Care Data
Statistics/Evaluation/Research, Injury/Emergency Care/Violence, Surveillance
Jae Min, Kelly K. Gurka, Bindu Kalesan, Jiang Bian and Mattia Properi
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FA [Abstract](#) | [Full Text](#) | [References](#) | [PDF \(654 KB\)](#) | [PDF Plus \(669 KB\)](#)

CHILDHOOD INFECTIONS

Communicable Disease Outbreaks in Michigan Child Care Centers Compared With State and Regional Epidemics, 2014–2017
Other Maternal and Infant Health, Respiratory Health, Other Respiratory Health, Statistics/Evaluation/Research, Community Health, Surveillance, Maternal and Infant Health
Peter DeJonge, Emily T. Martin, Michael Hayashi, Sarah Johnson and Andrew N. Hashikawa
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FA [Abstract](#) | [Full Text](#) | [References](#) | [PDF \(626 KB\)](#) | [PDF Plus \(632 KB\)](#)

AJPH PRACTICE

NAIL SALON

Improving Boston Nail Salon Indoor Air Quality Through Local Public Health Regulation, 2007–2019
Government, Environment, Occupational Health, Prevention, Other Environment, Health Law, Public Health Practice
Stephanie L. Seller, Cora Roelofs, Paul A. Shoemaker, Nancie N. Nguyen and Tuan D. Nguyen
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FA [Abstract](#) | [Full Text](#) | [References](#) | [PDF \(672 KB\)](#) | [PDF Plus \(678 KB\)](#)

MEASLES

Community-Oriented Epidemic Preparedness and Response to the Jerusalem 2018–2019 Measles Epidemic
Immunization/Vaccines, Prevention, Epidemiology, Health Service Delivery
Chen Stein-Zamir, Nitza Abramson, Naomi Edelstein, Hanna Shoob, Gary Zentner and Deena R. Zimmerman
American Journal of Public Health: 109(12), pp. 1714–1716
FA [Abstract](#) | [Full Text](#) | [References](#) | [PDF \(542 KB\)](#) | [PDF Plus \(545 KB\)](#) | [Supplemental Material](#)

Amanda Cohn Comments

Global Health, Other Health Service Delivery, Immunization/Vaccines, Prevention, Community Health, Health Service Delivery

Amanda Cohn

American Journal of Public Health: 109(12), pp. 1717–1717

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KITCHEN PROGRAMS

Healthy Teaching Kitchen Programs: Experiential Nutrition Education Across Veterans Health Administration, 2018

Chronic Disease, Other Chronic Disease, Health Education, Nutrition/Food, Public Health Practice, Health Promotion

Marissa Black, Robin LaCroix, Katherine Hoerster, Sunny Chen, Katherine Ritchey, Melanya Souza, Anne Utech and Stephen Thielke

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BANGLADESH

Bangladesh’s First-Ever Public Health Photo Contest

Md Zohirul Alam, Laila Parveen Banu and Manzur Kadir Ahmed

American Journal of Public Health: 109(12), pp. 1722–1724

FA [Citation](#) | [Full Text](#) | [References](#) | [PDF \(4141 KB\)](#) | [PDF Plus \(963 KB\)](#)

AJPH OPEN-THEMED RESEARCH

HURRICANES

Health Impact of Hurricanes Irma and Maria on St Thomas and St John, US Virgin Islands, 2017–2018

Health Care Facilities/Services, Epidemiology, Health Service Delivery

Muhammad Abdul Baker Chowdhury, Andrew J. Fiore, Scott A. Cohen, Clayton Wheatley, Barnard Wheatley, Meenakshi Puthucode Balakrishnan, Michael Chami, Laura Scieszka, Matthew Drabin, Kelsey A. Roberts, Alexandra C. Toben, J. Adrian Tyndall, Lynn M. Grattan and J. Glenn Morris Jr

American Journal of Public Health: 109(12), pp. 1725–1732

FA [Abstract](#) | [Full Text](#) | [References](#) | [PDF \(789 KB\)](#) | [PDF Plus \(805 KB\)](#) | [Supplemental Material](#)

ARAB AMERICANS

Relevance of the “Immigrant Health Paradox” for the Health of Arab Americans in California

Other Race/Ethnicity, Immigration, Social Science, Epidemiology, Race/Ethnicity

Nadia N. Abuelezzam, Abdulrahman M. El-Sayed and Sandro Galea

American Journal of Public Health: 109(12), pp. 1733–1738

FA [Abstract](#) | [Full Text](#) | [References](#) | [PDF \(532 KB\)](#) | [PDF Plus \(556 KB\)](#)

WORKSITE INTERVENTIONS

Disseminating Evidence-Based Interventions in Small, Low-Wage

Worksites: A Randomized Controlled Trial in King County, Washington (2014–2017)

Chronic Disease, Other Chronic Disease, Occupational Health, Prevention, Health Promotion

Peggy A. Hannon, Kristen Hammerback, Marlana J. Kohn, Christine M. Kava, Kwun C. Gary Chan, Amanda T. Parrish, Claire Allen, Christian D. Helfrich, Caitlin Mayotte, Shirley A. Beresford and Jeffrey R. Harris

American Journal of Public Health: 109(12), pp. 1739–1746

FA [Abstract](#) | [Full Text](#) | [References](#) | [PDF \(606 KB\)](#) | [PDF Plus \(623 KB\)](#)

GUN VIOLENCE PREVENTION

Right-to-Carry Laws and Firearm Workplace Homicides: A Longitudinal Analysis (1992–2017)

Occupational Health, Health Law, Epidemiology, Injury/Emergency Care/Violence

Mitchell L. Doucette, Cassandra K. Crifasi and Shannon Frattaroli

American Journal of Public Health: 109(12), pp. 1747–1753

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The Effect of Large-Capacity Magazine Bans on High-Fatality Mass Shootings, 1990–2017

Injury/Emergency Care/Violence

Louis Klarevas, Andrew Conner and David Hemenway

American Journal of Public Health: 109(12), pp. 1754–1761

FA [Abstract](#) | [Full Text](#) | [References](#) | [PDF \(553 KB\)](#) | [PDF Plus \(567 KB\)](#) | [Supplemental Material](#)

PREGNANCY

Rural–Urban Disparities in Pregnancy Intentions, Births, and Abortions Among US Adolescent and Young Women, 1995–2017

April Sutton, Daniel T. Lichter and Sharon Sassler

American Journal of Public Health: 109(12), pp. 1762–1769

FA [Abstract](#) | [Full Text](#) | [References](#) | [PDF \(793 KB\)](#) | [PDF Plus \(817 KB\)](#) | [Supplemental Material](#)

FOOD LABELS

Food Choice Under Five Front-of-Package Nutrition Label Conditions: An Experimental Study Across 12 Countries

Prevention, Public Health Practice, Health Policy

Zenobia Talati, Manon Egnell, Serge Hercberg, Chantal Julia and Simone Pettigrew

American Journal of Public Health: 109(12), pp. 1770–1775

FA [Abstract](#) | [Full Text](#) | [References](#) | [PDF \(728 KB\)](#) | [PDF Plus \(758 KB\)](#) | [Supplemental Material](#)

VACCINES

Increasing Influenza and Pneumococcal Vaccination Uptake in Seniors Using Point-of-Care Informational Interventions in Primary Care in Singapore: A Pragmatic, Cluster-Randomized Crossover Trial

Health Education, Immunization/Vaccines, Prevention, Public Health Practice, Health Promotion

Hanley J. Ho, Yi-Roe Tan, Alex R. Cook, Gerald Koh, Tat Yean Tham, Eve Anwar, Grace Shu Hui Chiang, May O. Lwin and Mark I. Chen

American Journal of Public Health: 109(12), pp. 1776–1783

FA [Abstract](#) | [Full Text](#) | [References](#) | [PDF \(732 KB\)](#) | [PDF Plus \(761 KB\)](#) | [Supplemental Material](#)

Roger E. Thomas Comments

Immunization/Vaccines, Epidemiology, Statistics/Evaluation/Research, Other Statistics/Evaluation/Research

Roger E. Thomas

American Journal of Public Health: 109(12), pp. 1784–1785

FA [Citation](#) | [Full Text](#) | [References](#) | [PDF \(601 KB\)](#) | [PDF Plus \(603 KB\)](#)

IMMIGRATION

The Mental Health of Hispanic/Latino Americans Following National Immigration Policy Changes: United States, 2014–2018

Mental Health, Immigration, Health Law, Health Policy, Race/Ethnicity

Emilie Bruzelius and Aaron Baum

American Journal of Public Health: 109(12), pp. 1786–1788

FA [Abstract](#) | [Full Text](#) | [References](#) | [PDF \(503 KB\)](#) | [PDF Plus \(514 KB\)](#) | [Supplemental Material](#)

SELF-RATED HEALTH

Impact of the Terms “Regular” or “Pasable” as Spanish Translation for “Fair” of the Self-Rated Health Question Among US Latinos: A Randomized Experiment

Social Science, Public Health Practice, Statistics/Evaluation/Research, Surveillance, Surveys

Sunghee Lee, Fernanda Alvarado-Leiton, Elizabeth Vasquez and Rachel E. Davis

American Journal of Public Health: 109(12), pp. 1789–1796

FA [Abstract](#) | [Full Text](#) | [References](#) | [PDF \(783 KB\)](#) | [PDF Plus \(810 KB\)](#) | [Supplemental Material](#)

AJPH LETTERS AND RESPONSES

PUBLIC HEALTH AND POLITICS

Ethical Reflection Is Essential for Public Health and Is Not the Same as Political Reflection

Ethics

Edward Strickler

American Journal of Public Health: 109(12), pp. e1–e1

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Galea and Vaughan Respond

Health Law, Public Health Practice, Health Policy, Statistics/Evaluation/Research, Ethics, Health Promotion, Other Statistics/Evaluation/Research

Sandro Galea and Roger D. Vaughan

American Journal of Public Health: 109(12), pp. e1–e2

FA [Citation](#) | [Full Text](#) | [PDF \(507 KB\)](#) | [PDF Plus \(509 KB\)](#)

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Career Opportunities

FA American Journal of Public Health: 109(12), pp. 1798–1798
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Contents **Annals of Internal Medicine**[®]

3 December 2019 • Volume 171 • Number 11 • Pages 777-864

Original Research

Effect of Electronic Health Record–Based Coaching on Weight Maintenance. A Randomized Trial 777

M.B. Conroy, K.M. McTigue, C.L. Bryce, D. Tudorascu, B.B. Gibbs, J. Arnold, D. Comer, R. Hess, K. Huber, L.R. Simkin-Silverman, and G.S. Fischer

This randomized controlled trial examined the effects of an electronic health record–based intervention that provided personalized coaching on weight change among patients who had intentional weight loss of at least 5% in the past 2 years.

Summary for Patients 1-19

The Cost-Effectiveness of Cognitive Behavioral Therapy Versus Second-Generation Antidepressants for Initial Treatment of Major Depressive Disorder in the United States. A Decision Analytic Model 785

E.L. Ross, S. Vijan, E.M. Miller, M. Valenstein, and K. Zivin

The authors created a computer model to examine whether cognitive behavioral therapy or a second-generation antidepressant provides better health economic value for major depressive disorder.

Cost-Effectiveness Analysis of Lung Cancer Screening in the United States. A Comparative Modeling Study 796

S.D. Criss, P. Cao, M. Bastani, K. ten Haaf, Y. Chen, D.F. Sheehan, E.F. Blom, I. Toumazis, J. Jeon, H.J. de Koning, S.K. Plevritis, R. Meza, and C.Y. Kong

The National Lung Screening Trial showed that cigarette smokers who were screened with low-dose helical computed tomography had a lower risk for dying from lung cancer than those screened with standard chest radiography. The Centers for Medicare & Medicaid Services recommends screening up to age 77. The U.S. Preventive Services Task Force recommends screening up to age 80. Criss and colleagues used computer modeling to estimate which option provides the most value.

Clinical Guideline

Management of Nonvariceal Upper Gastrointestinal Bleeding: Guideline Recommendations From the International Consensus Group 805

A.N. Barkun, M. Almadi, E.J. Kuipers, L. Laine, J. Sung, F. Tse, G.I. Leontiadis, N.S. Abraham, X. Calvet, F.K. Chan, J. Douketis, R. Enns, I.M. Gralnek, V. Jairath, D. Jensen, J. Lau, G.Y. Lip,

R. Loffroy, F. Maluf-Filho, A.C. Meltzer, N. Reddy, J.R. Saltzman, J.K. Marshall, and M. Bardou

This guideline updates the 2010 International Consensus Recommendations on Management of Patients With Nonvariceal Upper Gastrointestinal Bleeding.

CME/MOC quiz available at Annals.org

Position Papers

Policy Recommendations for Pharmacy Benefit Managers to Stem the Escalating Costs of Prescription Drugs: A Position Paper From the American College of Physicians 823

H. Daniel and S.S. Bornstein

Pharmacy benefit managers (PBMs), third-party intermediaries for various types of employers and government purchasers who negotiate the price of drugs in health plans, play a crucial role in determining the amount many Americans pay for medications. In this position paper, the American College of Physicians offers recommendations to improve transparency in the PBM industry.

Policy Recommendations for Public Health Plans to Stem the Escalating Costs of Prescription Drugs: A Position Paper From the American College of Physicians 825

H. Daniel and S.S. Bornstein

In this position paper, the American College of Physicians provides recommendations to decrease out-of-pocket costs for patients, enhance government purchasing power, and address existing policies that add costs.

Beyond the Guidelines

Should This Patient Be Screened for Atrial Fibrillation? Grand Rounds Discussion From Beth Israel Deaconess Medical Center 828

R.B. Burns, P. Zimetbaum, S.A. Lubitz, and G.W. Smetana

Two cardiologists discuss the U.S. Preventive Services Task Force guidelines on atrial fibrillation and whether they would recommend anticoagulation for a specific patient with screen-detected atrial fibrillation.

CME/MOC quiz available at Annals.org

Continued on page I-8

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Precision Medicine

Cases in Precision Medicine: A Personalized Approach to Stroke and Cardiovascular Risk Assessment in Women 837

N.A. Bello, E.C. Miller, K.L. Cleary, and R. Wapner
Cardiovascular disease is the leading cause of death among women in the United States, and stroke is third. This article discusses female-specific cardiovascular risk factors across the lifespan and describes a precision medicine-based approach to risk factor modification and primary prevention, including the current role of genetic testing in the assessment of risk for cardiovascular disease and stroke.

CME/MOC quiz available at Annals.org

Ideas and Opinions

A Veteran-Centric Model of Care: Crossing the Cultural Divide 843

E.P. Manning
Although most U.S. physicians train at Veterans Health Administration hospitals, few have served in the military. The author, a veteran and physician, discusses how failure to appreciate the differences between civilian and military cultures can result in misalignment of veterans' and physicians' perspectives during management of a veteran's health.

The Majority Subsidy 845

R.C. Ziegelstein and D.C. Crews
Academic medical institutions have recognized the need to improve diversity among faculty members, trainees, and students. Persons from underrepresented minority (URM) groups are often asked to serve on search committees to help with these efforts. This article suggests that this places undue burden on URM persons while unintentionally lessening the responsibility among those in the majority for helping to improve diversity in academic medical institutions.

Editorials

Integrating Obesity Treatment Into Routine Primary Care 847

A.G. Tsai
The editorialist discusses Conroy and colleagues' findings and how they may facilitate the incorporation of obesity treatment into routine primary care.

Universal Access to Cognitive Behavioral Therapy and Antidepressants Is Necessary for All Patients With Major Depressive Disorder 849

M. Sinyor
The editorialist discusses why Ross and colleagues' findings support the need to ensure the availability of both cognitive behavioral therapy and second-generation antidepressants.

Comparative Modeling to Inform Health Policy Decisions: A Step Forward 851

D.D. Kim and P.J. Neumann
The editorialists discuss Criss and colleagues' findings and explain how decision analytic models can help us address clinical and policy questions.

International Consensus Guidelines for Nonvariceal Gastrointestinal Bleeding: A Step Forward 853

A. Lanas
The editorial discusses the update of the International Consensus Clinical Practice Guidelines on the Management of Nonvariceal Upper Gastrointestinal Bleeding.

Recommendations for Lowering Prescription Drug Spending in Public Programs 855

S.A. Jazowski and S.B. Dusetzina
The editorialist discusses the American College of Physicians' recommendations for increasing competition aimed to reduce the cost of prescription drugs.

On Being a Doctor

The Liver Transplant Unit 857

E. Adler

Letters 859

In the Clinic

Obstructive Sleep Apnea ITC81

CME/MOC quiz available at Annals.org

Web Exclusives

Annals for Educators  3 December 2019

Annals Graphic Medicine  **Dr. Mom: How Do You ... ?**
G.E. Farris
Fear and Loathing in RA
J. Ng

Annals On Call  **Technology to Improve Diabetes Management**

CME/MOC quiz available at Annals.org

Cover photograph by Maryann Held

Continuing Medical Education I-20
Classified Services Begin on I-31
Subscription and Business Information I-34

Contents **Annals of Internal Medicine**[®]

17 December 2019 • Volume 171 • Number 12 • Pages 865-956

Original Research

Hepatitis C Virus Screening and Care: Complexity of Implementation in Primary Care Practices Serving Disadvantaged Populations 865

B.J. Turner, A. Roachat, S. Lill, R. Bobadilla, L. Hernandez, A. Choi, and J.A. Guerrero

The advent of highly effective direct-acting antiviral therapy for hepatitis C virus (HCV) infection has led to the call for elimination of hepatitis C in the near future. The infection disproportionately affects disadvantaged communities where prevalence is high and care delivery can be particularly challenging. The current study is a mixed-methods retrospective analysis describing the design and real-world implementation of a multicomponent intervention for HCV screening and care in safety-net primary care practices.

Altered Risk for Cardiovascular Events With Changes in the Metabolic Syndrome Status. A Nationwide Population-Based Study of Approximately 10 Million Persons 875

S. Park, S. Lee, Y. Kim, Y. Lee, M.W. Kang, K. Han, S.S. Han, H. Lee, J.P. Lee, K.W. Joo, C.S. Lim, Y.S. Kim, and D.K. Kim
Metabolic syndrome has become a growing public health problem worldwide. Much effort has been devoted to the prevention and treatment of this syndrome, because affected persons have increased risk for cardiovascular disease. The objective of this population-based retrospective cohort study was to evaluate the risk for major adverse cardiovascular events among persons who develop or recover from metabolic syndrome.

Summary for Patients 1-20

Suicide Case-Fatality Rates in the United States, 2007 to 2014. A Nationwide Population-Based Study 885

A. Conner, D. Azrael, and M. Miller

The suicide case-fatality rate (CFR)—the proportion of suicidal acts that are fatal—depends on the distribution of methods used in the act and the probability of death given a particular method. In this cross-sectional study, the authors use data from 3 large databases for 2007 to 2014 to evaluate rates of suicide deaths and nonfatal suicide attempts, overall and method-specific CFRs, and distributions of methods used among persons aged 5 years or older.

Reviews

Bedside Optic Nerve Ultrasonography for Diagnosing Increased Intracranial Pressure. 896

A Systematic Review and Meta-analysis

A. Koziarz, N. Sne, F. Kegel, S. Nath, J.H. Badhiwala, F. Nassiri, A. Mansouri, K. Yang, Q. Zhou, T. Rice, S. Faidi, E. Passos, A. Healey, L. Banfield, M. Mensour, A.W. Kirkpatrick, A. Nassar, M.G. Fehlings, G.W.J. Hawryluk, and S.A. Almenawer
This meta-analysis of 71 studies examines the accuracy of bedside optic nerve ultrasonography for diagnosing increased intracranial pressure in persons with either traumatic or nontraumatic brain injury.

CME/MOC quiz available at Annals.org

Treatments for Poststroke Motor Deficits and Mood Disorders: A Systematic Review for the 2019 U.S. 906

Department of Veterans Affairs and U.S. Department of Defense Guidelines for Stroke Rehabilitation

K.E. D'Anci, S. Uhl, J. Oristaglio, N. Sullivan, and A.Y. Tsou
This review of 19 systematic reviews and 37 randomized trials summarizes evidence about the benefits and harms of nonpharmacologic and pharmacologic treatments for motor deficits and mood disorders in adults with stroke.

CME/MOC quiz available at Annals.org

Clinical Guideline

The Management of Stroke Rehabilitation: 916

A Synopsis of the 2019 U.S. Department of Veterans Affairs and U.S. Department of Defense Clinical Practice Guideline

J. Sall, B.C. Eapen, J.E. Tran, A.O. Bowles, A. Bursaw, and M.E. Rodgers

This synopsis of a 2019 guideline from the U.S. Department of Veterans Affairs and U.S. Department of Defense summarizes key recommendations for rehabilitation care of patients who have suffered a stroke. Six areas, including timing and approach; motor therapy; dysphagia management; cognitive, speech, and sensory therapy; mental health therapy; and other functions, such as returning to work and driving, are addressed.

Precision Medicine

Cases in Precision Medicine: The Role of Tumor and Germline Genetic Testing in Breast Cancer Management 925

J. Tischler, K.D. Crew, and W.K. Chung

Continued on page I-8

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Genetic testing has improved the care of women with breast cancer, informing therapeutic and preventive management decisions. As a result of increasing availability and use of genetic testing, physicians frequently need to address patients' questions and concerns about the meaning of test results. The authors explain the importance of somatic and germline mutation analyses and their implications for patients and their families.

CME/MOC quiz available at Annals.org

Ideas and Opinions

Patients With Opioid Use Disorder Deserve Trained Providers 931

M.B. Weimer, J.M. Tetrault, and D.A. Fiellin

There are ongoing efforts to lift training requirements for providers to prescribe buprenorphine for the treatment of opioid use disorder. These authors argue that such efforts, while well-meaning, are short-sighted, and that more rather than less training is needed.

What Can Patient Safety Teach Us About Clinician Burnout? 933

A.W. Wu and V.J. Dzau

Lessons learned from patient safety initiatives may be applied to reducing clinician burnout and alleviating the current crisis. Research on burnout has focused primarily on hospitals and trainees. Relatively little is known about the status of clinicians in ambulatory practice and the factors contributing to burnout in that setting. Research is needed on the most effective tools to identify burnout, as well as incentives to motivate change. Here, the authors identify 4 key lessons learned from successes in research, implementation, and policy.

Editorial

Optic Nerve Sheath Ultrasonography: Should We Be Using It for Bedside Diagnosis of Increased Intracranial Pressure? 935

K.Y. Ogle and R.E. Lewiss

In their systematic review, Koziarz and colleagues examine optic nerve ultrasonography for diagnosing increased intracranial pressure in children and adults. The editorialists encourage cautious interpretation of the findings because measurement of the optic nerve sheath diameter is more challenging than other bedside ultrasonography clinical applications.

On Being a Doctor

Earthling 937

S. Auñón-Chancellor

NASA pulls from several professions for the astronaut corps. On my crew, we had geophysicists; a military test pilot; a teacher; and me, an internist.

Something Happened When I Was There 939

S. Ostfeld-Johns

Taking responsibility for this patient, the right amount, was the right thing.

Letters

Observations: Case Reports

Polyclonal *Staphylococcus aureus* Bacteremia 940

Panophthalmitis From *Candida auris* 941

Correspondence

Sodium-Glucose Cotransporter-2 Inhibitors and Urinary Tract Infections 943

Ad Libitum

mourning tides 945

a life in medicine 946

D.A. Frater

Thanks to Reviewers 947

ACP Journal Club

The Best New Evidence for Patient Care

JC61

Web Exclusives

Annals Consult Guys  **Nausea and Vomiting After Surgery**

CME/MOC quiz available at Annals.org

Annals for Educators  **17 December 2019**

Annals for Hospitalists  **17 December 2019**

Inpatient Notes: Clinical Pearls—E-Cigarette, or Vaping, Product Use—Associated Lung Injury

I. Ghinai and J.E. Layden

Annals Graphic Medicine  **Progress Notes: 2 a.m., Hospital ER**
M. Natter
Crime and Punishment
S. Tigges

Annals On Call  **Beware the Oxygen Fairy**

CME/MOC quiz available at Annals.org

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Continuing Medical Education I-6

CME Bulletin Board I-16

Classified Services Begin on I-17

Subscription and Business Information I-24

Health Affairs

December 2019 Vol. 38 No. 12 healthaffairs.org

Rural Health

FROM THE EDITOR-IN-CHIEF

1963 **Rural Health**
Alan R. Weil

DATAGRAPHIC RURAL HEALTH

1964 **Rural Health**

EYE ON HEALTH REFORM HEALTH REFORM

1966 **Health Reform On The Campaign Trail**
Katie Keith

ENTRY POINT RURAL HEALTH

1968 **Recovery Residences Combat Addiction In Rural Communities**
Brian Rinker

LEADING TO HEALTH RURAL HEALTH

1971 **Bringing Palliative Care To Underserved Rural Communities**
Charlotte Huff

OVERVIEW RURAL HEALTH

1976 **Structural Urbanism Contributes To Poorer Health Outcomes For Rural America**
Janice Probst, Jan Marie Eberth, and Elizabeth Crouch

POLICY INSIGHT RURAL HEALTH

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Kevin J. Bennett, Tyrone F. Borders, George M. Holmes, Katy Backes Kozhimannil, and Erika Ziller

RESEARCH ARTICLE RURAL HEALTH

1993 **Lack Of Access To Specialists Associated With Mortality And Preventable Hospitalizations Of Rural Medicare Beneficiaries**
Kenton J. Johnston, Hefei Wen, and Karen E. Joynt Maddox

RESEARCH ARTICLE RURAL HEALTH

2003 **Higher US Rural Mortality Rates Linked To Socioeconomic Status, Physician Shortages, And Lack Of Health Insurance**
Gordon Gong, Scott G. Phillips, Catherine Hudson, Debra Curti, and Billy U. Philips

RESEARCH ARTICLE THE PRACTICE OF MEDICINE

2011 **The Decline In Rural Medical Students: A Growing Gap In Geographic Diversity Threatens The Rural Physician Workforce**
Scott A. Shipman, Andrea Wendling, Karen C. Jones, Iris Kovar-Gough, Janis M. Orlowski, and Julie Phillips

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Carrie E. Henning-Smith, Ashley M. Hernandez, Rachel R. Hardeman, Marizen R. Ramirez, and Katy Backes Kozhimannil

DATAWATCH RURAL HEALTH

- 2027 **Healthy People 2020: Rural Areas Lag In Achieving Targets For Major Causes Of Death**

Sirin Yaemsiri, Johanna M. Alfier, Ernest Moy, Lauren M. Rossen, Brigham Bastian, Jane Bolin, Alva O. Ferdinand, Timothy Callaghan, and Melonie Heron

RESEARCH ARTICLE RURAL HEALTH

- 2032 **Rural-Urban Differences In Individual-Market Health Plan Affordability After Subsidy Payment Cuts**

David Anderson, Jean M. Abraham, and Coleman Drake

RESEARCH ARTICLE RURAL HEALTH

- 2041 **Effect Of Population Size On Rural Health Insurance Premiums In The Federal Employees Health Benefits Program**

Abigail R. Barker

RESEARCH ARTICLE RURAL HEALTH

- 2048 **In Rural Areas, Buprenorphine Waiver Adoption Since 2017 Driven By Nurse Practitioners And Physician Assistants**

Michael L. Barnett, Dennis Lee, and Richard G. Frank

DATAWATCH RURAL HEALTH

- 2057 **Rural Residents With Mental Health Needs Have Fewer Care Visits Than Urban Counterparts**

James B. Kirby, Samuel H. Zuvekas, Amanda E. Borsky, and Quyen Ngo-Metzger

RESEARCH ARTICLE RURAL HEALTH

- 2061 **Enhancing Staffing In Rural Community Health Centers Can Help Improve Behavioral Health Care**

Xinxin Han and Leighton Ku



Photograph by Duane Stork

House call: Susan McCammon (right), a surgeon and palliative medicine physician at the University of Alabama at Birmingham, regularly visits patients such as Janice Bass, shown with her dog, Abbey, to manage treatment and support advance care planning. See *Leading To Health* on page 1971.

RESEARCH ARTICLE RURAL HEALTH

- 2069 **Declines In Pediatric Mortality Fall Short For Rural US Children**

Janice Probst, Whitney Zahnd, and Charity Breneman

RESEARCH ARTICLE RURAL HEALTH

- 2077 **Rural-Urban Differences In Severe Maternal Morbidity And Mortality In The US, 2007–15**

Katy Backes Kozhimannil, Julia D. Interrante, Carrie Henning-Smith, and Lindsay K. Admon

RESEARCH ARTICLE RURAL HEALTH

- 2086 **When Rural Hospitals Close, The Physician Workforce Goes**

Hayley Drew Germack, Ryan Kandrack, and Grant R. Martsolf

RESEARCH ARTICLE RURAL HEALTH

- 2095 **Access, Quality, And Financial Performance Of Rural Hospitals Following Health System Affiliation**

Claire E. O'Hanlon, Ashley M. Kranz, Maria DeYoreo, Ammarah Mahmud, Cheryl L. Damberg, and Justin Timbie

NARRATIVE MATTERS **BEHAVIORAL HEALTH CARE**

- 2105 **When People You Love Are The Unintended Consequences Of Opioid Policy**
Mary Beth Foglia

GRANTWATCH **RURAL HEALTH**

- 2109 **Foundation Funding To Improve Rural Health Care**
Lee L. Prina

BOOK REVIEWS

- 2111 **Aging In America**
Robyn I. Stone
- 2112 **When Pain Becomes Personal**
Anita Ho
- 2113 **For Global Health, The Past Is Not Prologue**
Harley Feldbaum

LETTERS

- 2114 **Study Of Orthopedic Surgery Times**
Adam Schwartz, Richard Iorio, and Joshua Jacobs
- 2114 **Orthopedic Surgery Times: The Authors Reply**
John W. Urwin and Ezekiel J. Emanuel
- 2114 **Play Streets And Health Equity**
Asghar Shah
- 2115 **Play Streets: The Authors Reply**
Keshia M. Pollack Porter and
M. Renée Umstattd Meyer
- 2115 **Violence's Effects On Health**
Cyprian M. Mostert

FROM THE PUBLISHER

- 2116 **A Different Approach To Refugee Response**
Rabih Torbay



Narrative Matters After the release of federal guidelines to curb opioid misuse, a patient is unable to obtain effective pain treatment and dies from complications.

Research

Radiotherapy for Spinal Canal Compression

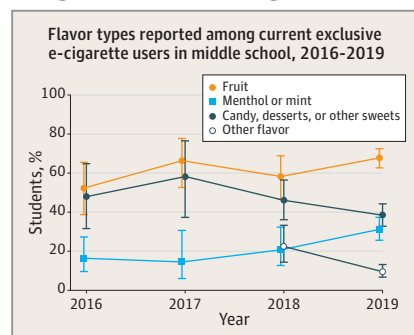
2084

Radiotherapy may be less burdensome for severely ill patients if received at one time rather than over several hospital visits. Hoskin and colleagues randomized 686 patients with malignant metastatic solid tumors and spinal canal compression and found that a single radiotherapy dose, compared with a multifraction dose delivered over 5 days, did not meet the primary end point for noninferiority.

Visual Abstract jama.com CME jamanetwork.com/learning

e-Cigarette Use Among US Youth

2095



Most e-cigarettes contain nicotine, which can harm the developing brain. Cullen and colleagues analyzed cross-sectional survey data from 18 934 US high school and middle school students and found that in 2019 the prevalence of self-reported e-cigarette use was high among high school and middle school students, with many current e-cigarette users reporting frequent use and most of the exclusive e-cigarette users reporting use of flavored e-cigarettes.

Related Article 2132

CME jamanetwork.com/learning

Predicting the Risk of Chronic Kidney Disease

2104

Early identification of individuals at risk of developing chronic kidney disease (CKD) may help to prevent adverse health outcomes. Nelson and colleagues for the CKD Prognosis Consortium developed risk prediction equations for incident CKD using data provided by 5 222 711 participants from 34 multinational cohorts. In an Editorial, Tummalaipalli and Estrella suggest that the prevention and management of CKD may be facilitated by risk-based, individualized interventions.

Editorial 2079

Opinion

Viewpoint

2069 Neglecting Major Health Problems and Broadcasting Minor, Uncertain Issues in Lifestyle Science
JPA Ioannidis

2071 The Opioid Crisis, Corporate Responsibility, and Lessons From the Tobacco Master Settlement Agreement
C Heaton, R Pack, and S Galea

2073 Ending Congenital Syphilis
IA Stafford, PJ Sánchez, and BJ Stoll

2075 To Control Costs Expand Managed Care and Managed Competition
A Enthoven, VR Fuchs, and SM Shortell

A Piece of My Mind

2077 Measuring Quality
MM Khorana and AA Khorana

Editorial

2079 Predicting Risk of Kidney Disease: Is Risk-Based Kidney Care on the Horizon?
SL Tummalaipalli and MM Estrella

2082 Housing Mobility and Addressing Social Determinants of Health Within the Health Care System
A Yurkovic, M Silverstein, and A Bell

LETTERS

Research Letter

2132 Flavors of e-Cigarettes Used by Youths in the United States
AM Leventhal and Coauthors

2134 Trends in Infant Pertussis Hospitalizations in the United States, 2009-2017
SL Boulet and Coauthors

Comment & Response

2136 Population-Based Primary Care Payment System in Hawaii

2137 Using Patient Preferences to Determine Noninferiority Margins in Trials

2138 Correction



Against The Grain Theatre, Toronto

Humanities

The Arts and Medicine

2058 Terminal Delirium in Vivier's Opera *Kopernikus*
J Wales

Poetry and Medicine

2139 Writing Poems About Patients
M Wynn

JAMA Revisited

2140 The New Bacchus

136 YEARS
OF CONTINUOUS
PUBLICATION

Editor in Chief
Howard Bauchner, MD

Research (continued)

Housing Vouchers and Hospital Utilization

2115

High-poverty neighborhoods may limit residents' access to health-promoting resources or increase their exposure to crime and environmental toxins. Pollack and colleagues conducted an exploratory analysis of data for 4604 families living in public housing and found that adults who received a housing voucher did not experience significant differences in hospital use or spending, but receipt of a voucher during childhood was associated with lower rates of hospitalization and less inpatient spending during long-term follow-up. In an Editorial, Yurkovic and colleagues consider whether the benefits of social mobility interventions may extend to multiple sectors of society.

Editorial 2082

CME jamanetwork.com/learning

Clinical Review & Education

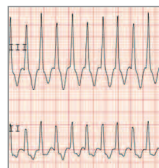
Screening and Monitoring for Depression

2125

Concerns about the under-recognition of depression in medical practice have led to calls for improved detection. This JAMA Insights article by Zimmerman reviews the performance of the 9-item Patient Health Questionnaire as a tool for screening and clinical management of depression.

A Man With Tachycardia and Palpitations

2127

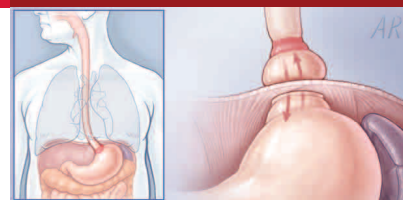


This JAMA Clinical Challenge by Sharma and Wu presents a 30-year-old man with tachycardia and palpitations that did not respond to initial therapies. What would you do next?

Point-of-Care INR Monitoring

2129

This JAMA Diagnostic Test Interpretation by Anderson and colleagues presents a 59-year-old man receiving warfarin therapy for many years who was found to have an elevated international normalized ratio (INR) measurement on point-of-care testing. What would you do next?



JAMA Patient Page

2146 What Is a Paraesophageal Hernia?

NEWS & ANALYSIS

Medical News & Perspectives

2061 JAMA Network Articles of the Year 2019

2065 Neuro Nook—Deep Brain Stimulation for Tinnitus, Tumors Hijack Neurons in Brain Cancer, and Multiple Sclerosis and Immunizations

Bench to Bedside

2066 Exploring the Potential of CAR-T Therapy for Heart Failure

2068 News From the FDA

Clarithromycin-Resistant *H pylori* Faces New Foe

Patients With Cystic Fibrosis Have New Triple-Drug Combination

New Report Examines Drug Shortages

Online @ jama.com



Editor's Audio Summary

Howard Bauchner, MD, summarizes and comments on this week's issue.

Visual Abstract

"Effect of Single-Fraction vs Multifraction Radiotherapy on Ambulatory Status Among Patients With Spinal Canal Compression From Metastatic Cancer: The SCORAD Randomized Clinical Trial"

Author Audio Interview

John P. A. Ioannidis, MD, DSc, author of "Neglecting Major Health Problems and Broadcasting Minor, Uncertain Issues in Lifestyle Science"

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Departments

2047 Staff Listing

2131 CME Questions

2142 Recruitment Advertising

2144 Journal Advertiser Index

2145 Contact Information

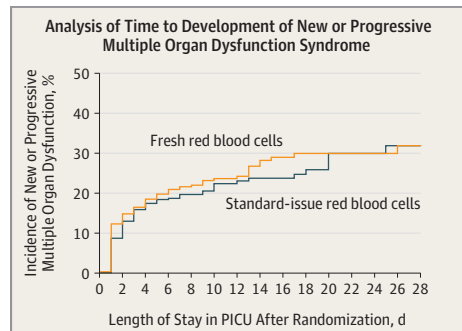
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Research

Red Blood Cell Storage and Multiple Organ Dysfunction

2179



Increased storage time of red blood cells may impair their oxygen delivery or adversely affect immune, endothelial, and hemostatic function. Spinella and colleagues randomized 1538 critically ill children and found that the use of fresh red blood cells, compared with standard-issue red blood cells, did not reduce the incidence of new or progressive multiple organ dysfunction syndrome. In an Editorial, McQuilten and

Cooper discuss the safety of international red blood cell transfusion practice for critically ill children.

✉ Editorial 2175

➦ Visual Abstract jama.com

A Genetic Cause of Amyloid Cardiomyopathy

2191

Hereditary transthyretin amyloid cardiomyopathy associated with the *TTR* V122I genetic variant is primarily found in individuals of African ancestry. Damrauer and colleagues conducted cross-sectional and case-control studies of 3724 and 2307 individuals of, respectively, African and Hispanic/Latino ancestry and found that the *TTR* V122I genetic variant was significantly associated with heart failure.

Fertility Treatment and Cancer Risk in Children

2203

Fertility treatment may increase the risk of cancer in children by mechanisms associated with fertility drugs or assisted reproductive technology. Hargreave and colleagues conducted a retrospective cohort study of 1 085 172 children born in Denmark and found an increased risk of childhood cancer associated with the use of frozen embryo transfer but not with other fertility treatments.



Humanities

Poetry and Medicine

2251 The Case for Waking
JL Harrington

JAMA Revisited

2252 Diet and Intestinal Bacteria

Opinion

Viewpoint

2165 Improving the System to Support Clinician Well-being and Provide Better Patient Care
P Carayon, C Cassel, and VJ Dza

2167 Is Transcultural Psychiatry Possible?
D Guinart, JM Kane, and CU Correll

2169 The Potential of Object-Relations Theory for Improving Engagement With Health Apps
J Cohen and J Torous

2171 Adalimumab and the Challenges for Biosimilars
WF Gellad and CB Good

A Piece of My Mind

2173 Hiding in Plain Sight
OM Fayanju

Editorial

2175 Age of Red Blood Cells for Transfusion in Critically Ill Pediatric Patients
ZK McQuilten and DJ Cooper

2177 Updated Guidelines on Screening for Abdominal Aortic Aneurysms
JA Freischlag

LETTERS

Research Letter

2244 Primary Care Spending in the Commercially Insured Population
J Reiff, N Brennan, and JF Biniek

2245 Hepatitis C Virus Antibody Testing Among 13- to 21-Year-Olds in a Large Sample of US Federally Qualified Health Centers
RL Epstein and Coauthors

Comment & Response

2248 Treatment of Hyperglycemia in Patients With Acute Stroke

2249 Neuroimaging of US Government Personnel Exposed to Directional Phenomena

Editor in Chief
Howard Bauchner, MD

136 YEARS
OF CONTINUOUS
PUBLICATION

Clinical Review & Education

RECOMMENDATION STATEMENT

Screening for Abdominal Aortic Aneurysm

2211

Risk factors for abdominal aortic aneurysm include older age, male sex, and smoking. The US Preventive Services Task Force recommends 1-time screening for abdominal aortic aneurysm with ultrasonography in men aged 65 to 75 years who have ever smoked.

📖 Editorial 2177 Related Article 2219 JAMA Patient Page 2256

🎧 Author Audio Interview jama.com CME jamanetwork.com/learning

EVIDENCE REPORT

Outcomes of Screening for Abdominal Aortic Aneurysm

2219

Abdominal aortic aneurysms (AAAs) are often asymptomatic, with slow expansion until possible rupture. Guirguis-Blake and colleagues reviewed 50 studies with 323 279 participants and found that 1-time AAA screening in men aged 65 years or older was associated with decreased AAA-related mortality and rupture rates but was not associated with all-cause mortality.

📖 Editorial 2177 Related Article 2211 JAMA Patient Page 2256

🎧 Author Audio Interview jama.com

CLINICAL UPDATE

Clinical Management of Constipation

2239

Causes of constipation include motor disorders of the colon, defecation disorders, and adverse events associated with the use of drugs. This JAMA Insights article by Wald reviews treatment options for individuals with chronic idiopathic constipation, irritable bowel syndrome with constipation, and opioid-induced constipation.

📖 Related Article 2241

Opioid-Induced Constipation

2241

In this JAMA Clinical Guidelines Synopsis of a 2018 guideline developed by the American Gastroenterological Association, Rao and colleagues discuss the medical management of opioid-induced constipation.

📖 Related Article 2239

Screening for Abdominal Aortic Aneurysm



JAMA Patient Page

2256 Screening for Abdominal Aortic Aneurysm

NEWS & ANALYSIS

Medical News & Perspectives

2156 Cannabidiol Products Are Everywhere, but Should People Be Using Them?

2158 As Far as Heart Health Goes, Is Napping Good, Bad, or Neither?

The JAMA Forum

2159 History Suggests That Most Physicians Likely to Remain as Participants in Medicare

2161 Biotech Innovations

Brain Cancer Triage Test Advances

Study Evaluates Rapid Sickle Cell Disease Test

Patient With Tetraplegia Tests Brain-Controlled Exoskeleton

2162 News From the CDC

Kindergarten Vaccine Coverage Needs a Boost

Evaluating e-Cigarette Lung Disease

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Editor's Audio Summary

Howard Bauchner, MD, summarizes and comments on this week's issue.

Visual Abstract

"Effect of Fresh vs Standard-issue Red Blood Cell Transfusions on Multiple Organ Dysfunction Syndrome in Critically Ill Pediatric Patients: A Randomized Clinical Trial"

Audio

The Medical and Political Response to the 2017 Christchurch Mosque Mass Shooting

Author Audio Interview



Pascale Carayon, PhD, author of "Improving the System to Support Clinical Well-being and Provide Better Patient Care"

Author Audio Interview

Michael J. Barry, MD, author of "Screening for Abdominal Aortic Aneurysm: US Preventive Services Task Force Recommendation Statement"

Departments

2153 Staff Listing

2243 CME Questions

2253 Recruitment Advertising

2254 Journal Advertiser Index

2255 Contact Information

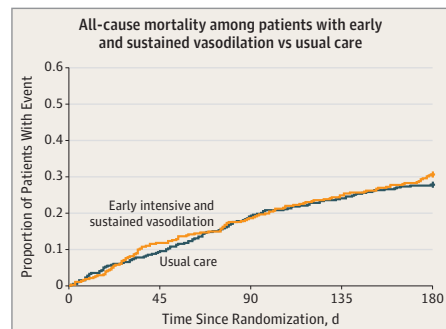
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Research

Vasodilation for Acute Heart Failure

2292



It is unclear whether early, aggressive vasodilation is beneficial for most patients with acute heart failure (AHF). Kozhuharov and colleagues for the GALACTIC Investigators randomized 788 patients with AHF and found that a strategy of early intensive and sustained vasodilation, compared with usual care, did not significantly improve a composite outcome of all-cause mortality and AHF rehospitalization at 180 days. In an Editorial, Curfman discusses the clinical management of acute decompensated heart failure with and without systemic hypertension.

Curfman discusses the clinical management of acute decompensated heart failure with and without systemic hypertension.

Editorial 2288

Visual Abstract jama.com CME jamanetwork.com/learning

Rapid Sequence Induction for Emergency Tracheal Intubation

2303

Neuromuscular blocking agents improve overall intubating conditions and first-attempt success rates in patients requiring emergency endotracheal intubation. A trial by Guihard and colleagues randomized 1248 patients undergoing endotracheal intubation and failed to demonstrate noninferiority for the success rate of rocuronium, compared with succinylcholine, for first intubation in patients receiving emergency intubation.

Visual Abstract jama.com

Transcarotid Artery Revascularization

2313

The technique of transcarotid artery revascularization with flow reversal was developed to decrease the risk of stroke associated with transfemoral carotid artery stenting. Schermerhorn and colleagues analyzed data for 11 891 patients undergoing treatment for carotid stenosis and found that transcarotid artery revascularization, compared with transfemoral carotid artery stenting, was significantly associated with a lower risk of in-hospital stroke or death.

CME jamanetwork.com/learning



Humanities

Poetry and Medicine

2345 I Hope They Don't Drop Me
LD Foley

JAMA Revisited

2353 I Remember It Well

Opinion

Viewpoint

2279 Implementation Strategies for Cardiovascular Polypills
MD Huffman, A Salam, and A Patel

2281 Cardiovascular Disease Prevention at a Crossroads: Precision Medicine or Polypill?
MJ Joyner and N Paneth

2283 Machine Learning, Predictive Analytics, and Clinical Practice: Can the Past Inform the Present?
ED Peterson

2285 Lifecycle Regulation of Artificial Intelligence- and Machine Learning-Based Software Devices in Medicine
TJ Hwang, AS Kesselheim, and KN Vokinger

A Piece of My Mind

2287 Of Warsaw and Calgary
TC Yates

Editorial

2288 Vasodilator Therapy in Acute Heart Failure
G Curfman

2290 The Challenges of Sharing Data in an Era of Politicized Science
H Bauchner and PB Fontanarosa

LETTERS

Research Letter

2339 Identifying Potential Patient Safety Issues From the Federal Electronic Health Record Surveillance Program
TB Pacheco, AZ Hettinger, and RM Ratwani

2340 Trends in Intentional and Unintentional Opioid Overdose Deaths in the United States, 2000-2017
M Olfson and Coauthors

Comment & Response

2342 Blood Pressure Indexes Associated With Mortality and Cardiovascular Outcomes

2344 Bone Turnover Markers in Osteoporosis

Editor in Chief
Howard Bauchner, MD

136 YEARS
OF CONTINUOUS
PUBLICATION

Clinical Review & Education

Does This Patient Have Hip Osteoarthritis?

2323



Patients with osteoarthritis of the hip may benefit from weight loss, physiotherapy, intra-articular injections, or total hip replacement. This article in the JAMA Rational Clinical Examination series by Metcalfe and colleagues reviews the clinical diagnosis of hip osteoarthritis.

Coronary Microvascular Dysfunction

2334

Many women with persistent symptoms and signs of ischemia have no evidence of obstructive coronary artery disease on angiography. This JAMA Insights article by Wei and colleagues discusses the diagnosis and treatment of coronary microvascular dysfunction.

➔ JAMA Patient Page 2358

➕ Audio Interview jama.com

Point-of-Care Urine Pregnancy Tests

2336

This JAMA Diagnostic Test Interpretation article by Latifi and colleagues presents a 40-year-old woman with abdominal pain, constipation, and amenorrhea whose point-of-care urine human chorionic gonadotropin test result was negative for pregnancy. What would you do next?



JAMA Patient Page

2358 Testing for Coronary Microvascular Dysfunction

NEWS & ANALYSIS

Medical News & Perspectives

2271 Heritage Diets and Culturally Appropriate Dietary Advice May Help Combat Chronic Diseases

Quick Uptakes

2273 Study Clarifies Cancer Risk Among People With Psoriasis

2274 The JAMA Forum

Making Health Care More Productive

2276 Global Health

WHO Takes Aim at Noncommunicable Diseases and Traffic Injuries

Poliovirus Type 3 Is Eradicated

Widespread Blood Shortages Threaten Global Public Health

2277 News From the FDA

New Therapy for Rare Anemia

Test for HIV Drug-Resistance Mutations

Update on Biotin Interference With Troponin Tests

➕ Online @ jama.com



Editor's Audio Summary

Howard Bauchner, MD, summarizes and comments on this week's issue.

Author Audio Interview



Mark D. Huffman, MD, MPH, author of "Implementation Strategies for Cardiovascular Polypills"

Visual Abstract

"Effect of Rocuronium vs Succinylcholine on Endotracheal Intubation Success Rate Among Patients Undergoing Out-of-Hospital Rapid Sequence Intubation: A Randomized Clinical Trial" and "Effect of a Strategy of Comprehensive Vasodilation vs Usual Care on Mortality and Heart Failure Rehospitalization Among Patients With Acute Heart Failure: The GALACTIC Randomized Clinical Trial"

Audio Interview

The Underappreciated Problem of Cardiac Disease in Women



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Departments

2265 Staff Listing

2338 CME Questions

2354 Classified Advertising

2356 Journal Advertiser Index

2357 Contact Information

Instructions for Authors

jama.com/public/instructionsforauthors.aspx

Research

Prevalence of Diabetes by Race and Ethnicity

2389

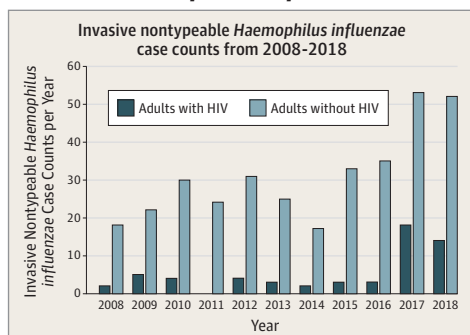
Worldwide, the prevalence of diabetes in Hispanic and Asian populations is higher than in populations of European or African origin. Cheng and colleagues analyzed data from nationally representative cross-sectional surveys of 7575 US adults and found that the prevalence of diabetes and undiagnosed diabetes varied by race and ethnicity and among Hispanic and non-Hispanic Asian subpopulations. In an Editorial, Matsushita and colleagues suggest that future studies should rely on definitions for diabetes and prediabetes that more closely reflect clinical practice.

Editorial 2387

CME jamanetwork.com/learning

Invasive *Haemophilus influenzae* Infection

2399



Risk factors for invasive nontypeable *Haemophilus influenzae* infection include chronic lung disease, malignancy, pregnancy, and HIV infection. Collins and colleagues analyzed data for 553 adults and found that 2 genetically related clonal strains were associated with septic arthritis among black men who have sex with men and were living in geographic proximity.

Premature Menopause and Cardiovascular Disease

2411

Premature menopause has been reported to be associated with an increased risk of coronary artery disease and stroke. Honigberg and colleagues conducted a cohort study of 144 260 postmenopausal women and found that menopause before the age of 40 years was associated with an increased risk of cardiovascular disease.



Humanities

The Arts and Medicine

2368 Graphic Medicine—The Best of 2019
MJ Green, LH Plotkin, and MN Noe

Poetry and Medicine

2446 Evergreen
A Sievert

JAMA Revisited

2447 The Sanitary Inquiry as to Tenement-Houses in New York City

Opinion

Viewpoint

2377 Addressing Bias in Artificial Intelligence in Health Care
RB Parikh, S Teeple, and AS Navathe

2379 Addressing Social Determinants to Improve Population Health: The Balance Between Clinical Care and Public Health
M Silverstein, HE Hsu, and A Bell

2381 Clarifying the Meaning of Clinically Meaningful Benefit in Clinical Research: Noticeable Change vs Valuable Change
KP Weinfurt

2383 Real-Time Benefit Tools for Drug Prices
J Everson, ME Frisse, and SB Dusetzina

A Piece of My Mind

2385 Goals That Ricochet
RN Hutchinson

Editorial

2387 Addressing Challenges and Implications of National Surveillance for Racial/Ethnic Disparities in Diabetes
K Matsushita, O Tang, and E Selvin

LETTERS

Research Letter

2440 Changes in Trends in Thyroid Cancer Incidence in the United States, 1992 to 2016
AE Powers and Coauthors

2441 Incidence of Hypoparathyroidism After Thyroid Cancer Surgery in South Korea, 2007-2016
SV Ahn and Coauthors

Comment & Response

2443 Continuing Antipsychotic Medication for Patients With Psychotic Depression in Remission

2444 Healthy Diet and Risk of Dementia in Older Adults

2445 Correction

Editor in Chief
Howard Bauchner, MD

136 YEARS
OF CONTINUOUS
PUBLICATION

Clinical Review & Education

Chronic Pancreatitis



Singh and colleagues review the pathophysiology and clinical management of chronic pancreatitis, which is characterized by exocrine insufficiency, diabetes, and chronic pain.

CME jamanetwork.com/learning

2422

WOMEN'S HEALTH

Bladder Pain Syndrome in Women

Bladder pain syndrome may have multiple etiologies and comorbidities with variable clinical presentations. This JAMA Insights article by Bresler and colleagues discusses the differential diagnosis of bladder pain syndrome and a stepwise approach to treatment.

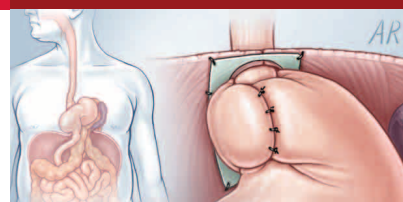
2435

A Patient With Multiple Hemorrhages



This JAMA Clinical Challenge by van Baalen and colleagues presents a 61-year-old man with a history of psychosis who had weakness, arthralgias, anemia, and multiple hemorrhages without evidence of coagulopathy or thrombocytopenia. What would you do next?

2437



JAMA Patient Page

2450 Paraesophageal Hernia Repair and Fundoplication

NEWS & ANALYSIS

Medical News & Perspectives

2371 Assessing Whether Infertile Men Have a Higher Risk of Prostate Cancer

The JAMA Forum

2372 Health Care Legislation, the 2020 Election, and Beyond

2374 Health Agencies Update

Antibody Testing Accurately Identifies Children With Sesame Allergy

US Sues Gilead, Alleging PrEP Drugs Infringe on HHS Patents

VA Efforts to Reduce Opioid Overdose Deaths in At-Risk Veterans

2375 Clinical Trials Update

Tranexamic Acid Improves Outcomes in TBI

Free Medications Boost Treatment Adherence

Statins in Childhood May Reduce CVD From Familial Hypercholesterolemia

Circadian Timing of Medications Affects CVD Outcomes

Wireless Technology Quickly Confirms TB Medication Adherence

2376 News From the CDC

Childhood Hardships Contribute to Poor Adult Health

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Editor's Audio Summary

Angel Desai, MD, summarizes and comments on this week's issue.

Audio Interview



"What Do I Need to Know About e-Cigarettes and If They Help People Stop Smoking?"

Author Audio Interview



Amol S. Navathe, MD, PhD, author of "Addressing Bias in Artificial Intelligence in Health Care"

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Departments

2365 Staff Listing

2439 CME Questions

2448 Recruitment Advertising

2448 Journal Advertiser Index

2449 Contact Information

Instructions for Authors

jamanetwork.com/public/instructionsforauthors.aspx

Research

Use of Gamification for Increasing Physical Activity 1624

In this randomized clinical trial of 602 overweight and obese adults from 40 states across the United States, Patel and colleagues assessed the effectiveness of support, collaboration, and competition within a behaviorally designed gamification intervention to increase physical activity. Participants used a wearable device to track daily steps, established a baseline, selected a step goal increase, were randomly assigned to a control or to 1 of 3 gamification interventions, and were remotely monitored. Results showed that the gamification arm had the greatest increase in physical activity from baseline during the intervention; during the 12-week follow-up, physical activity was lower among the cohort but remained greater in the gamification arm.

Insulin Treatment Among Adults Aged 75 to 79 Years 1633

Weiner and colleagues performed this cohort study to examine whether insulin treatment is used less frequently and discontinued more often among older individuals with poor health compared with those in good health. The cohort included individuals with type 2 diabetes who were followed for up to 4 years starting at age 75 years. Health status was defined as good (<2 comorbid conditions or 2 comorbidities but physically active), intermediate (>2 comorbidities or 2 comorbidities and no self-reported weekly exercise), or poor (having end-stage pulmonary, cardiac, or renal disease; diagnosis of dementia; or metastatic cancer). Insulin use was most prevalent among those in poor health, whereas subsequent insulin discontinuation after age 75 years was most likely in healthier patients.

CT Radiation Doses Used for Lung Cancer Screening Scans 1650

This cohort study by Demb and colleagues identified factors associated with radiation dose variation occurring during computed tomography (CT) screening scans for lung cancer. Lung cancer screening dose metrics were collected from US institutions in the University of California, San Francisco International Dose Registry, and institution-level factors were collected through baseline survey. Results showed wide dose variation across institutions performing CT scans. Institutions with protocol creation limited to lead radiologists or medical physicists and collaborating internal medical physicists had lower doses, whereas institutions where any radiologists could establish protocols had higher doses.

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Effect of Collaborative Dementia Care on Quality of Life 1658

In this randomized clinical trial, Possin and colleagues examined the effects of the Care Ecosystem, a program for collaborative dementia care delivered over the telephone and internet by a trained care team navigator, on key outcomes for persons with dementia and their caregivers compared with usual care. The Care Ecosystem is a model for delivering care from centralized hubs across broad geographic areas to caregivers and persons with dementia independently of their health system affiliations. During study follow-up, it was shown that the Care Ecosystem improved quality of life of persons with dementia, reduced emergency department visits, and decreased caregiver depression and burden. Tjia provides the Invited Commentary.

📖 Invited Commentary 1667 Related Article 1617

Opinion

Perspective

1617 Sharing the Care—
A Patient and Her Caregivers
MR Sterling and AL Shaw

1619 Perioperative Risk Calculators
and the Art of Medicine
N Rohatgi

Invited Commentary

1667 A Telephone-Based Dementia Care
Management Intervention—
Finding the Time to Listen
J Tjia

1686 Confronting Bias and Discrimination
in Health Care—When Silence
Is Not Golden
LA Cooper and Coauthors

1697 Aligning Care With Patient Values
and Priorities
IG Hargraves and VM Montori

1706 The Case of Noninvasive
Cardiac Testing—For Every Action
There Is a Reaction
JF Figueroa and KE Joynt Maddox

Clinical Review & Education

Teachable Moment

1708 The Importance of Obtaining
Sexual History in Older Adults:
A Teachable Moment
N Pedley and J Khalili

LETTERS

Research Letter

1710 Association of Cigarette Type
With Lung Cancer Incidence and
Mortality: Secondary Analysis
of the National Lung Screening Trial
NT Tanner and Coauthors

1712 | **HEALTH CARE POLICY AND LAW**
Potential Medicare Savings From
Generic Substitution and Therapeutic
Interchange of ACE Inhibitors and
Angiotensin-II-Receptor Blockers
ME Growdon and Coauthors

1714 Trends in Hospitalization vs
Observation Stay for Ambulatory
Care-Sensitive Conditions
JF Figueroa and Coauthors

1716 Inclusion of Clinical Trial Registration
Numbers in Conference Abstracts
and Conformance of Abstracts
to CONSORT Guidelines
EC Wright and Coauthors

Research (continued)

Outcomes in Older Adults With Myocardial Infarction 1669

Hajduk and colleagues performed this cohort study to evaluate the association of mobility impairment, measured during hospitalization, as a risk marker for functional decline among older patients with acute myocardial infarction. Mobility was evaluated during hospitalization using the Timed "Up and Go," with scores categorized as preserved mobility, mild impairment, moderate impairment, and severe impairment. Self-reported function in activities of daily living and walking was assessed at baseline and 6 months after discharge. Results demonstrated that more than half of the cohort demonstrated mobility impairment during hospitalization for acute myocardial infarction and that an easy-to-administer mobility assessment may be useful to identify older patients with acute myocardial infarction who are at risk for functional decline.

Physician and Trainee Experiences With Patient Bias 1678

This qualitative study by Wheeler and colleagues assessed how a convenience sample of physicians and trainees perceived and responded to encounters with biased patients. Data were collected from hospitalist attending physicians, internal medicine residents, and medical students during focus groups. Participants used their own definition of biased patient behavior. Reported behavior ranged from patient refusal of care and explicit racist, sexist, or homophobic remarks to belittling compliments or jokes. Targeted physicians reported an emotional toll that included exhaustion, self-doubt, and cynicism. Cooper and colleagues provide an Invited Commentary.

➤ Invited Commentary 1686

➤ Author Audio Interview jamainternalmedicine.com

Patient Priorities–Aligned Decision-Making Outcomes 1688

This nonrandomized clinical trial by Tinetti and colleagues compared self-reported patient outcomes and burden of unwanted care among older adults with multiple chronic conditions who received either patient priorities–based care or usual care. Patient priorities care was defined as an approach to decision-making that includes patients identifying their health priorities and clinicians aligning their decision-making to achieve these health priorities. Although there was no difference in perception of whether their care was goal-directed or coordinated, participants receiving patient priorities care vs usual care reported a greater reduction in treatment burden. Hargraves and Montori provide the Invited Commentary.

➤ Invited Commentary 1697

Trends in Medicare Rates for Noninvasive Cardiac Tests 1699

In this observational study using Medicare claims data, Masoudi and colleagues quantified trends in differential Medicare fee-for-service (FFS) payments for noninvasive cardiac tests performed in hospital-based and provider-based settings, and determined the association between the hospital-based outpatient testing to provider-based office testing payment ratio and the proportion of hospital-based noninvasive cardiac tests. Results showed that the Medicare payment ratio of FFS hospital-based outpatient testing to provider-based office testing increased over a decade, and the FFS hospital-based outpatient testing proportion increased over an 8-year period and was correlated with the payment ratio. Figueroa and Joynt Maddox provide the Invited Commentary.

➤ Invited Commentary 1706

LETTERS (continued)

1717 Use of an Online Crowdfunding Platform for Unmet Financial Obligations in Cancer Care
AJ Cohen and Coauthors

1721 Risk Analysis for the Carcinogen Pulegone in Mint- and Menthol-Flavored e-Cigarettes and Smokeless Tobacco Products
SV Jabba and S-E Jordt

1723 | **PHYSICIAN WORK ENVIRONMENT AND WELL-BEING**
Clinician Experience of Electronic Health Record Configurations Displaying 1 vs 4 Records at a Time
WN Southern and Coauthors

1725 Association Between Having an Automatic Reenrollment Option and Reenrollment in the Health Insurance Marketplaces
C Drake and DM Anderson

1726 Gender Differences in Twitter Use and Influence Among Health Policy and Health Services Researchers
JM Zhu and Coauthors

Comment & Response

1729 Association of Anticholinergic Drug Exposure With Increased Occurrence of Dementia

1731 Additional Questions Regarding Wide QRS Tachycardia and Atrial Fibrillation

1732 Diagnosis and Management of Hyperparathyroidism

1734 Ketogenic Diets for Diabetes and Obesity

1736 Biomarker-Informed Treatment Decisions in Cognitively Impaired Patients Do Not Apply to Preclinical Alzheimer Disease

1737 Safety of the Use of Radioactive Iodine in Patients With Hyperthyroidism

1739 Correction

Departments

1616 Staff Listing

1650, 1708 CME Articles

1741 Recruitment Advertising

1742 Contact Information

1744 CME Questions

- ☐ Occupational Medicine & Health Affairs
- ☐ Primary Healthcare: Open Access

Related Subjects

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- ☐ Medical Journals Journals
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Current Issue | Volume 9, Issue 6

Awards at 9th International Conference on Public Health and Nursing

Jean Turner

Awards 2020: J Community Med Health Educ 2019



Palestinian Resident Doctors’ Job Satisfaction and Quality of Working Life in the West Bank Hospitals

Mohanad Saleh, Rami A Misk and Tareq Z Alzughayyar

Research Article: J Community Med Health Educ 9:
667



What did the Community Health Worker do that was Helpful? Perceptions from Patients with Type 2 Diabetes

yan CH, Rodriquez A, Gerber BS and Sharp LK

Research Article: J Community Med Health Educ 9:
668



Effectiveness of Health Education Interventions on Modifying Cardiovascular Diseases Risk Factors: Systematic Review and Meta-Analysis

Radwan NM, Al-Khashan HM, Alamri FA, Kabbash E, Abu-Elenin MM and El-Olemy AT

Research Article: J Community Med Health Educ 9:
669



Lifestyle Diseases and Associated Risk Behaviors among Medical Student in Saudi Arabia

Ali E Mansour, Salman Almokhlef, Rayan Alqfari and Mohammad Alduwayrij

Research Article: J Community Med Health Educ 9:
670



The Automated Blood Count: Its History, Utility

and Need for Change

Srdjan Denic, Abdul Kader Souid and M Gary Nicholls

Review Article: J Community Med Health Educ 9: 671



Acenocoumarol and Proton Pump Inhibitors
Interaction: Results from a Prospective,
Multicenter Study

Research Article: J Community Med Health Educ 9:
672



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[Skip to main content](#)



[Journal of General Internal Medicine](#)

[All Volumes & Issues](#)

ISSN: 0884-8734 (Print) 1525-1497 (Online)

In this issue (44 articles)

1. From the Editors' Desk

From the Editors' Desk: Peer Review at JGIM

[Carol K Bates MD](#), [Jeffrey L Jackson MD MPH](#)... Pages 2687-2692

2. Concise Research Reports

Improving Care for Patients with Sickle Cell Disease: a Qualitative Study of Hospitalized Sickle Cell Patients

[Amira del Pino-Jones MD](#), [Kasey Bowden NP](#)... Pages 2693-2694

3. Concise Research Reports

Uncitedness in the Top General Medical Journals

[M. Hossein Nowroozzadeh MD](#)... Pages 2695-2696

4. Concise Research Report

Racial and Ethnic Differences in Healthcare Utilization among Medicare Fee-For-Service Enrollees

[Eun Ji Kim MD, MS, MS](#), [Victoria A. Parker DBA](#)... Pages 2697-2699

5. Concise Research Report

Quality of Mental Health Care in Integrated Veterans Affairs Patient-Centered Medical Homes: a National Observational Study

[Lucinda B. Leung MD, PhD, MPH](#)... Pages 2700-2701

6. Concise Research Reports

Increases in Online Posts About Synthetic Opioids Preceding Increases in Synthetic Opioid Death Rates: a Retrospective Observational Study

[Daniel A. Bowen MPH](#), [Julie O'Donnell PhD](#)... Pages 2702-2704

7. Concise Research Reports

Recognition of Inhaled Corticosteroids or Leukotriene Inhibitors as Controller Medications Among Older Adults and Its Association with Asthma Controller Medication Adherence

[Grace E. McInerney BS](#), [Rachel O'Connor PhD, MPH](#)... Pages 2705-2707

8. Concise Research Report

Comparing Comprehensiveness in Primary Care Specialties and Their Effects on Healthcare Costs and Hospitalizations in Medicare Beneficiaries

[Tracey L. Henry MD MPH MS](#), [Stephen Petterson PhD](#)... Pages 2708-2710

9. Concise Research Reports

Consistency of Blood Pressure Control: a Useful Tool of Hypertension Assessment in a Vulnerable Population

[Anthi Katsouli MD, MPH](#), [Tanu S. Pandey MD, MPH](#)... Pages 2711-2713

10. Letter

The Relationship Between Federal Housing Assistance and Uptake of Cancer Screening Among Low-Income Adults

[Michelle S. Wong PhD](#), [Carolyn M. Arnold MD MPH](#)... Pages 2714-2716

11. Concise Research Reports

Benzodiazepine Use in the USA Is Driven by Long-term Users: a Repeated Cross-sectional Study of MEPS 2002–2016Michael E. Johansen MD, MS, Joshua D. Niforatos MTS Pages 2717-2719

12. Concise Research Reports

Who Orders Screening Mammograms in Older Women with Limited Life Expectancy?Nancy L. Schoenborn MD, MHS, Jin Huang MS, PhD... Pages 2720-2722

13. Concise Research Reports

Access to Treatment for Drug Use Disorders at US Health Centers: a National StudyBenjamin Bearnot MD, Danielle R. Fine MD... Pages 2723-2725

14. Concise Research Reports

Smartphone-Based Remote Health Monitoring—Implications for Healthcare Delivery in Patients with CirrhosisJordan Sack MD, Nikroo Hashemi MD MPH Pages 2726-2727

15. Concise Research Report

Training Primary Care Physicians to Serve Underserved Communities: Follow-up Survey of Primary Care GraduatesLisa Altshuler PhD, Harriet Fisher BA... Pages 2728-2730

16. Concise Research Reports

Association Between Community Economic Distress and Receipt of Recommended Services Among Medicare Fee-for-Service EnrolleesWilliam B. Weeks MD, PhD, MBA, Stacey Y. Cao MHS... Pages 2731-2732

17. Concise Research Report

Gender Differences and Themes in Peer Nominations for Chief Resident: a Qualitative AnalysisMaureen D. Lyons MD, Michelle K. Martinchek MD, MPH... Pages 2733-2734

18. Concise Research Reports

More Information Needed on Probiotic Supplement Product LabelsDaniel Merenstein MD, John Guzzi BS... Pages 2735-2737

19. Concise Research Report

“This institution was never meant for me”: the Impact of Institutional Historical Portraiture on Medical StudentsElizabeth Fitzsosa BA, Nientara Anderson BA, MHS... Pages 2738-2739

20. Original Research

The Medicare Shared Savings Program and Outcomes for Ischemic Stroke Patients: a Retrospective Cohort StudyBrystana G. Kaufman PhD, Emily C. O'Brien PhD... Pages 2740-2748Support 

[Skip to main content](#)



[Journal of General Internal Medicine](#)

[All Volumes & Issues](#)

ISSN: 0884-8734 (Print) 1525-1497 (Online)

In this issue (44 articles)

1. Original Research

Mortality After Discontinuation of Primary Care–Based Chronic Opioid Therapy for Pain: a Retrospective Cohort Study

[Jocelyn R. James MD](#), [JoAnna M. Scott PhD](#)... Pages 2749-2755

2. Original Research

Food Insecurity and Chronic Disease in US Young Adults: Findings from the National Longitudinal Study of Adolescent to Adult Health

[Jason M. Naqata MD, MSc](#), [Kartika Palar PhD](#)... Pages 2756-2762

3. Original Research

Association between Physician Intensity of Antibiotic Prescribing and the Prescription of Benzodiazepines, Opioids and Proton-Pump Inhibitors to Nursing Home Residents: a Population-Based Observational Study

[Kieran L. Quinn MD, MSc](#), [Michael A. Campitelli MPH](#)... Pages 2763-2771

4. Original Research

Low Awareness of Nonalcoholic Fatty Liver Disease in a Population-Based Cohort Sample: the CARDIA Study

[Erin R. Cleveland MD](#), [Hongyan Ning MD, MS](#)... Pages 2772-2778

5. Original Research

Differential Impact of Food Insecurity, Distress, and Stress on Self-care Behaviors and Glycemic Control Using Path Analysis

[Rebekah J. Walker PhD](#), [Jennifer A. Campbell MPH](#)... Pages 2779-2785

6. Original Research

Expert Recommendations on Frequency of Utilization of Common Laboratory Tests in Medical Inpatients: a Canadian Consensus Study

[Anshula Ambasta MD, MPH, FRCPC](#), [Stefana Pancic MD](#)... Pages 2786-2795

7. Original Research

Inpatient Addiction Medicine Consultation and Post-Hospital Substance Use Disorder Treatment Engagement: a Propensity-Matched Analysis

[Honora Englander MD](#), [Konrad Dobbertin MPH](#)... Pages 2796-2803

8. Original Research

Impact of Adding Telephone-Based Care Coordination to Standard Telephone-Based Smoking Cessation Counseling Post-hospital Discharge: a Randomized Controlled Trial

[Edward F. Ellerbeck MD, MPH](#), [Lisa Sanderson Cox PhD](#)... Pages 2804-2811

9. Original Research

Teaching Safe Opioid Prescribing During the Opioid Epidemic: Results of the 2018 Clerkship Directors in Internal Medicine Survey

[Mim Ari MD](#), [Michael Kisielewski MA](#)... Pages 2812-2817

10. Original Research

Electronic Health Record Phenotypes for Identifying Patients with Late-Stage Disease: a Method for Research and Clinical Application

Natalie C. Ernecoff PhD, MPH, Kathryn L. Wessell BS... Pages 2818-2823

11. Original Research

Screening for Substance Use in Rural Primary Care: a Qualitative Study of Providers and Patients

Elizabeth C. Saunders MS, Sarah K. Moore PhD... Pages 2824-2832

12. Original Research

Commercialization of User Data by Developers of Medicines-Related Apps: a Content Analysis

Quinn Grundy PhD, RN, Kellia Chiu BPharm... Pages 2833-2841

13. Review Paper

Impact of Project ECHO Models of Medical Tele-Education: a Systematic Review

Ryan K. McBain PhD, MPH, Jessica L. Sousa MPH, MSW... Pages 2842-2857

14. Review

Pharmacotherapy for Cocaine Use Disorder—a Systematic Review and Meta-analysis

Brian Chan MD MPH, Karli Kondo PhD MA... Pages 2858-2873

15. Systematic Review

A Systematic Review and Meta-analysis of Depression, Anxiety, and Sleep Disorders in US Adults with Food Insecurity

Daniel J. Arenas PhD, Arthur Thomas BA... Pages 2874-2882

16. Review

Efficacy of Biofeedback for Medical Conditions: an Evidence Map

Karli Kondo PhD, MA, Katherine M. Noonan PhD... Pages 2883-2893

17. Perspective

Primary Care: the New Frontier for Reducing Readmissions

Sonali Saluja MD, MPH, Michael Hochman MD, MPH... Pages 2894-2897

18. Viewpoint

Accountable Care Organizations' Performance in Depression: Lessons for Value-Based Payment and Behavioral Health

Nathaniel Z Counts JD, Glenda Wrenn MD, MSHP... Pages 2898-2900

19. Viewpoint

Achieving Osler's Ideal of Imperturbability

R. Chris Jones M.D. Pages 2901-2902

20. Viewpoint

Collaborator Conundrums

Stephanie Parks Taylor MD, MS, Marc Kowalkowski PhD Pages 2903-2905

Support 

[Skip to main content](#)



[Journal of General Internal Medicine](#)

[All Volumes & Issues](#)

ISSN: 0884-8734 (Print) 1525-1497 (Online)

In this issue (44 articles)

1. Viewpoint

Unpacking the Potential for Virtual Care

[Jordan Anderson MD MPhil](#), [Ishani Ganquli MD MPH](#) Pages 2906-2907

2. Viewpoint

Asylum Seekers: Our Patients at the Border

[Samuel G. Ruchman AB](#) Pages 2908-2909

3. Healing Arts

A Phone Call

[Cosimo Nicola Stornio MD](#) Pages 2910-2911

4. Innovations in Medical Education

“Getting Everyone on the Same Page”: Interprofessional Team Training to Develop Shared Mental Models on Interprofessional Rounds

[Sok Ying Liaw RN, PhD](#), [Ling Ting Wu RN, MN](#)... Pages 2912-2917





Articles & Issues

Collections

Blog

For Authors

Journal Info

Home > December 2019 - Volume 57 - Issue 12

< [Previous Issue](#) | [Next Issue](#) >



December 2019 - Volume 57 - Issue 12

- [Table of Contents Outline](#)
- [Subscribe to eTOC](#)
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Editorial

A Thousand Cuts: Racial and Ethnic Disparities in Emergency Medicine

Soares, William E. III; Knowles, Kenneth J. II; Friedmann, Peter D.

Medical Care. 57(12):921-923, December 2019.

- [Favorites](#)
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[Table of Contents Outline](#) | [Back to Top](#)

Original Articles

Racial/Ethnic Disparities in Pain Treatment: Evidence From Oregon Emergency Medical Services Agencies

Kennel, Jamie; Withers, Elizabeth; Parsons, Nate; [More](#)

Medical Care. 57(12):924-929, December 2019.

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Contributors to Racial Disparities in Minimally Invasive Hysterectomy in the US Department of Veterans Affairs

Katon, Jodie G.; Bossick, Andrew S.; Doll, Kemi M.; [More](#)

Medical Care. 57(12):930-936, December 2019.

☐ Abstract ☐ Favorites ☐ PDF ☐ Get Content & Permissions

SDC

Improving Shared Decision Making For Asian American Pacific Islander Sexual and Gender Minorities

Bi, Stephanie; Gunter, Kathryn E.; López, Fanny Y.; [More](#)

Medical Care. 57(12):937-944, December 2019.

☐ Abstract ☐ Favorites ☐ PDF ☐ Get Content & Permissions

SDC

Association Between Geographic Measures of Socioeconomic Status and Deprivation and Major Surgical Outcomes

Crawford, Sara; Schold, Jesse

Medical Care. 57(12):949-959, December 2019.

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Is Perceived Stigma in Clinical Settings Associated With Poor Health Status Among New York City's Residents of Color?

De, Prabal; Pozen, Alexis; Budhwani, Henna

Medical Care. 57(12):960-967, December 2019.

☐ Abstract ☐ Favorites ☐ PDF ☐ Get Content & Permissions

Relative Effects of the Hospital Readmissions Reduction Program on Hospitals That Serve Poorer Patients

Wasfy, Jason H.; Bhambhani, Vijeta; Healy, Emma W.; [More](#)

Medical Care. 57(12):968-976, December 2019.

[Abstract](#) [Favorites](#) [PDF](#) [Get Content & Permissions](#)

SDC

HRSA-funded Health Centers Are an Important Source of Care and Reduce Unmet Needs in Primary Care Services

Pourat, Nadereh; Chen, Xiao; Lee, Christopher; [More](#)

Medical Care. 57(12):996-1001, December 2019.

[Abstract](#) [Favorites](#) [PDF](#) [Get Content & Permissions](#)

SDC

The Role of the National Health Service Corps Clinicians in Enhancing Staffing and Patient Care Capacity in Community Health Centers

Han, Xinxin; Pittman, Patricia; Erikson, Clese; [More](#)

Medical Care. 57(12):1002-1007, December 2019.

[Abstract](#) [Favorites](#) [PDF](#) [Get Content & Permissions](#)

SDC

[Table of Contents Outline](#) | [Back to Top](#)

Special Commentary

The Challenges Presented Around Collection of Patient Sexual Orientation and Gender Identity Information For Reduction of Health Disparities

Dichter, Melissa E.; Ogden, Shannon N.

Medical Care. 57(12):945-948, December 2019.

[Favorites](#) [PDF](#) [Get Content & Permissions](#)

[Table of Contents Outline](#) | [Back to Top](#)

Patient-centered Care

Drivers of Hospital Length of Stay in Medicaid and Commercially Insured Mother-Infant Pairs With a Diagnosis of Neonatal Abstinence Syndrome

Parlett, Lauren; Agiro, Abiy; Brown, Susan; [More](#)

Medical Care. 57(12):977-983, December 2019.

[Abstract](#) [Favorites](#) [PDF](#) [Get Content & Permissions](#)

[SDC](#)

[Table of Contents Outline](#) | [Back to Top](#)

Brief Reports

Persistent Disparities in Medicare’s Annual Wellness Visit Utilization

Lind, Kimberly E.; Hildreth, Kerry L.; Perrailon, Marcelo Coca

Medical Care. 57(12):984-989, December 2019.

[Abstract](#) [Favorites](#) [PDF](#) [Get Content & Permissions](#)

[SDC](#)

Inclusion of Nursing Homes and Long-term Residents in Medicare ACOs

Chang, Chiang-Hua; Mainor, Alexander; Raymond, Stephanie; [More](#)

Medical Care. 57(12):990-995, December 2019.

[Abstract](#) [Favorites](#) [PDF](#) [Get Content & Permissions](#)

[Table of Contents Outline](#) | [Back to Top](#)

Errata

The Impacts of the ACA Medicaid Expansions on Cancer Screening Use by Primary Care Provider Supply: Erratum

Medical Care. 57(12):1008, December 2019.

[Favorites](#) [PDF](#) [Get Content & Permissions](#)

The Impact of the ACA Medicaid Expansions on Dental Visits by Dental Coverage Generosity and Dentist Supply: Erratum

Medical Care. 57(12):1008, December 2019.

[Favorites](#) [PDF](#) [Get Content & Permissions](#)

[Table of Contents Outline](#) | [Back to Top](#)

Online Articles

Applied Methods

Differences in Consumer Assessment of Healthcare Providers and Systems Clinician and Group Survey Scores by Recency of the Last Visit: Implications for Comparability of Periodic and Continuous Sampling

Setodji, Claude M.; Burkhart, Q.; Hays, Ron D.; [More](#)

Medical Care. 57(12):e80-e86, December 2019.

[Abstract](#) [Favorites](#) [PDF](#) [Get Content & Permissions](#)



Using Ancillary Sociodemographic Data to Identify Sexual Minority Adults Among Those Responding “Something Else” or “Don’t Know” to Sexual Orientation Questions

Elliott, Marc N.; Dahlhamer, James M.; MacCarthy, Sarah; [More](#)

Medical Care. 57(12):e87-e95, December 2019.

[Abstract](#) [Favorites](#) [PDF](#) [Get Content & Permissions](#)



[Table of Contents Outline](#) | [Back to Top](#)

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◀ PREVIOUS ISSUE

NEXT ISSUE ▶

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VOL. 381 NO. 23

...

Current Issue

Browse all past issues

PERSPECTIVE

Bracing for the Worst — Range Expansion of the Lone Star Tick in the Northeastern United States

G. Molaei, E.A.H. Little, S.C. Williams, and K.C. Stafford

2189-2192

Preparing for the Next Pandemic — The WHO’s Global Influenza Strategy

M. Eccleston-Turner, A. Phelan, and R. Katz

2192-2194

History of Medicine: Sir William Osler (1849–1919) — The Uses of History and the Singular Beneficence of Medicine

C.S. Bryan and S.H. Podolsky

2194-2196

Health and High Water

N.K. Ahuja

2196-2197

ORIGINAL ARTICLES

Total Hip Arthroplasty or Hemiarthroplasty for Hip Fracture

The HEALTH Investigators

2199-2208

Phase 3 Efficacy Analysis of a Typhoid Conjugate Vaccine Trial in Nepal

M. Shakya and Others

2209-2218

Endoscopic or Surgical Myotomy in Patients with Idiopathic Achalasia

Y.B. Werner and Others

2219-2229

Ubrogепant for the Treatment of Migraine

D.W. Dodick and Others

2230-2241

REVIEW ARTICLE

Lay Responder Care for an Adult with Out-of-Hospital Cardiac Arrest

W.J. Brady, A. Mattu, and C.M. Slovis

2242-2251

IMAGES IN CLINICAL MEDICINE

Retinal Hemorrhage from Blunt Ocular Trauma

J. Jinagal and P. Dhiman

2252

Merkel-Cell Carcinoma

P.J. Gomez-Arias and R. Salido-Vallejo

e40

CLINICAL PROBLEM-SOLVING

Facing Uncertainty

C. Thomas, R.A. Vleugels, D.J. Kwiatkowski, B. Levy, and J. Loscalzo

2253-2259

EDITORIALS

Should Total Hip Arthroplasty Be Used for Hip Fracture?

J.-E. Gjersten

2261-2262

Parting the Clouds over Typhoid with a New Conjugate Vaccine

F. Marks and J.H. Kim

2262-2264

SPECIAL REPORT

Shattuck Lecture: The Future of Care — Preserving the Patient–Physician Relationship

J. Noseworthy

2265-2269

CLINICAL IMPLICATIONS OF BASIC RESEARCH

Taking a BAT to the Chains of Diabetes

Z. Arany

2270-2272

CORRESPONDENCE

Brain Changes in Response to Long Antarctic Expeditions

2273-2275

Five-Year Outcomes of a Randomized Trial of Treatments for Varicose Veins

2275-2276

Magnetic Resonance Perfusion or Fractional Flow Reserve in Coronary Disease

2276-2278

Treatment of Hypertension in Patients with Asthma

2278-2279

Opioid Use Disorder in Physicians

2279-2281

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◀ PREVIOUS ISSUE

NEXT ISSUE ▶

December 12, 2019

VOL. 381 NO. 24

... ▼

Current Issue
Browse all past issues

PERSPECTIVE

Machine Learning and the Cancer-Diagnosis Problem — No Gold Standard

A.S. Adamson and H.G. Welch

2285-2287

Kicking the Can Down the Road — When Medical Schools

Fail to Self-Regulate

S.A. Santen, J. Christner, G. Mejicano, and R.R. Hemphill

2287-2289

Adjö — My Patient's Prolonged Good-Bye

U. Ikediobi

2290-2291

ORIGINAL ARTICLES

A Randomized, Controlled Trial of Ebola Virus Disease Therapeutics

S. Mulangu and Others

2293-2303

Metoprolol for the Prevention of Acute Exacerbations of COPD

M.T. Dransfield and Others

2304-2314

Asciminib in Chronic Myeloid Leukemia after ABL Kinase Inhibitor Failure

T.P. Hughes and Others

2315-2326

Targeted Temperature Management for Cardiac Arrest with Nonshockable Rhythm

J.-B. Lascarrou and Others

2327-2337

REVIEW ARTICLE

Penicillin Allergy

M. Castells, D.A. Khan, and E.J. Phillips

2338-2351

IMAGES IN CLINICAL MEDICINE

Neonatal Hydrocolpos

M. Butin and O. Claris

2352

Telescoping Fingers in Rheumatoid Arthritis

H. Satis and A. Tufan

e41

CASE RECORDS OF THE MASSACHUSETTS GENERAL HOSPITAL

Case 38-2019: A 20-Year-Old Man with Dyspnea and Abnormalities on Chest Imaging

R.W. Hallowell, M.B. Feldman, B.P. Little, R.S. Karp Leaf, and L.P. Hariri

2353-2363

EDITORIALS

Monoclonal Antibody Therapy for Ebola Virus Disease

M.M. Levine

2365-2366

Beta-Blockers in COPD — A Controversy Resolved?

W. MacNee

2367-2368

CORRESPONDENCE

Changes in the Place of Death in the United States

2369-2370

C-Reactive Protein for Antibiotic Use in COPD Exacerbations

2371-2372

Myocardial Viability and Long-Term Outcomes in Ischemic Cardiomyopathy

2373-2374

Why Are Physicians So Confused about Acute Heart Failure?

2374-2376

Neurosyphilis

2376-2377



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◀ PREVIOUS ISSUE

NEXT ISSUE ▶

December 19, 2019

VOL. 381 NO. 25

...



Current Issue
Browse all past issues

PERSPECTIVE

Case Studies in Social Medicine: Embracing Multiple Normals — A 12-Year-Old Boy in India with a Cochlear Implant

M. Friedner, R. Nagarajan, A. Murthy, and R. Frankfurter

2381-2384

Who Pays in Medicare Part D? Giving Plans More Skin in the Game

E.E. Trish, P.B. Ginsburg, G.F. Joyce, and D.P. Goldman

2384-2387

Injecting Safety into Supplements — Modernizing the Dietary Supplement Law

P.A. Cohen and S. Bass

2387-2389

ORIGINAL ARTICLES

Niraparib in Patients with Newly Diagnosed Advanced Ovarian Cancer

A. González-Martín and Others

2391-2402

Veliparib with First-Line Chemotherapy and as Maintenance Therapy in Ovarian Cancer

R.L. Coleman and Others

2403-2415

Olaparib plus Bevacizumab as First-Line Maintenance in Ovarian Cancer

I. Ray-Coquard and Others

2416-2428

Final Analysis of a Trial of M72/AS01 Vaccine to Prevent

Tuberculosis

D.R. Tait and Others

2429-2439

SPECIAL ARTICLE

Projected U.S. State-Level Prevalence of Adult Obesity and Severe Obesity

Z.J. Ward and Others

2440-2450

CLINICAL PRACTICE

Care of Transgender Persons

J.D. Safer and V. Tangpricha

2451-2460

IMAGES IN CLINICAL MEDICINE

Tenosynovitis Due to *Mycobacterium avium* Complex

L. Kreutz-Rodrigues and K. Bakri

2461

Supracondylar Fracture

E. Beit Ner and R. Gilat

e42

CASE RECORDS OF THE MASSACHUSETTS GENERAL HOSPITAL

Case 39-2019: A 57-Year-Old Woman with Hypotension and Trauma after a Motorcycle Accident

D.R. King, J.C. Crowley, N.E. Frenk, and H.M.A. Kaafarani

2462-2469

EDITORIAL

Personalized Medicine for Primary Treatment of Serous Ovarian Cancer

D.L. Longo

2471-2474

CLINICAL IMPLICATIONS OF BASIC RESEARCH

When the CAR Targets Scar

J.A. Hill

2475-2476

CORRESPONDENCE

Extensively Drug-Resistant Shigellosis in Australia among Men Who Have Sex with Men

2477-2479

Antithrombotic Therapy for Atrial Fibrillation with Stable Coronary Disease

2479-2481

Application of High-Sensitivity Troponin in Suspected Myocardial Infarction

2482-2483

Update on the Pathogenesis of COPD

2483-2484

Update on Clinical Aspects of COPD

2484-2486

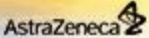
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December 26, 2019

VOL. 381 NO. 26

...

Current Issue

Browse all past issues

PERSPECTIVE

PrEParing to End the HIV Epidemic — California’s Route as a Road Map for the United States

D.S. Kazi, I.T. Katz, and A.K. Jha

2489-2491

Where Were the Women? Gender Parity in Clinical Trials

R.H. Goldstein and R.P. Walensky

2491-2493

Female Genital Schistosomiasis

P.J. Hotez, D. Engels, M. Gyapong, C. Ducker, and M.N. Malecela

2493-2495

ORIGINAL ARTICLES

Efficacy and Safety of Low-Dose Colchicine after Myocardial Infarction

J.-C. Tardif and Others

2497-2505

Cabazitaxel versus Abiraterone or Enzalutamide in Metastatic Prostate Cancer

R. de Wit and Others

2506-2518

Schistosomiasis — Assessing Progress toward the 2020 and 2025 Global Goals

A.K. Deol and Others

2519-2528

Early High-Dose Vitamin D₃ for Critically Ill, Vitamin D–Deficient Patients

The National Heart, Lung, and Blood Institute PETAL Clinical Trials Network

2529-2540

REVIEW ARTICLE

Effects of Intermittent Fasting on Health, Aging, and Disease

R. de Cabo and M.P. Mattson

2541-2551

IMAGES IN CLINICAL MEDICINE

Hereditary Hemorrhagic Telangiectasia

H. Schotland and S. Denstaedt

2552

Bladder Endometriosis

J.-H. Geng and Y.-C. Lee

e43

CASE RECORDS OF THE MASSACHUSETTS GENERAL HOSPITAL

Case 40-2019: A 26-Year-Old Returning Traveler with Headache

G.S. Stone, M. Glover, N. Jilg, and M.M. Sfeir

2553-2560

EDITORIALS

Inflammation as a Treatment Target after Acute Myocardial Infarction

L.K. Newby

2562-2563

Hormonal Therapy or Chemotherapy for Metastatic Prostate Cancer — Playing the Right CARD

M.A. Eisenberger and E.S. Antonarakis

2564-2566

Defeating Schistosomiasis

D.P. McManus

2567-2568

SPECIAL REPORT

Pathogen Genomics in Public Health

G.L. Armstrong and Others

2569-2580

CORRESPONDENCE

Active Surveillance for Black Men with Low-Risk Prostate Cancer in the United States

2581-2582

Volanesorsen, Familial Chylomicronemia Syndrome, and Thrombocytopenia

2582-2584

Gender Parity in Clinical PrEP Trials

2584-2586

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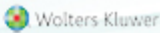
Weekly Table of Contents email

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Videos

Journal Info

Home > December 2019 - Volume 134 - Issue 6

< Previous Issue | Next Issue >



December 2019 - Volume 134 - Issue 6

[Table of Contents Outline](#)

[Subscribe to eTOC](#)

[View Contributor Index](#)

Contents

Gynecologic Oncology: Editorial

Simple Hysterectomy for Early-Stage Cervical Cancer: Caution, But Don't Throw the Baby Out With the Bathwater!

Nguyen, Julie My Van; Covens, Allan

Obstetrics & Gynecology. 134(6):1129-1131, December 2019.

[Favorites](#) [PDF](#) [Get Content & Permissions](#)

Gynecologic Oncology: Original Research

Trends in Use and Effect on Survival of Simple Hysterectomy for Early-Stage Cervical Cancer

Sia, Tiffany Y.; Chen, Ling; Melamed, Alexander; [More](#)

Obstetrics & Gynecology. 134(6):1132-1143, December 2019.

[Abstract](#) [In Brief](#) [Favorites](#) [PDF](#) [Get Content & Permissions](#)

Effects of Gastrointestinal-Type Chemotherapy in Women With Ovarian Mucinous Carcinoma

Kurnit, Katherine C.; Sinno, Abdulrahman K.; Fellman, Bryan M.; [More](#)

Obstetrics & Gynecology. 134(6):1253-1259, December 2019.

[Abstract](#) [In Brief](#) [Favorites](#) [PDF](#) [Get Content & Permissions](#)



Caring for Patients With Uterine Cancer in Rural and Public Hospitals in New York State

Gamble, Charlotte R.; Huang, Yongmei; Frey, Melissa K.; [More](#)

Obstetrics & Gynecology. 134(6):1260-1268, December 2019.

[Abstract](#) [In Brief](#) [Favorites](#) [PDF](#) [Get Content & Permissions](#)

Health Disparities: Editorial

Addressing Racial and Ethnic Disparities in Pain Management in the Midst of the Opioid Crisis

Bateman, Brian T.; Carvalho, Brendan

Obstetrics & Gynecology. 134(6):1144-1146, December 2019.

[Favorites](#) [PDF](#) [Get Content & Permissions](#)

Health Disparities: Original Research

Racial Disparities in Postpartum Pain Management

Badreldin, Nevert; Grobman, William A.; Yee, Lynn M.

Obstetrics & Gynecology. 134(6):1147-1153, December 2019.

☐ Abstract ☐ In Brief ☐ Favorites ☐ PDF ☐ Get Content & Permissions

Racial and Ethnic Inequities in Postpartum Pain Evaluation and Management

Johnson, Jasmine D.; Asiodu, Ifeyinwa V.; McKenzie, Christine P.; [More](#)

Obstetrics & Gynecology. 134(6):1155-1162, December 2019.

☐ Abstract ☐ In Brief ☐ Favorites ☐ PDF ☐ Get Content & Permissions

Abortion: Original Research

Opioid Analgesia for Medical Abortion: A Randomized Controlled Trial

Colwill, Alyssa Covelli; Bayer, Lisa L.; Bednarek, Paula; [More](#)

Obstetrics & Gynecology. 134(6):1163-1170, December 2019.

☐ Abstract ☐ In Brief ☐ Favorites ☐ PDF ☐ Get Content & Permissions



Contraception: Original Research

Desired Sterilization Procedure at the Time of Cesarean Delivery According to Insurance Status

Morris, Jane; Ascha, Mustafa; Wilkinson, Barbara; [More](#)

Obstetrics & Gynecology. 134(6):1171-1177, December 2019.

☐ Abstract ☐ In Brief ☐ Favorites ☐ PDF ☐ Get Content & Permissions

Expedited Scheduling of Interval Tubal Ligation: A Randomized Controlled Trial

Mercier, Rebecca J.; Perriera, Lisa; Godcharles, Cheryl; [More](#)

Obstetrics & Gynecology. 134(6):1178-1185, December 2019.

☐ Abstract ☐ In Brief ☐ Favorites ☐ PDF ☐ Get Content & Permissions



[SDC](#)

Infectious Disease: Original Research

Stillbirth Associated With Infection in a Diverse U.S. Cohort

Page, Jessica M.; Bardsley, Tyler; Thorsten, Vanessa; [More](#)

Obstetrics & Gynecology. 134(6):1187-1196, December 2019.

[Abstract](#) [In Brief](#) [Favorites](#) [PDF](#) [Get Content & Permissions](#)

Maternal Zika Virus Infection: Association With Small-for-Gestational-Age Neonates and Preterm Birth

Cooper, Hannah J.; Iwamoto, Martha; Lash, Maura; [More](#)

Obstetrics & Gynecology. 134(6):1197-1204, December 2019.

[Abstract](#) [In Brief](#) [Favorites](#) [PDF](#) [Get Content & Permissions](#)

[OPEN](#)

Combination Antiretroviral Therapy and Hypertensive Disorders of Pregnancy

Saums, Michele K.; King, Caroline C.; Adams, Jenna C.; [More](#)

Obstetrics & Gynecology. 134(6):1205-1214, December 2019.

[Abstract](#) [In Brief](#) [Favorites](#) [PDF](#) [Get Content & Permissions](#)

Hypertension: Case Report

Pregnancy Prolongation After Eculizumab Use in Early-Onset Preeclampsia

Lu, Angela B.; Lazarus, Benjamin; Rolnik, Daniel L.; [More](#)

Obstetrics & Gynecology. 134(6):1215-1218, December 2019.

[Abstract](#) [In Brief](#) [Favorites](#) [PDF](#) [Get Content & Permissions](#)

Hypertension: Original Research

Ibuprofen and Postpartum Blood Pressure in Women With Hypertensive Disorders of Pregnancy: A Randomized Controlled Trial

Penfield, Christina A.; McNulty, Jennifer A.; Oakes, Megan C.; [More](#)

Obstetrics & Gynecology. 134(6):1219-1226, December 2019.

☐ Abstract ☐ In Brief ☐ Favorites ☐ PDF ☐ Get Content & Permissions



Maternal and Infant Health Care Costs Related to Preeclampsia

Hao, Jing; Hassen, Dina; Hao, Qiang; [More](#)

Obstetrics & Gynecology. 134(6):1227-1233, December 2019.

☐ Abstract ☐ In Brief ☐ Favorites ☐ PDF ☐ Get Content & Permissions



Medical Complications of Pregnancy: Original Research

Maternal and Perinatal Morbidity and Mortality Associated With Anemia in Pregnancy

Smith, Catherine; Teng, Flora; Branch, Emma; [More](#)

Obstetrics & Gynecology. 134(6):1234-1244, December 2019.

☐ Abstract ☐ In Brief ☐ Favorites ☐ PDF ☐ Get Content & Permissions



Operative Obstetrics: Original Research

Subsequent Pregnancy Outcomes After Failed Vacuum-Assisted Delivery

Levin, Gabriel; Elami-Suzin, Matan; Elchalal, Uriel; [More](#)

Obstetrics & Gynecology. 134(6):1245-1251, December 2019.

☐ Abstract ☐ In Brief ☐ Favorites ☐ PDF ☐ Get Content & Permissions

Gynecology: Review

Prognostic Factors for the Failure of Endometrial Ablation: A Systematic Review and Meta-analysis

Beelen, Pleun; Reinders, Imke M. A.; Scheepers, Wessel F. W.; [More](#)

Obstetrics & Gynecology. 134(6):1269-1281, December 2019.

[Abstract](#) [In Brief](#) [Favorites](#) [PDF](#) [Get Content & Permissions](#)

[SDC](#) [Podcast](#)

Ultrasonography: Case Report

Novel Use of Three-Dimensional Ultrasonography to Locate a Retained Needle in the Vaginal Wall

Wong, Halei; Dwarica, Denicia; Quiroz, Lieschen

Obstetrics & Gynecology. 134(6):1282-1284, December 2019.

[Abstract](#) [In Brief](#) [Favorites](#) [PDF](#) [Get Content & Permissions](#)

[Table of Contents Outline](#) | [Back to Top](#)

1 2

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[February 2020 - Volume 135 - Issue 2](#)

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Table of Contents December 01, 2019; Volume 144, Issue Supplement 1

[Synopsis Book: Best Articles Relevant to Pediatric Allergy, Asthma and Immunology](#)

Supplement Article

- Title Page

Pediatrics, Dec 2019, 144 (Supplement 1) 144S1

[PDF](#)
- Section on Allergy and Immunology

Pediatrics, Dec 2019, 144 (Supplement 1) S1

[PDF](#)
- About This Synopsis Book

Pediatrics, Dec 2019, 144 (Supplement 1) S2

[PDF](#)
- A Synopsis of the Synopses, 2018 to 2019

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In this issue

Pediatrics

Vol. 144, Issue Supplement 1
1 Dec 2019

Pediatrics, Dec 2019, 144 (Supplement 1) S1-S2

[PDF](#)

Allergy

Risk Factors, Prevention, and the Hygiene Hypothesis

Temporal and Long-term Gut Microbiota Variation in Allergic Disease: A Prospective Study from Infancy to School Age

James R. Banks, Timothy Andrews

Pediatrics, Dec 2019, 144 (Supplement 1) S5

[PDF](#)

Effects of *Lactobacillus rhamnosus* HN001 in Early Life on the Cumulative Prevalence of Allergic Disease to 11 Years

Elizabeth C. Matsui

Pediatrics, Dec 2019, 144 (Supplement 1) S5-S6

[PDF](#)

The Protective Effect of Cheese Consumption at 18 Months on Allergic Diseases in the First 6 Years

Camile Ortega, Vivian Hernandez-Trujillo

Pediatrics, Dec 2019, 144 (Supplement 1) S6-S7

[PDF](#)

Neonates Colonized With Pathogenic Bacteria in the Airways Have a Low-Grade Systemic Inflammation

Camile Ortega, Vivian Hernandez-Trujillo

Pediatrics, Dec 2019, 144 (Supplement 1) S7

[PDF](#)

Dog Ownership at Three Months of Age Is Associated With Protection Against Food Allergy

Jennifer Lue, Grace Padron

Pediatrics, Dec 2019, 144 (Supplement 1) S7-S8

[PDF](#)

Maternal Dietary Antioxidant Intake in Pregnancy and Childhood Respiratory and Atopic Outcomes: Birth Cohort Study

Kirsten M. Kloepper

Pediatrics, Dec 2019, 144 (Supplement 1) S8-S9

[PDF](#)

Antenatal Vitamin D Exposure and Childhood Eczema, Food Allergy, Asthma and Allergic Rhinitis at 2 and 5 Years of Age in the Atopic Disease-Specific Cork BASELINE Birth Cohort Study

Bitian Meng, Elinor Simons

Pediatrics, Dec 2019, 144 (Supplement 1) S9

Table of Contents

[Index by author](#)



[Sign up for eTOC content Alerts](#)

Jump to

- [Supplement Article](#)
- [Allergy](#)
 - [Risk Factors, Prevention, and the Hygiene Hypothesis](#)
 - [Environmental Exposures and Tobacco Smoke](#)
 - [Anaphylaxis](#)
 - [Drug Allergy](#)
 - [Allergic Rhinitis](#)
 - [Allergic Skin Diseases](#)
 - [Insect Sting Allergy](#)
- [Food Allergy](#)
 - [IgE–Mediated Food Allergy](#)
 - [Non–IgE-Mediated Food Allergy](#)
- [Asthma](#)
 - [Risk Factors](#)
 - [Diagnosis and Management](#)
 - [Medical Therapies](#)
- [Immunology](#)

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Direct Infant UV Light Exposure Is Associated With Eczema and Immune Development

Ammara G. Ahmed, Robert Wood

Pediatrics, Dec 2019, 144 (Supplement 1) S9-S10



[PDF](#)
- 

Association Between the Age of Solid Food Introduction and Eczema: A Systematic Review and a Meta-analysis

Mary V. Lasley

Pediatrics, Dec 2019, 144 (Supplement 1) S10



[PDF](#)
- 

Vaccination and Allergic Sensitization in Early Childhood – The ALADDIN Birth Cohort

Kelly Boyd, J. Andrew Bird

Pediatrics, Dec 2019, 144 (Supplement 1) S10-S11



[PDF](#)
- 

The Impact of a General Practitioner–Led Community Paediatric Allergy Clinic: A Service Evaluation

Neelam A. Phadke, Michael Pistiner

Pediatrics, Dec 2019, 144 (Supplement 1) S11



[PDF](#)

Environmental Exposures and Tobacco Smoke

- 

Air Pollution Exposure and Lung Function Until Age 16 Years: The PIAMA Birth Cohort Study

Kirsten M. Kloepper

Pediatrics, Dec 2019, 144 (Supplement 1) S11-S12



[PDF](#)
- 

Secondhand Smoke Exposure and Asthma Outcomes Among African-American and Latino Children With Asthma

Kirsten M. Kloepper

Pediatrics, Dec 2019, 144 (Supplement 1) S12



[PDF](#)
- 

Underestimation of House Dust Mite–Specific IgE With Extract-Based ImmunoCAPs Compared With Molecular ImmunoCAPs

Mitchell R. Lester

Pediatrics, Dec 2019, 144 (Supplement 1) S12-S13



[PDF](#)

Anaphylaxis

- 

Anaphylaxis Food-Induced in Infants and Children

Melinda M. Rathkopf
Pediatrics, Dec 2019, 144 (Supplement 1) S13
[PDF](#)

- ▣ **Increased Use of Adrenaline in the Management of Childhood Anaphylaxis Over the Last Decade**
Paul V. Williams
Pediatrics, Dec 2019, 144 (Supplement 1) S14
[PDF](#)

- ▣ **Risk Factors for Multiple Epinephrine Doses in Food-Triggered Anaphylaxis in Children**
Michelle C. Maciag, Theresa Bingemann
Pediatrics, Dec 2019, 144 (Supplement 1) S14
[PDF](#)

- ▣ **Analysis of Value-Based Costs of Undesignated School Stock Epinephrine Policies for Peanut Anaphylaxis**
Waheeda Samady, Ruchi Gupta
Pediatrics, Dec 2019, 144 (Supplement 1) S15
[PDF](#)

Drug Allergy

- ▣ **Antibiotic Allergy Labels in Children Are Associated With Adverse Clinical Outcomes**
Priya Katari, Marcus Shaker
Pediatrics, Dec 2019, 144 (Supplement 1) S15-S16
[PDF](#)
- ▣ **Hospitalizations in Children With a Penicillin Allergy Label: An Assessment of Healthcare Impact**
Stuart L. Abramson
Pediatrics, Dec 2019, 144 (Supplement 1) S16
[PDF](#)
- ▣ **Suspected Reaction With Cephalosporin May Be a Predictive Factor for β -Lactam Allergy in Children**
Luke A. Wall
Pediatrics, Dec 2019, 144 (Supplement 1) S16-S17
[PDF](#)
- ▣ **Prospective Assessment of Diagnostic Tests for Pediatric Penicillin Allergy: From Clinical History to Challenge Tests**
Melinda M. Rathkopf
Pediatrics, Dec 2019, 144 (Supplement 1) S17
[PDF](#)

- ▣ **Provocation Tests in Nonimmediate Hypersensitivity Reactions to β -Lactam**

Antibiotics in Children: Are Extended Challenges Needed?

Meredith M. Schuldt, Karla L. Davis

Pediatrics, Dec 2019, 144 (Supplement 1) S18

[PDF](#)

Efficacy and Safety of 5-Day Challenge for the Evaluation of Nonsevere Amoxicillin Allergy in Children

Paul V. Williams

Pediatrics, Dec 2019, 144 (Supplement 1) S18-S19

[PDF](#)

Allergic Rhinitis

Molecular Allergy Diagnostics Refine Characterization of Children Sensitized to Dog Dander

Mitchell R. Lester

Pediatrics, Dec 2019, 144 (Supplement 1) S19

[PDF](#)

Efficacy of House Dust Mite Sublingual Tablet in the Treatment of Allergic Rhinoconjunctivitis: A Randomized Trial in a Pediatric Population

Shazia Lutfiali, Christopher Parrish

Pediatrics, Dec 2019, 144 (Supplement 1) S20

[PDF](#)

Allergic Skin Diseases

The Nonlesional Skin Surface Distinguishes Atopic Dermatitis With Food Allergy as a Unique Endotype

Evelyn L. Angulo, James E. Gern

Pediatrics, Dec 2019, 144 (Supplement 1) S20-S21

[PDF](#)

Antibiotic Choice and Methicillin-Resistant *Staphylococcus aureus* Rate in Children Hospitalized for Atopic Dermatitis

Rory Nicolaides, Jeffrey Chambliss

Pediatrics, Dec 2019, 144 (Supplement 1) S21-S22

[PDF](#)

Association of Atopic Dermatitis With Sleep Quality in Children

Kristin Kan, Ruchi S. Gupta

Pediatrics, Dec 2019, 144 (Supplement 1) S22

[PDF](#)

Acquired Cold-Induced Urticaria in Pediatric Patients: A 22-Year Experience in a Tertiary Care Center (1996–2017)

Ahmad Dbouk, Marcus Shaker

Pediatrics, Dec 2019, 144 (Supplement 1) S22-S23

[□ PDF](#)

Insect Sting Allergy

□ **A Longitudinal Study of Hymenoptera Stings in Preschool Children**

Whitney Blackwell, Christopher Parrish

Pediatrics, Dec 2019, 144 (Supplement 1) S23

[□ PDF](#)

Food Allergy

IgE-Mediated Food Allergy

□ **Early-Life Gut Microbiome and Egg Allergy**

Stuart L. Abramson

Pediatrics, Dec 2019, 144 (Supplement 1) S23-S24

[□ PDF](#)

□ **Cesarean Delivery, Preterm Birth, and Risk of Food Allergy: Nationwide Swedish Cohort Study of More Than 1 Million Children**

Mitchell R. Lester

Pediatrics, Dec 2019, 144 (Supplement 1) S24

[□ PDF](#)

□ **Caregiver and Expecting Caregiver Support for Early Peanut Introduction Guidelines**

Melinda M. Rathkopf

Pediatrics, Dec 2019, 144 (Supplement 1) S25

[□ PDF](#)

□ **Early Introduction of Egg and the Development of Egg Allergy in Children: A Systematic Review and Meta-analysis**

Luke A. Wall

Pediatrics, Dec 2019, 144 (Supplement 1) S25-S26

[□ PDF](#)

□ **The Health and Economic Outcomes of Early Egg Introduction Strategies**

Keely Loewen, Elinor Simons

Pediatrics, Dec 2019, 144 (Supplement 1) S26

[□ PDF](#)

□ **Relevance of Low Specific IgE Levels to Egg, Milk and Peanut in Infancy**

Suzanne Kochis, Jennifer Dantzer

Pediatrics, Dec 2019, 144 (Supplement 1) S26-S27

[□ PDF](#)

□ **Patterns of Tree Nut Sensitization and Allergy in the First 6 Years of Life in a Population-Based Cohort**

Pooja Varshney

Pediatrics, Dec 2019, 144 (Supplement 1) S27

[PDF](#)

□ **The Public Health Impact of Parent-Reported Childhood Food Allergies in the United States**

Susan S. Laubach

Pediatrics, Dec 2019, 144 (Supplement 1) S28

[PDF](#)

□ **Egg Allergen Specific IgE Diversity Predicts Resolution of Egg Allergy in the Population Cohort HealthNuts**

James R. Banks, Timothy Andrews

Pediatrics, Dec 2019, 144 (Supplement 1) S28-S29

[PDF](#)

□ **Differences in Egg and Milk Food Challenge Outcomes Based on Tolerance to the Baked Form**

Jennifer Pier, Theresa Bingemann

Pediatrics, Dec 2019, 144 (Supplement 1) S29-S30

[PDF](#)

□ **Oral Food Challenge Failures Among Foods Restricted Because of Atopic Dermatitis**

Rory Nicolaides, Jeffrey Chambliss

Pediatrics, Dec 2019, 144 (Supplement 1) S30

[PDF](#)

□ **Long-term Follow-up After Baked Milk Introduction**

Paul V. Williams

Pediatrics, Dec 2019, 144 (Supplement 1) S30-S31

[PDF](#)

□ **AR101 Oral Immunotherapy for Peanut Allergy**

Bradley E. Chipps

Pediatrics, Dec 2019, 144 (Supplement 1) S31

[PDF](#)

□ **Real-World Experience With Peanut Oral Immunotherapy: Lessons Learned From 270 Patients**

Mechelle A. Miller, Karla L. Davis

Pediatrics, Dec 2019, 144 (Supplement 1) S31-S32

[PDF](#)

□ **Oral Immunotherapy for Peanut Allergy (PACE): A Systematic Review and Meta-analysis of Efficacy and Safety**

Mariam Guenther, J. Andrew Bird

Pediatrics, Dec 2019, 144 (Supplement 1) S32-S33

[PDF](#)

□ **Peanut Gastrointestinal Delivery Oral Immunotherapy in Adolescents: Results of the Build-up Phase of a Randomized, Double-Blind, Placebo-Controlled Trial (PITA Study)**

Mary V. Lasley
Pediatrics, Dec 2019, 144 (Supplement 1) S33-S34
□ [PDF](#)

□ **Effect of Epicutaneous Immunotherapy Versus Placebo on Reaction to Peanut Protein Ingestion Among Children With Peanut Allergy: The PEPITES Randomized Clinical Trial**

Christopher A. Podgorski, Harvey Leo
Pediatrics, Dec 2019, 144 (Supplement 1) S34
□ [PDF](#)

Non-IgE-Mediated Food Allergy

□ **Food Protein-Induced Enterocolitis Syndrome Food Challenges: Experience From a Large Referral Center**

Meredith M. Schudt, Karla L. Davis
Pediatrics, Dec 2019, 144 (Supplement 1) S35
□ [PDF](#)

□ **Food Protein-Induced Enterocolitis Syndrome: Data From a Multicenter Retrospective Study in Spain**

Carla Perez, Carla M. Davis
Pediatrics, Dec 2019, 144 (Supplement 1) S35-S36
□ [PDF](#)

□ **Phenotypic Characterization of Eosinophilic Esophagitis in a Large Multicenter Patient Population From the Consortium for Food Allergy Research**

Paul V. Williams
Pediatrics, Dec 2019, 144 (Supplement 1) S36
□ [PDF](#)

□ **Specific IgG4 Antibodies to Cow's Milk Proteins in Pediatric Patients With Eosinophilic Esophagitis**

John M. Kelso
Pediatrics, Dec 2019, 144 (Supplement 1) S36-S37
□ [PDF](#)

□ **Long-term Treatment With Proton Pump Inhibitor Is Effective in Children With Eosinophilic Esophagitis**

Carla Perez, Carla M. Davis
Pediatrics, Dec 2019, 144 (Supplement 1) S37
□ [PDF](#)

□ **Safety and Efficacy of Reslizumab for Children and Adolescents With Eosinophilic Esophagitis Treated for 9 Years**

Carla Perez, Carla M. Davis

Pediatrics, Dec 2019, 144 (Supplement 1) S38

□ [PDF](#)

Asthma

Risk Factors

□ **Birth Weight for Gestational Age and the Risk of Asthma in Childhood and Adolescence: A Retrospective Cohort Study**

Evelyn Wang, Angela Duff Hogan

Pediatrics, Dec 2019, 144 (Supplement 1) S38-S39

□ [PDF](#)

□ **Gestational Age at Birth and Wheezing Trajectories at 3–11 Years**

Clinton Dunn, Angela Duff Hogan

Pediatrics, Dec 2019, 144 (Supplement 1) S39-S40

□ [PDF](#)

□ **Impact of Parental Asthma, Prenatal Maternal Asthma Control, and Vitamin D Status on Risk of Asthma and Recurrent Wheeze in 3-Year-Old Children**

Suzanne Kochis, Jennifer Dantzer

Pediatrics, Dec 2019, 144 (Supplement 1) S40-S41

□ [PDF](#)

□ **High-Dose Vitamin D Supplementation During Pregnancy and Asthma in Offspring at the Age of 6 Years**

Katherine Wageman, Harvey Leo

Pediatrics, Dec 2019, 144 (Supplement 1) S41

□ [PDF](#)

□ **Environmental Tobacco Smoke Affects Lung Function of Preschoolers With Asthma Even After a Decade**

Joyce E. Yu

Pediatrics, Dec 2019, 144 (Supplement 1) S41-S42

□ [PDF](#)

□ **Exposure to Indoor Endocrine-Disrupting Chemicals and Childhood Asthma and Obesity**

Camile Ortega, Vivian Hernandez-Trujillo

Pediatrics, Dec 2019, 144 (Supplement 1) S42

□ [PDF](#)

□ **Being Overweight or Obese and the Development of Asthma**

Christopher Randolph
Pediatrics, Dec 2019, 144 (Supplement 1) S42-S43
[□ PDF](#)

□ **Food Allergy Is an Important Risk Factor for Childhood Asthma, Irrespective of Whether It Resolves**

Julie D. Flom, Scott H. Sicherer
Pediatrics, Dec 2019, 144 (Supplement 1) S43
[□ PDF](#)

□ **Association of Food Allergy and Decreased Lung Function in Children and Young Adults With Asthma**

Denise Sanchez Tejera, Theresa Bingemann
Pediatrics, Dec 2019, 144 (Supplement 1) S44
[□ PDF](#)

□ **Impact of Community Respiratory Viral Infections in Urban Children With Asthma**

Timothy Chow, Jeffrey Chambliss
Pediatrics, Dec 2019, 144 (Supplement 1) S44-S45
[□ PDF](#)

□ **Infant Viral Respiratory Infection Nasal Immune-Response Patterns and Their Association With Subsequent Childhood Recurrent Wheeze**

Jennilee Eppley, Todd Mahr
Pediatrics, Dec 2019, 144 (Supplement 1) S45
[□ PDF](#)

□ **Phenotypes of Recurrent Wheezing in Preschool Children: Identification by Latent Class Analysis and Utility in Prediction of Future Exacerbation**

Aaron Briggs, Marcus Shaker
Pediatrics, Dec 2019, 144 (Supplement 1) S45-S46
[□ PDF](#)

□ **Non-Atopic Rhinitis at Age 6 Is Associated With Subsequent Development of Asthma**

Girish Vitalpur
Pediatrics, Dec 2019, 144 (Supplement 1) S46
[□ PDF](#)

□ **Remission of Persistent Childhood Asthma: Early Predictors of Asthma Outcomes**

Ammara G. Ahmed, Robert Wood
Pediatrics, Dec 2019, 144 (Supplement 1) S46-S47
[□ PDF](#)

□ **Very Poorly Controlled Asthma in Urban Minority Children: Lessons Learned**

Julie D. Flom, Scott H. Sicherer
Pediatrics, Dec 2019, 144 (Supplement 1) S47-S48

[PDF](#)

Airway and Esophageal Eosinophils in Children With Severe Uncontrolled Asthma

Lauren G. Rothstein, Joyce E. Yu

Pediatrics, Dec 2019, 144 (Supplement 1) S48

[PDF](#)

Diagnosis and Management

Evaluation of Clinically and Physiologically Atypical Asthma: If It Doesn't Wheeze It May Still Be Asthma

Elinor Simons

Pediatrics, Dec 2019, 144 (Supplement 1) S48-S49

[PDF](#)

Successful Chest Radiograph Reduction by Using Quality Improvement Methodology for Children With Asthma

Basil M. Kahwash, David R. Stukus

Pediatrics, Dec 2019, 144 (Supplement 1) S49-S50

[PDF](#)

A Computerized Decision Support Tool To Implement Asthma Guidelines for Children and Adolescents

Ammara G. Ahmed, Robert Wood

Pediatrics, Dec 2019, 144 (Supplement 1) S50

[PDF](#)

Acceptance and Commitment Therapy for Parental Management of Childhood Asthma: An RCT

Amanda Agyemang, Julie Wang

Pediatrics, Dec 2019, 144 (Supplement 1) S50-S51

[PDF](#)

Effectiveness of Pediatric Asthma Pathways for Hospitalized Children: A Multicenter, National Analysis

Mariam Guenther, J. Andrew Bird

Pediatrics, Dec 2019, 144 (Supplement 1) S51-S52

[PDF](#)

Home Medication Readiness for Preschool Children With Asthma

Ruchi Singla, David R. Stukus

Pediatrics, Dec 2019, 144 (Supplement 1) S52

[PDF](#)

Children With Poorly Controlled Asthma: Randomized Controlled Trial of a Home-Based Environmental Control Intervention

Lauren G. Rothstein, Joyce E. Yu

Pediatrics, Dec 2019, 144 (Supplement 1) S53

[PDF](#)

□ **Building Bridges for Asthma Care: Reducing School Absence for Inner-City Children With Health Disparities**

Michael Dickson, Pooja Varshney

Pediatrics, Dec 2019, 144 (Supplement 1) S53-S54

[PDF](#)

□ **School–Supervised Use of a Once-Daily Inhaled Corticosteroid Regimen: A Cluster Randomized Trial**

Christopher Ng, Pooja Varshney

Pediatrics, Dec 2019, 144 (Supplement 1) S54-S55

[PDF](#)

□ **The Impact of Adenotonsillectomy on Pediatric Asthma**

Lauren G. Rothstein, Joyce E. Yu

Pediatrics, Dec 2019, 144 (Supplement 1) S55

[PDF](#)

Medical Therapies

□ **Errors in the Use of Inhalers by Health Care Professionals: A Systematic Review**

Julie D. Flom, Scott H. Sicherer

Pediatrics, Dec 2019, 144 (Supplement 1) S55-S56

[PDF](#)

□ **The Efficacy and Safety of Fluticasone/Salmeterol Compared to Fluticasone in Children Younger Than Four Years of Age**

Shazia Lutfeali, Christopher Parrish

Pediatrics, Dec 2019, 144 (Supplement 1) S56-S57

[PDF](#)

□ **Combined Analysis of Asthma Safety Trials of Long-Acting β_2 -Agonists**

Todd Mahr, Jennilee Eppley

Pediatrics, Dec 2019, 144 (Supplement 1) S57-S58

[PDF](#)

□ **Lung–Restricted Inhibition of Janus Kinase 1 Is Effective in Rodent Models of Asthma**

Cheryl A. Steiman, James E. Gern

Pediatrics, Dec 2019, 144 (Supplement 1) S58

[PDF](#)

Immunology

□ **Newborn Screening for Severe Combined Immunodeficiency and T–Cell Lymphopenia in**

California, 2010–2017

Amanda Agyemang, Julie Wang

Pediatrics, Dec 2019, 144 (Supplement 1) S58-S59

[PDF](#)

T–Cell Receptor Excision Circles in HIV–Exposed, Uninfected Newborns Measured During a National Newborn Screening Program for Severe Combined Immunodeficiency

Jennifer M. Miller, Lisa Forbes

Pediatrics, Dec 2019, 144 (Supplement 1) S59-S60

[PDF](#)

Detecting 22q11.2 Deletion Syndrome in Newborns With Low T Cell Receptor Excision Circles From Severe Combined Immunodeficiency Screening

Jennifer M. Miller, Lisa Forbes

Pediatrics, Dec 2019, 144 (Supplement 1) S60

[PDF](#)

Inherited p40^{phox} Deficiency Differs From Classic Chronic Granulomatous Disease

Luke A. Wall

Pediatrics, Dec 2019, 144 (Supplement 1) S60-S61

[PDF](#)

Persistence of Pneumococcal Antibodies After Primary Immunisation With a Polysaccharide–Protein Conjugate Vaccine

Clinton Dunn, Angela Duff Hogan

Pediatrics, Dec 2019, 144 (Supplement 1) S61-S62

[PDF](#)

Hematopoietic Stem Cell Transplantation for Progressive Combined Immunodeficiency and Lymphoproliferation in Patients With Activated Phosphatidylinositol–3–OH Kinase δ Syndrome Type 1

Laurie Graves, Kelli W. Williams

Pediatrics, Dec 2019, 144 (Supplement 1) S62

[PDF](#)

Jakinibs for the Treatment of Immune Dysregulation in Patients With Gain–of–Function Signal Transducer and Activator of Transcription 1 (STAT1) or STAT3 Mutations

Kelli W. Williams

Pediatrics, Dec 2019, 144 (Supplement 1) S62-S63

[PDF](#)

Reprogramming Human T Cell Function and Specificity With Non–Viral Genome Targeting

Deepti Deshpande, Jordan Orange

Pediatrics, Dec 2019, 144 (Supplement 1) S63-S64

[PDF](#)



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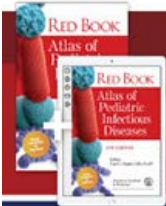
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Table of Contents December 01, 2019; Volume 144, Issue 6

Articles

- Measles Antibody Levels in Young Infants**
Michelle Science, Rachel Savage, Alberto Severini, Elizabeth McLachlan, Stephanie L. Hughes, Callum Arnold, Susan Richardson, Natasha Crowcroft, Shelley Deeks, Scott Halperin, Kevin Brown, Todd Hatchette, Jonathan Gubbay, Tony Mazzulli, Shelly Bolotin
Pediatrics, Dec 2019, 144 (6) e20190630
[PDF](#)
- Safety of the 9-Valent Human Papillomavirus Vaccine**
Tom T. Shimabukuro, John R. Su, Paige L. Marquez, Adamma Mba-Jonas, Jorge E. Arana, Maria V. Cano
Pediatrics, Dec 2019, 144 (6) e20191791
[PDF](#)
- Near Real-Time Surveillance to Assess the Safety of the 9-Valent Human Papillomavirus**



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In this issue

Pediatrics
Vol. 144, Issue 6
1 Dec 2019

Vaccine

James G. Donahue, Burney A. Kieke, Edwin M. Lewis, Eric S. Weintraub, Kayla E. Hanson, David L. McClure, Elizabeth R. Vickers, Julianne Gee, Matthew F. Daley, Frank DeStefano, Rulin C. Hechter, Lisa A. Jackson, Nicola P. Klein, Allison L. Naleway, Jennifer C. Nelson, Edward A. Belongia
Pediatrics, Dec 2019, 144 (6) e20191808

[PDF](#)

Religious Vaccine Exemptions in Kindergartners: 2011–2018

Joshua T.B. Williams, John Rice, Matt Cox-Martin, Elizabeth A. Bayliss, Sean T. O’Leary
Pediatrics, Dec 2019, 144 (6) e20192710

[PDF](#)

Growth and Distribution of Child Psychiatrists in the United States: 2007–2016

Ryan K. McBain, Aaron Kofner, Bradley D. Stein, Jonathan H. Cantor, William B. Vogt, Hao Yu
Pediatrics, Dec 2019, 144 (6) e20191576

[PDF](#)

Establishing New Norms for Developmental Milestones

R. Christopher Sheldrick, Lauren E. Schlichting, Blythe Berger, Ailis Clyne, Pensheng Ni, Ellen C. Perrin, Patrick M. Vivier
Pediatrics, Dec 2019, 144 (6) e20190374

[PDF](#)

Prenatal and Infancy Nurse Home Visiting and 18-Year Outcomes of a Randomized Trial

Harriet Kitzman, David L. Olds, Michael D. Knudtson, Robert Cole, Elizabeth Anson, Joyce A. Smith, Diana Fishbein, Ralph DiClemente, Gina Wingood, Angela M. Caliendo, Christian Hopfer, Ted Miller, Gabriella Conti
Pediatrics, Dec 2019, 144 (6) e20183876

[PDF](#)

Prenatal and Infancy Nurse Home Visiting Effects on Mothers: 18-Year Follow-up of a Randomized Trial

David L. Olds, Harriet Kitzman, Elizabeth Anson, Joyce A. Smith, Michael D. Knudtson, Ted Miller, Robert Cole, Christian Hopfer, Gabriella Conti
Pediatrics, Dec 2019, 144 (6) e20183889

[PDF](#)

Unscheduled Referrals and Unattended Appointments After Pediatric Subspecialty Referral

James C. Bohnhoff, Jill M. Taormina, Lorraine Ferrante, David Wolfson, Kristin N. Ray
Pediatrics, Dec 2019, 144 (6) e20190545

[PDF](#)

Tobacco and Marijuana Use Among US College and Noncollege Young Adults, 2002–2016

Satomi Odani, Biesse D. Soura, Michael A. Tynan, Rene Lavinghouze, Brian A. King, Israel Agaku
Pediatrics, Dec 2019, 144 (6) e20191372

[PDF](#)

Early-Life Predictors of Fetal Alcohol Spectrum

[Table of Contents](#)
[Index by author](#)

[Sign up for eTOC content Alerts](#)

Jump to

- [Articles](#)
- [Commentaries](#)
- [From the American Academy of Pediatrics](#)
- [Pediatrics Perspectives](#)
- [Family Partnerships](#)
- [Monthly Feature](#)
- [Review Article](#)
- [State-of-the-Art Review Article](#)
- [Special Articles](#)
- [Ethics Rounds](#)
- [Quality Reports](#)
- [Case Reports](#)

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Most Read

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Wendy O. Kalberg, Philip A. May, David Buckley, Julie M. Hasken, Anna-Susan Marais, Marlene M. De Vries, Heidre Bezuidenhout, Melanie A. Manning, Luther K. Robinson, Margaret P. Adam, Derek B. Hoyme, Charles D.H. Parry, Soraya Seedat, Amy J. Elliott, H. Eugene Hoyme
Pediatrics, Dec 2019, 144 (6) e20182141

PDF

CYP2C19 Phenotype and Risk of Proton Pump Inhibitor–Associated Infections

Christiana J. Bernal, Ida Aka, Robert J. Carroll, Joseph R. Coco, John J. Lima, Sari A. Acra, Dan M. Roden, Sara L. Van Driest
Pediatrics, Dec 2019, 144 (6) e20190857

PDF

Neighborhood Poverty and Pediatric Intensive Care Use

Erica Andrist, Carley L. Riley, Cole Brokamp, Stuart Taylor, Andrew F. Beck
Pediatrics, Dec 2019, 144 (6) e20190748

PDF

Oral Ondansetron Administration to Dehydrated Children in Pakistan: A Randomized Clinical Trial

Stephen B. Freedman, Sajid B. Soofi, Andrew R. Willan, Sarah Williamson-Urquhart, Emaduddin Siddiqui, Jianling Xie, Fady Dawoud, Zulfiqar A. Bhutta
Pediatrics, Dec 2019, 144 (6) e20192161

PDF

Timing of Complementary Feeding Introduction and Adiposity Throughout Childhood

Véronique Gingras, Izzuddin M. Aris, Sheryl L. Rifas-Shiman, Karen M. Switkowski, Emily Oken, Marie-France Hivert
Pediatrics, Dec 2019, 144 (6) e20191320

PDF

Kingella kingae and Osteoarticular Infections

Eleftheria Samara, Vasiliki Spyropoulou, Anne Tabard-Fougère, Laura Merlini, Raimonda Valaikaite, Amira Dhouib, Sergio Manzano, Céline Juchler, Romain Dayer, Dimitri Ceroni
Pediatrics, Dec 2019, 144 (6) e20191509

PDF

Weight Loss and Illness Severity in Adolescents With Atypical Anorexia Nervosa

Andrea K. Garber, Jing Cheng, Erin C. Accurso, Sally H. Adams, Sara M. Buckelew, Cynthia J. Kapphahn, Anna Kreiter, Daniel Le Grange, Vanessa I. Machen, Anna-Barbara Moscicki, Kristina Saffran, Allyson F. Sy, Leslie Wilson, Neville H. Golden
Pediatrics, Dec 2019, 144 (6) e20192339

PDF

Musculoskeletal Pain, Physical Function, and Quality of Life After Bariatric Surgery

Sharon Bout-Tabaku, Resmi Gupta, Todd M. Jenkins, Justin R. Ryder, Amy E. Baughcum, Rebecca D. Jackson, Thomas H. Inge, John B. Dixon, Michael A. Helmrath, Anita P. Courcoulas, James E. Mitchell, Carroll M. Harmon, Changchun Xie, Marc P. Michalsky, TEEN-LABS CONSORTIUM
Pediatrics, Dec 2019, 144 (6) e20191399

PDF

Systemic Artery Aneurysms and Kawasaki

Disease

Qu-ming Zhao, Chen Chu, Lin Wu, Xue-cun Liang, Shu-na Sun, Lan He, Lu Zhao, Feng Wang, Guo-ying Huang, Conway Niu, Fang Liu

Pediatrics, Dec 2019, 144 (6) e20192254

[PDF](#)

Nonpowder Firearm Injuries to Children Treated in Emergency Departments

Margaret Jones, Sandhya Kistangari, Gary A. Smith

Pediatrics, Dec 2019, 144 (6) e20192739

[PDF](#)

Trends in Bronchiolitis Hospitalizations in the United States: 2000–2016

Michimasa Fujiogi, Tadahiro Goto, Hideo Yasunaga, Jun Fujishiro, Jonathan M. Mansbach, Carlos A. Camargo Jr, Kohei Hasegawa

Pediatrics, Dec 2019, 144 (6) e20192614

[PDF](#)

Pediatrician Perspectives on Feasibility and Acceptability of the MOCA-Peds 2017 Pilot

Laurel K. Leslie, Adam L. Turner, Amanda C. Smith, Victoria Dounoucos, Murrey G. Olmsted, Linda Althouse

Pediatrics, Dec 2019, 144 (6) e20192303

[PDF](#)

Pediatrician Perspectives on Learning and Practice Change in the MOCA-Peds 2017 Pilot

Adam L. Turner, Murrey Olmsted, Amanda C. Smith, Victoria Dounoucos, Andrew Bradford, Linda Althouse, Laurel K. Leslie

Pediatrics, Dec 2019, 144 (6) e20192305

[PDF](#)

Commentaries

Protecting Young Infants From Measles

Huong Q. McLean, Walter A. Orenstein

Pediatrics, Dec 2019, 144 (6) e20192541

[PDF](#)

From Peyton Rous to the HPV Vaccine: A Journey of Discovery and Progress

H. Cody Meissner

Pediatrics, Dec 2019, 144 (6) e20192345

[PDF](#)

Meeting the Demand for Pediatric Mental Health Care

David Axelson

Pediatrics, Dec 2019, 144 (6) e20192646

[PDF](#)

How Can We Support Children and Families With Information Gleaned From Developmental Screening?

Carol Weitzman
Pediatrics, Dec 2019, 144 (6) e20192936
[PDF](#)

- [Redefining the Science and Policy of Early Childhood Intervention Programs](#)
Kenneth A. Dodge
Pediatrics, Dec 2019, 144 (6) e20192606
[PDF](#)

- [There and Back Again: The Referral Journey](#)
Suzanne Berman
Pediatrics, Dec 2019, 144 (6) e20192975
[PDF](#)

- [The Intersection of Tobacco and Marijuana Use in Adolescents and Young Adults](#)
Susan C. Walley, Brian Jenssen, Karen Wilson
Pediatrics, Dec 2019, 144 (6) e20193025
[PDF](#)

- [Early Detection of Fetal Alcohol Spectrum Disorders: An Elusive but Critical Goal](#)
R. Colin Carter, Joseph L. Jacobson, Sandra W. Jacobson
Pediatrics, Dec 2019, 144 (6) e20193080
[PDF](#)

- [Consider If You Will: Proton Pump Inhibitors in Children, Infections, and Precision Medicine](#)
Brian A. Hummel, Michael Rieder
Pediatrics, Dec 2019, 144 (6) e20192544
[PDF](#)

- [Considering Equity in Assessing Familial Benefit From the Return of Genomic Research Results](#)
Aaron J. Goldenberg
Pediatrics, Dec 2019, 144 (6) e20193111
[PDF](#)

From the American Academy of Pediatrics

- [Unique Needs of the Adolescent](#)
Elizabeth M. Alderman, Cora C. Breuner, COMMITTEE ON ADOLESCENCE
Pediatrics, Dec 2019, 144 (6) e20193150
[PDF](#)
- [Emergency Contraception](#)
Krishna K. Upadhy, COMMITTEE ON ADOLESCENCE
Pediatrics, Dec 2019, 144 (6) e20193149
[PDF](#)

- [Pediatric Metabolic and Bariatric Surgery:](#)

Evidence, Barriers, and Best Practices

Sarah C. Armstrong, Christopher F. Bolling, Marc P. Michalsky, Kirk W. Reichard, SECTION ON OBESITY, SECTION ON SURGERY

Pediatrics, Dec 2019, 144 (6) e20193223

[PDF](#)

Dealing With the Caretaker Whose Judgment Is Impaired by Alcohol or Drugs: Legal and Ethical Considerations

Steven A. Bondi, James Scibilia, COMMITTEE ON MEDICAL LIABILITY AND RISK MANAGEMENT

Pediatrics, Dec 2019, 144 (6) e20193153

[PDF](#)

Metabolic and Bariatric Surgery for Pediatric Patients With Severe Obesity

Christopher F. Bolling, Sarah C. Armstrong, Kirk W. Reichard, Marc P. Michalsky, SECTION ON OBESITY, SECTION ON SURGERY

Pediatrics, Dec 2019, 144 (6) e20193224

[PDF](#)

Aluminum Effects in Infants and Children

Mark R. Corkins, COMMITTEE ON NUTRITION

Pediatrics, Dec 2019, 144 (6) e20193148

[PDF](#)

Neonatal Provider Workforce

Erin L. Keels, Jay P. Goldsmith, COMMITTEE ON FETUS AND NEWBORN

Pediatrics, Dec 2019, 144 (6) e20193147

[PDF](#)

Perinatal Palliative Care

Pediatrics, Dec 2019, 144 (6) e20193146

[PDF](#)

Pediatrics Perspectives

Ensuring the Life-Span Benefits of Newborn Screening

Alex R. Kemper, Coleen A. Boyle, Jeffrey P. Brosco, Scott D. Grosse

Pediatrics, Dec 2019, 144 (6) e20190904

[PDF](#)

A Model of Interpersonal Trust, Credibility, and Relationship Maintenance

Bryan Sisk, Justin N. Baker

Pediatrics, Dec 2019, 144 (6) e20191319

[PDF](#)

Lessons From My Father

Evan Michael Shannon

Pediatrics, Dec 2019, 144 (6) e20191231

[PDF](#)

Family Partnerships

▣ **Practical Steps to Help Transition Pediatric Patients to Adult Care**

Laura C. Hart, Marie Crawford, Peter Crawford, Garey Noritz
Pediatrics, Dec 2019, 144 (6) e20190373

▣ [PDF](#)

Monthly Feature

▣ **Increasing Impact: Evaluation in Global Child Health Education, Clinical Practice, and Research**

Sophia P. Gladding, Parminder S. Suchdev, Sarah Kiguli, Elizabeth D. Lowenthal, ON BEHALF OF THE GLOBAL HEALTH TASK FORCE OF THE AMERICAN BOARD OF PEDIATRICS
Pediatrics, Dec 2019, 144 (6) e20183716

▣ [PDF](#)

Review Article

▣ **Interventions for Occluded Central Venous Catheters: A Meta-analysis**

Ana Cristina Carvalho da Costa, Nayara Narley Pires Vieira, Christiane Inocência Vasques, Elaine Barros Ferreira, Eliete Neves Silva Guerra, Paula Elaine Diniz dos Reis
Pediatrics, Dec 2019, 144 (6) e20183789

▣ [PDF](#)

State-of-the-Art Review Article

▣ **Children With Minor Blunt Head Trauma Presenting to the Emergency Department**

Lise E. Nigrovic, Nathan Kuppermann
Pediatrics, Dec 2019, 144 (6) e20191495

▣ [PDF](#)

Special Articles

▣ **The Rights of Children for Optimal Development and Nurturing Care**

Julie Uchitel, Errol Alden, Zulfiqar A. Bhutta, Jeffrey Goldhagen, Aditee Pradhan Narayan, Shanti Raman, Nick Spencer, Donald Wertlieb, Jane Wettach, Sue Woolfenden, Mohamad A. Mikati
Pediatrics, Dec 2019, 144 (6) e20190487

▣ [PDF](#)

▣ **A National Approach to Pediatric Sepsis Surveillance**

Heather E. Hsu, Francisca Abanyie, Michael S.D. Agus, Fran Balamuth, Patrick W. Brady, Richard J. Brill, Joseph A. Carcillo, Raymund Dantes, Lauren Epstein, Anthony E. Fiore, Jeffrey S. Gerber, Runa H. Gokhale, Benny L. Joyner Jr, Niranjana Kissoon, Michael Klompas, Grace M. Lee, Charles G. Macias, Karen M. Puopolo, Carmen D. Sulton, Scott L. Weiss, Chanu Rhee
Pediatrics, Dec 2019, 144 (6) e20191790

▣ [PDF](#)

▣ **Ethical Issues in Newborn Sequencing**

Research: The Case Study of BabySeq

Lainie Friedman Ross, Ellen Wright Clayton
Pediatrics, Dec 2019, 144 (6) e20191031

[PDF](#)

Ethics Rounds

[When Specialty Care Is Unavailable to Rural Families](#)

Jennifer E. deSante-Bertkau, Catherine D. Shubkin, William A. Nelson, Erica K. Salter, John D. Lantos
Pediatrics, Dec 2019, 144 (6) e20191130

[PDF](#)

Quality Reports

[A Collaborative Multicenter QI Initiative to Improve Antibiotic Stewardship in Newborns](#)

Dmitry Dukhovny, Madge E. Buus-Frank, Erika M. Edwards, Timmy Ho, Kate A. Morrow, Arjun Srinivasan, Daniel A. Pollock, John A.F. Zupancic, DeWayne M. Pursley, Donald Goldmann, Karen M. Puopolo, Roger F. Soll, Jeffrey D. Horbar

Pediatrics, Dec 2019, 144 (6) e20190589

[PDF](#)

[Multidisciplinary Engagement Increases Medications in-Hand for Patients Hospitalized With Asthma](#)

Kavita Parikh, Karen Perry, Candice Pantor, Catherine Gardner

Pediatrics, Dec 2019, 144 (6) e20190674

[PDF](#)

Case Reports

[Two Neonates With Postnatally Acquired Tickborne Infections](#)

Andrew S. Handel, Harriet Hellman, Saul R. Hymes

Pediatrics, Dec 2019, 144 (6) e20191937

[PDF](#)

[Vaccine Oka Varicella Meningitis in Two Adolescents](#)

Whitney E. Harrington, Sayonara Mató, Lauri Burroughs, Paul A. Carpenter, Anne Gershon, D. Scott Schmid, Janet A. Englund

Pediatrics, Dec 2019, 144 (6) e20191522

[PDF](#)

[Chronic, Gross Hematuria Caused by Idiopathic Ureteric Stricture](#)

Robert L. Myette, Amy Acker

Pediatrics, Dec 2019, 144 (6) e20192549

[PDF](#)

[Back to top](#)

[Previous](#)

Next [PDF](#)