

## In This Issue: May 12, 2020

### Research

#### ORIGINAL INVESTIGATION

**1792 Effect of Surgery vs Functional Bracing on Functional Outcome Among Patients With Closed Displaced Humeral Shaft Fractures: The FISH Randomized Clinical Trial**  
L Rämö and Coauthors  
for the FISH Investigators

This randomized trial compares the effects of open reduction and internal fixation vs functional bracing for treating patients with closed displaced humeral shaft fractures.

[Visual Abstract](#)

**1802 Effect of Biomechanical Footwear on Knee Pain in People With Knee Osteoarthritis: The BIOTOK Randomized Clinical Trial**  
S Reichenbach and Coauthors

This randomized trial compares the effect of shoes with adjustable external convex pods attached to the outsole vs usual footwear on knee pain over 24 weeks in patients with symptomatic, radiologically confirmed knee osteoarthritis.

[CME](#)

**1813 Association Between Initiation of Pulmonary Rehabilitation After Hospitalization for COPD and 1-Year Survival Among Medicare Beneficiaries**  
PK Lindenauer and Coauthors

This inception cohort study uses Medicare fee-for-service claims data to assess the association between initiation of pulmonary rehabilitation within 90 days of hospital discharge and 1-year survival among US patients hospitalized for chronic obstructive pulmonary disease in 2014.

Editorial [1783](#)

[CME](#)

### Opinion

#### VIEWPOINT

**1767 The COVID-19 Pandemic in the US: A Clinical Update**  
SB Omer, P Malani, and C del Rio

[Audio](#) | [Video](#)

**1769 COVID-19 and Angiotensin-Converting Enzyme Inhibitors and Angiotensin Receptor Blockers: What Is the Evidence?**  
AB Patel and A Verma

[Audio](#) | [Video](#)

**1771 The Importance of Addressing Advance Care Planning and Decisions About Do-Not-Resuscitate Orders During Novel Coronavirus 2019 (COVID-19)**  
JR Curtis, EK Kross, and RD Stapleton

**1773 A Framework for Rationing Ventilators and Critical Care Beds During the COVID-19 Pandemic**  
DB White and B Lo

[Audio](#) | [Video](#)

**1775 Case-Fatality Rate and Characteristics of Patients Dying in Relation to COVID-19 in Italy**  
G Onder, G Rezza, and S Brusaferro

[Video](#)

**1777 Older Clinicians and the Surge in Novel Coronavirus Disease 2019 (COVID-19)**  
PI Buerhaus, DI Auerbach, and DO Staiger

**1779 Delayed Antibiotic Prescriptions in Ambulatory Care: Reconsidering a Problematic Practice**  
TA Rowe and JA Linder

[Audio](#)

#### A PIECE OF MY MIND

**1781 Cultivating Hope**  
MK Singh

In this narrative medicine essay, a pediatric psychiatrist relates how her younger sister with Down syndrome and congenital heart disease has lived well beyond expectation inspired her to help children cultivate hope through love and resilience.

#### EDITORIAL

**1783 Pulmonary Rehabilitation and Improved Survival for Patients With COPD**  
CL Rochester and AE Holland

Related Article [1813](#)

**1786 Toward Universal Deployable Guidelines for the Care of Patients With COVID-19**  
F Lamontagne and DC Angus

Related Article [1839](#)

**1788 Can SARS-CoV-2 Infection Be Acquired In Utero? More Definitive Evidence Is Needed**  
DW Kimberlin and S Stagno

Related Articles [1848](#) and [1846](#)

**1790 A Bold Response to the COVID-19 Pandemic: Medical Students, National Service, and Public Health**  
H Bauchner and J Sharfstein

### [Online at JAMA.com](#)

#### MULTIMEDIA

[Editor's Audio Summary](#): Listen as editors discuss this week's issue

[Audio](#): Coronavirus (COVID-19) Update: Early Safety Signals Around Ibuprofen and Renin-Angiotensin Inhibitors

[Audio](#): Coronavirus in New York - Report From the Front Lines

[Audio](#): Coronavirus (COVID-19) Update: Fairly Rationing ICU Care

[Audio](#): Coronavirus (COVID-19) Update: Clinical Review

[Author Audio Interview](#): Delayed Antibiotic Prescriptions in Ambulatory Care

[Summary Video](#): Coronavirus in Italy—Report From the Front Lines

[Videos](#): Coronavirus in New York - Report From the Front Lines

[Videos](#): Coronavirus (COVID-19) Update: Fairly Rationing ICU Care

[Videos](#): COVID-19 Clinical Update

#### INSTRUCTIONS FOR AUTHORS

[jamanetwork.com/pages/for-authors](#)

#### DEPARTMENTS

Staff Listing [1749](#)

CME Questions [1842](#)

Recruitment Advertising [1859](#)

Contact Information [1861](#)



Editor in Chief  
Howard Bauchner, MD

**136 YEARS**  
OF CONTINUOUS  
PUBLICATION

[Available online](#)

jama.com

*continued >*



## In This Issue: May 12, 2020

### Clinical Review & Education

#### REVIEW

##### 1824 Pharmacologic Treatments for Coronavirus Disease 2019 (COVID-19): A Review

JM Sanders and Coauthors

This narrative review summarizes what is known about how SARS-CoV-2 infects cells and causes disease as a basis for considering whether chloroquine, remdesivir and other antivirals, or other existing drugs might be effective treatment for COVID-19.

 CME

#### JAMA INSIGHTS

##### 1837 Turbulent Gas Clouds and Respiratory Pathogen Emissions: Potential Implications for Reducing Transmission of COVID-19

L Bourouiba

This JAMA Insights Clinical Update discusses the need to better understand the dynamics of respiratory disease transmission by better characterizing transmission routes, the role of patient physiology in shaping them, and best approaches for source control in the context of the COVID-19 outbreak.

 Video

#### JAMA CLINICAL GUIDELINES SYNOPSIS

##### 1839 Management of Critically Ill Adults With COVID-19

JT Poston, BK Patel, and AM Davis

This JAMA Clinical Guidelines Synopsis summarizes the 2020 Surviving Sepsis Campaign guidelines on the treatment of critically ill adults with COVID-19.

Editorial 1786

Related Article 1824

#### JAMA PATIENT PAGE

##### 1862 Hepatitis E

AN Desai

### News & Analysis

#### MEDICAL NEWS & PERSPECTIVES

##### 1760 The Challenge of Preventing COVID-19 Spread in Correctional Facilities

R Rubin

This Medical News feature examines steps that correctional facilities are taking to minimize the spread of COVID-19.

#### THE JAMA FORUM

##### 1762 The Case for Remedial Germline Editing—The Long-term View

EY Adashi and IG Cohen

#### BIOTECH INNOVATIONS

##### 1764 PET-CT Improved High-risk Prostate Cancer Staging in Trial

##### 1764 Ankle Robots Could Make Running Easier, Encourage Exercise

##### 1764 Soy Scaffoldings Poised to Make Cultured Meat More Affordable

#### NEWS FROM THE CENTERS FOR DISEASE CONTROL AND PREVENTION

##### 1765 Despite Gains, Progress Toward TB Elimination Has Slowed

##### 1765 Discovering Why Some Infants Have Delayed Hearing Loss Detection

### Humanities

#### THE ARTS AND MEDICINE

##### 1758 King Lear Under COVID-19 Lockdown

A Sinha

This Arts and Medicine feature draws lessons from William Shakespeare's *King Lear* about our collective disorientation and obligations to each other in the midst of the first-wave coronavirus (COVID-19) pandemic.

#### POETRY AND MEDICINE

##### 1857 Truth Machine

AZ Cooper

#### JAMA REVISITED

##### 1858 Serums and Vaccines in Influenza

### Letters

#### RESEARCH LETTER

##### 1843 Detection of SARS-CoV-2 in Different Types of Clinical Specimens

W Wang and Coauthors

This study describes results of PCR and viral RNA testing for SARS-CoV-2 in bronchoalveolar fluid, sputum, feces, blood, and urine specimens from patients with COVID-19 infection in China to identify possible means of non-respiratory transmission.

##### 1844 Ethics Committee Reviews of Applications for Research Studies at 1 Hospital in China During the 2019 Novel Coronavirus Epidemic

H Zhang and Coauthors

This study examines the applications for research in China using the ethical guidance criteria established by the World Health Organization

##### 1846 Possible Vertical Transmission of SARS-CoV-2 From an Infected Mother to Her Newborn

L Dong and Coauthors

This case report describes birth of an infant with elevated anti-SARS-CoV-2 IgM antibodies and cytokine levels to a mother with polymerase chain reaction-confirmed coronavirus disease 2019 (COVID-19) despite no physical contact.

Editorial 1788

##### 1848 Antibodies in Infants Born to Mothers With COVID-19 Pneumonia

H Zeng and Coauthors

This study describes results of IgM and IgG antibody testing from throat swabs of newborns born to mothers with COVID-19 pneumonia.

Editorial 1788

Related Article 1846

##### 1849 Training and Fit Testing of Health Care Personnel for Reusable Elastomeric Half-Mask Respirators Compared With Disposable N95 Respirators

LA Pompeii and Coauthors

This study examines the feasibility of rapidly training and fit testing health care workers to use elastomeric half-mask respirators (EHMRs), widely used in construction and manufacturing, as an alternative to N95 respirators during periods of shortage.

##### 1852 Rural-Urban Differences in Cardiovascular Mortality in the US, 1999-2017

SH Cross and Coauthors

This study used data from the US Centers for Disease Control and Prevention WONDER database to examine temporal trends in cardiovascular disease age-adjusted mortality rates overall and across subgroups stratified by rural-urban area designation in the US.

#### COMMENT & RESPONSE

##### Delivery of Talc for Pleurodesis of Malignant Pleural Effusions

1855 C Wollbrett, J Seitlinger, and S Renaud

#### In Reply

1855 R Bhatnagar and NA Maskell

 Available online