

# Mayo Clinic Proceedings

www.mayoclinicproceedings.org







## Table of Contents

March 2022

Volume 97

Number 3

The April online issue of Proceedings will be available by Friday, April 1. Sign up for an alert to the online Table of Contents at www.mayoclinicproceedings.org

# In The Limelight

427 In the Limelight: March 2022 Karl A. Nath

## **Editorials**

430 Findings From Mayo Clinic's Post-COVID Clinic: PASC Phenotypes Vary by Sex and Degree of IL-6 Elevation

Matthew S. Durstenfeld, Priscilla Y. Hsue, Michael J. Peluso, and Steven G. Deeks

433 Understanding Heart Failure Risk in a Diverse Cohort With Human Immunodeficiency Virus Infection

Christian Faaborg-Andersen, Adrian daSilva-deAbreu, and Hector O. Ventura

436 Improving Outcome Prediction in Alcohol-Associated Hepatitis: Blood Urea Nitrogen and Albumin Help

Elisa Pose and Pere Ginès

- 439 The Pandemic: Health Care's Crucible for Transformation Kristine Olson
- 442 Racial and Sex Disparities in the Management of Hypertrophic Cardiomyopathy Jaideep Singh Bhalla and Malini Madhavan

## Medical Image

445 Pellagra Gloves

Adrian López-Alba, Laura Corbella, and Irene Gallego-Gutierrez



## Perspectives and Controversies

- 447 Stuck in the Strug Era Ariela L. Marshall and Alexandra P. Wolanskyj-Spinner
- 449 A Cautionary Tale: Grouping Patients on Late Events Ruta Brazauskas, Aminah Jatoi, and Jennifer G. Le-Rademacher

## **Original Articles**

454	The Female-Predominant Persistent Immune Dysregulation of the Post-COVID Syndrome
	Ravindra Ganesh, Stephanie L. Grach, Aditya K. Ghosh, Dennis M. Bierle, Bradley R. Salonen, Nerissa M. Collins
	Avni Y. Joshi, Neal D. Boeder Jr., Christopher V. Anstine, Michael R. Mueller, Elizabeth C. Wight, Ivana T. Croghan
	Andrew D. Badley, Rickey E. Carter, and Ryan T. Hurt 🌑 😷
	O is a sixther want agreement the in warmen and discover the most common in man. Women are

Ongoing fatigue is the most common phenotype in women, and dyspnea the most common in men. Women are more likely than men to have an elevated IL-6.

- Human Immunodeficiency Virus Infection and Variation in Heart Failure Risk by Age, Sex, and Ethnicity: The HIV HEART Study
  - Alan S. Go, Kristi Reynolds, Harshith R. Avula, William J. Towner, Rulin C. Hechter, Michael A. Horberg, Suma Vupputuri, Thomas K. Leong, Wendy A. Leyden, Teresa N. Harrison, Keane K. Lee, Sue Hee Sung, and Michael J. Silverberg

HIV infection increased the risk of heart failure, which varied by demographic characteristics and was not primarily mediated through atherosclerotic disease pathways or differential use of cardiopreventive medications.

- The Mortality Index for Alcohol-Associated Hepatitis: A Novel Prognostic Score

  Camille A. Kezer, Seth M. Buryska, Joseph C. Ahn, William S. Harmsen, Winston Dunn, Ashwani K. Singal,
  Juan P. Arab, Luis A. Díaz, Jorge Arnold, Patrick S. Kamath, Vijay H. Shah, and Douglas A. Simonetto

  The Mortality Index for Alcohol-Associated Hepatitis is as accurate as current prognostication models in identifying
  patients with alcohol-associated hepatitis at high risk of short-term mortality.
- Changes in Burnout and Satisfaction With Work-Life Integration in Physicians and the General US Working Population Between 2011 and 2020

  Tait D. Shanafelt, Colin P. West, Christine Sinsky, Mickey Trockel, Michael Tutty, Hanhan Wang, Lindsey E. Carlasare, and Lotte N. Dyrbye

  Occupational burnout and satisfaction with work-life integration have improved among US physicians between 2017 and 2020; however, physicians remain at increased risk relative to the US workforce.
- Sex and Race Disparities in Hypertrophic Cardiomyopathy: Unequal Implantable Cardioverter-Defibrillator Use During Hospitalization

  Sri Harsha Patlolla, Hartzell V. Schaff, Rick A. Nishimura, Jeffrey B. Geske, Shannon M. Dunlay, and Steve R. Ommen

  Among hypertrophic cardiomyopathy hospitalizations, implantable cardioverter-defibrillator devices are underused in women and racial minorities, independent of demographics, hospital characteristics, and comorbidities.
- The Lifestyle-Related Cardiovascular Risk Is Modified by Sleep Patterns

  Qiying Song, Mengying Wang, Tao Zhou, Dianjianyi Sun, Hao Ma, Xiang Li, Yoriko Heianza, and Lu Qi

  Adherence to a healthy sleep pattern may attenuate the cardiovascular disease risk associated with an unfavorable lifestyle.
- Cardioselective Versus Nonselective β-Blockers After Myocardial Infarction in Adults With Chronic Obstructive Pulmonary Disease

  Chang-Min Chung, Ming-Shyan Lin, Shih-Tai Chang, Po-Chang Wang, Teng-Yao Yang, and Yu-Sheng Lin

  Cardioselective β-blocker treatment during hospitalization and continuing after discharge appears to be superior to nonselective β-blocker treatment in patients with COPD after myocardial infarction.
- Autoimmune/Paraneoplastic Encephalitis Antibody Biomarkers: Frequency, Age, and Sex Associations

  Amy Kunchok, Andrew McKeon, Anastasia Zekeridou, Eoin P. Flanagan, Divyanshu Dubey, Vanda A. Lennon, Christopher J. Klein, John R. Mills, and Sean J. Pittock

  Age and sex associations may suggest paraneoplastic, endocrinologic, or aging influences on neurologic autoimmunity.

Risk of an Opioid-Related Emergency Department Visit or Hospitalization Among Older Breast, Colorectal, Lung, and Prostate Cancer Survivors

Demick C. Gibson, Mukaila A. Raji, Holly M. Holmes, Jacques G. Baillargeon, and Yong-Fang Kuo Guidelines and policies should promote nonopioid pain management approaches, especially to opioid non-naive older adults, a population at high risk for an opioid-related ED visit or hospitalization.

## Medical Image

571 Biliary Obstruction Due to IgG4-Related Disease
Franklyn K. Wallace, Paulina S. Marell, Nam Ju Lee, and James Glockner

## **Brief Report**

Comparisons of Insulin Spending and Price Between Canada and the United States
Tyler Schneider, Tara Gomes, Kaleen N. Hayes, Katie J. Suda, and Mina Tadrous

#### Review

579 Long-Term Effects of COVID-19
Shreeya Joshee, Nikhil Vatti, and Christopher Chang

## Concise Review—CME Credit Offered

A Practical 5-Step Approach to Nausea and Vomiting

June Tome, Amrit K. Kamboj, and Seth Sweetser

#### Residents' Clinics

- 58-Year-Old Woman With Cough and Dyspnea
  Zhubene Mesbah, See-Wei Low, and Karen L. Swanson
- 55-Year-Old Woman With Abnormal Liver Test Results
  Hannah H. Zhao-Fleming, Tara M. Davidson, and John E. Eaton
- **24-Year-Old Man With Syncope**Tochukwu Ibe, Sean Sileno, and Michael F. Harrison

## Medical Image

An Extreme Case of Bioprosthetic Valve Thrombosis in a Patient With Systemic Lupus Erythematosus and Antiphospholipid Antibody Syndrome

|wan A. Naser, |ohn M. Stulak, |oana Petrescu, and Sonn V. Pislaru

#### Letters to the Editor

- Left Ventricular Mass and Parameters of Body Composition in Older Adults

  Maria Giulia Tinti, Alfredo Scillitani, Giuseppe Guglielmi, Luciano Nieddu, and Vincenzo Camevale
- Employer-Provided Professional Coaching to Improve Self-compassion and Burnout in Physicians

  Maryam S. Makowski, Claire Palomo, Patty de Vries, and Tait D. Shanafelt

# Path to Patient Image Quiz

Renal Cell Carcinoma With Combined Loss of Fumarate Hydratase and SMARCB1/INI-1 630 Sounak Gupta, Amy A. Swanson, and Lori A. Erickson

# Stamp Vignette on Medical Science

Samuel Gridley Howe: Abolitionist, Physician, and Pioneer in Education of Children With Vision 633 Loss and Mental Disability David P. Steensma and Robert A. Kyle

# Art at Mayo Clinic

St. Francis and the Birds by Charles E. Gagnon Margaret R. Wentz

## Icon Key



An author interview accompanies this article.

Supplemental material accompanies this article at www.mayoclinicproceedings.org.

Indicates articles focusing on health humanities and ethical decision making as applied to medicine and the health sciences.



MAYO "Mayo Clinic Proceedings," "Mayo," CLINIC "Mayo Cultur, und all registered marks of "Mayo Clinic," and the triple-shield Mayo Mayo Foundation for Medical Education and Research.

MAYO CLINIC PROCEEDINGS is published monthly by Elsevier on behalf of Mayo Foundation for Medical Education and Research.

