

Mayo Clinic Proceedings

www.mayoclinicproceedings.org







Table of Contents

February 2022

Volume 97

Number 2

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

In The Limelight

199 In the Limelight: February 2022 Karl A. Nath

Editorials

- 202 Can We Work Toward Medicine to Minimize Disruption?

 Barbara P. Yawn
- 205 The High Cost of Harm

 Carlie Myers and David C. Stockwell

Medical Image

208 Lichen Planopilaris
Fangyi Xie and Julia S. Lehman

Perspectives and Controversies

- 210 Minimally Disruptive Medicine: Progress 10 Years Later

 Kasey R. Boehmer, Katie I. Gallacher, Kate A. Lippiett, Frances S. Mair, Carl R. May, and Victor M. Montori
- Complexity Bias in the Prevention of Iatrogenic Injury: Why Specific Harms May Inhibit Performance

 William V. Padula, David G. Armstrong, and Dana P. Goldman

Original Articles

Cardiometabolic Health Outcomes Associated With Discordant Visceral and Liver Fat
Phenotypes: Insights From the Dallas Heart Study and UK Biobank
Sanaa Tejani, Cody McCoy, Colby R. Ayers, Tiffany M. Powell-Wiley, Jean-Pierre Després, Jennifer Linge,
Olof Dahlqvist Leinhard, Mikael Petersson, Magnus Borga, and Ian J. Neeland
A high visceral adipose tissue/low liver fat phenotype was more robustly associated with cardiovascular disease than was a high visceral adipose tissue/high liver fat phenotype.

- Social Determinants of Health Among Non-Elderly Adults With Stroke in the United States
 Safi U. Khan, Isaac Acquah, Zulqamain Javed, Javier Valero-Elizondo, Tamer Yahya, Ron Blankstein,
 Salim S. Virani, Michael J. Blaha, Adnan A. Hyder, Prachi Dubey, Farhaan S. Vahidy, Miguel Cainzos-Achinca,
 and Khurram Nasir
 - Nearly half of all non-elderly individuals with stroke have an unfavorable social determinants of health profile.
- 250 Association Between Payments by Pharmaceutical Manufacturers and Prescribing Behavior in Rheumatology

Alí Duarte-García, Cynthia S. Crowson, Rozalina G. McCoy, Jeph Herrin, Veronica Lam, Michael S. Putman, Joseph S. Ross, Eric L. Matteson, and Nilay D. Shah

Although most payments to rheumatologists were for low dollar amounts, payments by pharmaceutical companies were associated with increased probability of prescribing and Medicare spending.

- Beta-Blocker Exposure and Survival in Patients With Transthyretin Amyloid Cardiomyopathy
 Gonzalo Barge-Caballero, Eduardo Barge-Caballero, Manuel López-Pérez, Raquel Bilbao-Quesada,
 Eva González-Babarro, Inés Gómez-Otero, Andrea López-López, Mario Gutiérrez-Feijoo, Alfonso Varela-Román,
 Carlos González-Juanatey, Óscar Díaz-Castro, and María G. Crespo-Leiro
 In this real-world, prospective, multi-institutional registry, patients with transthyretin amyloid cardiomyopathy who
 received beta blockers had lower all-cause mortality than untreated controls.
- Relationship Between Etiology of Cirrhosis and Survival Among Patients Hospitalized in Intensive Care Units

 Chansong Choi, Dae Hee Choi, Grant M. Spears, T. (Bee) Peeraphatdit, Laura Piccolo Serafim, Ognjen Gajic, Patrick S. Kamath, Vijay H. Shah, Alice Gallo de Moraes, and Douglas A. Simonetto

Critically ill patients with alcohol-associated cirrhosis have decreased survival after ICU discharge compared with patients with other etiologies of cirrhosis, independent of alcohol abstinence.

Updated Reference Standards for Cardiorespiratory Fitness Measured with Cardiopulmonary Exercise Testing: Data from the Fitness Registry and the Importance of Exercise National Database (FRIEND)

Leonard A. Kaminsky, Ross Arena, Jonathan Myers, James E. Peterman, Amanda R. Bonikowske, Matthew P. Harber, Jose R. Medina Inojosa, Carl J. Lavie, and Ray W. Squires

Coupled with data from 34 participating laboratories across the United States, these updated cardiorespiratory fitness reference standards should make these more representative for the US population.

Detection of Plasma Cell Disorders by Mass Spectrometry: A Comprehensive Review of 19,523

Surendra Dasari, Mindy C. Kohlhagen, Angela Dispenzieri, Mana A.V. Willrich, Melissa R. Snyder, Taxiarchis V. Kourelis, John A. Lust, John R. Mills, Robert A. Kyle, and David L. Murray

Ability to detect therapeutic monoclonal antibodies and glycosylated light chains was a distinct advantage of a new mass spectrometry-based method, termed MASS-FIX.

308 Direct Oral Anticoagulants Compared With Dalteparin for Treatment of Cancer-Associated Thrombosis: A Living, Interactive Systematic Review and Network Meta-analysis

Irbaz Bin Riaz, Harry E. Fuentes, Syed Arsalan Ahmed Naqvi, Huan He, Qurat-ul-Ain Riaz Sipra, Alfonso J. Tafur, Leslie Padranos, Waldemar E. Wysokinski, Ariela L. Marshall, Per Olav Vandvik, Victor Montori, Alan H. Bryce, Hongfang Liu, Robert G. Badgett, Mohammad Hassan Murad, and Robert D. McBane 2nd

Direct oral anticoagulants should be considered a standard of care for the treatment of cancer-associated thrombosis except in patients with a high risk of bleeding.

Medical Image

Nonhealing Ulcer at a Surgical Site Krasimira A. Rozenova and Alina G. Bridges

Brief Report

327 Effectiveness of Monoclonal Antibodies in Preventing Severe COVID-19 With Emergence of the Delta Variant

John C. O'Horo, Douglas W. Challener, Leigh Speicher, Wendelyn Bosch, Maria Teresa Seville, Dennis M. Bierle, Ravindra Ganesh, Caroline G. Wilker, Richard F. Amdt, Lori L. Amdt, Sidna M. Tulledge-Scheitel, Sara N. Hanson, and Raymund R. Razonable

Review

333 Diagnosis and Treatment of Acromegaly: An Update Nazanin Ershadinia and Nicholas A. Tritos

Concise Review—CME Credit Offered

347 Evaluation and Management of Vaginitis

Mary L. Mamach, Jenna N. Wygant, and Petra M. Casey

Residents' Clinics

- 359 56-Year-Old Woman Presenting With Fatigue, Weakness, and Malaise Haares Mirzan, Kamal Shair, and Razvan Chirila
- 364 67-Year-Old Woman With Diarrhea and Weight Loss Ashley D. Hickman, Antoine N. Saliba, and Grzegorz S. Nowakowski
- 370 18-Year-Old Man With Chest Pain John Bretzman and Rekha Mankad

Thematic Review on Perioperative Medicine

- Preoperative Management of Medications for Neurologic Diseases: Society for Perioperative Assessment and Quality Improvement Consensus Statement

 Adriana D. Oprea, Maureen C. Keshock, Avital Y. O'Glasser, Kenneth C. Cummings III, Angela F. Edwards, Andrea Leep Hunderfund, Richard D. Urman, and Karen F. Mauck
- Preoperative Management of Medications for Psychiatric Diseases: Society for Perioperative Assessment and Quality Improvement Consensus Statement

 Adriana D. Oprea, Maureen C. Keshock, Avital Y. O'Glasser, Kenneth C. Cummings III, Angela F. Edwards, Paula C. Zimbrean, Richard D. Urman, and Karen F. Mauck

Medical Image

417 Spinal Aneurysmal Bone Cyst Causing Spinal Cord Compression Jason Yuen, Andrew L. Folpe, and Vance T. Lehman

February 2022 Volume 97

Letters to the Editor

- Survival Time in Hematologic Malignancies Obeys Newcomb-Benford Law Taha Al-Juhaishi and Sadeer G. Al-Kindi
- 420 Association Between Weekly Exercise Time and Mortality Vincent L. Aengevaeren, Thijs M.H. Eijsvogels, and Esmée A. Bakker
- 421 In Reply—Association Between Weekly Exercise Time and Mortality Jacob Louis Marott, Peter Schnohr, James H. O'Keefe, and Carl J. Lavie

Path to Patient Image Quiz

423 Hemochromatosis Michael S. Torbenson and Lori A. Erickson

Art at Mayo Clinic

425 McCarthy Lake Farm, Weaver Bottoms, and Pioneer Boat Landing by Mike Schad 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 Clinic," and the triple-shield Mayo Clinic logo are all registered marks of 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.



@ 2022 Mayo Foundation for Medical Education and Research