ation.

system

plockers



MAYO CLINIC PROCEDING

www.mayoclinicproceedings.org







Table of Contents

March 2020

Volume 95

Number 3

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

In The Limelight

429 In the Limelight: March 2020

Karl A. Nath 🚯



Editorials

- 432 Noninvasive Diagnosis of Eosinophilic Esophagitis: The Nuclear Medicine Option Benjamin L. Wright and Hirohito Kita
- 435 Prediction of Acute Kidney Injury in Hospitalized, Non-Critically III Patients
- 437 Strength-Endurance Training Classes: Health Benefits and Injury Rates of an Emerging Cornerstone of Physical Activity Jonathon W. Senefeld and Michael J. Joyner

Medical Image

Giant Saphenous Venous Graft Aneurysm Causing Heart Failure Paurush Ambesh and Amir Lotfi

Commentary

441 Predatory Journals: A Cautionary Tale and a Lesson in Copyright Transfer Jonathan G. Leung, Patrick M. Wieruszewski, LeAnn Stee, Christopher R. Takala, and Brian A. Palmer 🐽



Perspective and Controversy

445 Can Pain Management be Safely Optimized in Older Adults? Christina Y. Chen and Brandon Verdoom

Original Articles

449

Oral Administration of 99m Technetium-Labeled Heparin in Eosinophilic Esophagitis Hedieh Saffari, Kathryn A. Peterson, Kristin M. Leiferman, Michael G. Stabin, Jeffrey J. Krstyen, Frederic C. Clayton, Leonard F. Pease III, Jeffrey T. Yap, John M. Hoffman, and Gerald J. Gleich

Swallowed ^{99m}Tc-heparin transiently binds to the esophagus of subjects with active eosinophilic esophagitis who are experiencing eosinophil-related inflammation, as shown by eosinophil infiltration and by deposition of eMBPI in tissue biopsy specimens.

Continued

Risk Factors for Acute Kidney Injury in Hospitalized Non—Critically III Patients:

A Population-Based Study

See it & March & Hommes Folicity T. Enders John C. Lieske and Kignoush B. Kashani C.

Sami Safadi, Musab S. Hommos, Felicity T. Enders, John C. Lieske, and Kianoush B. Kashani Hospital-acquired acute kidney injury is common in non-ICU inpatients and is associated with worse outcomes.

- Injury Rate and Patterns in Group Strength-Endurance Training Classes

 Anna M. Batterson, Raegan K. Froelich, Cathy D. Schleck, and Edward R. Laskowski

 The increased injury rate during this study was comparable with rates reported in prospective studies of novice and
- The Association Between Perceived Electronic Health Record Usability and Professional Burnout Among US Physicians

Edward R. Melnick, Liselotte N. Dyrbye, Christine A. Sinsky, Mickey Trockel, Colin P. West, Laurence Nedelec, Michael A. Tutty, and Tait Shanafelt 🐠 🚱 🛨

The usability of current electronic health record systems received a grade of "F" by physician users when evaluated using a standardized metric of technology usability.

Dose-Response Effects of Exercise on Glucose-Lowering Medications for Type 2 Diabetes: A Secondary Analysis of a Randomized Clinical Trial

Christopher S. MacDonald, Mette Y. Johansen, Sabrina M. Nielsen, Robin Christensen, Katrine B. Hansen, Henning Langberg, Allan A. Vaag, Kristian Karstoft, Daniel E. Lieberman, Bente K. Pedersen, and Mathias Ried-Larsen

Exercise was associated with a decreased need for glucose-lowering medication in a dose-dependent manner. However, the authors caution that discontinuation of glucose-lowering medication treatment is debatable.

Is My Patient Overwhelmed? Determining Thresholds for Acceptable Burden of Treatment Using Data From the ComPaRe e-Cohort

Viet-Thi Tran, Victor M. Montori, and Philippe Ravaud

About 40% of patients with chronic conditions report being unable to sustain current investments of energy, time, and money in health care throughout their lives.

Prevalence and Impact of Nonalcoholic Fatty Liver Disease in Atrial Fibrillation

Daniele Pastori, Angela Sciacqua, Rossella Marcucci, Alessio Farcomeni, Francesco Perticone, Maria Del Ben, Francesco Angelico, Francesco Baratta, Pasquale Pignatelli, and Francesco Violi; the ATHERO-AF study group Nonalcoholic fatty liver disease is highly prevalent in atrial fibrillation but is not associated with higher bleeding or thrombotic risk.

Brief Report

521 Septal Myectomy and Concomitant Coronary Artery Bypass Grafting for Patients With Hypertrophic Cardiomyopathy and Coronary Artery Disease

A CHEST OF THE PROPERTY OF THE

Anita Nguyen, Hartzell V. Schaff, Ahmed F. Sedeek, Jeffrey B. Geske, Joseph A. Dearani, Steve R. Ommen, Brian D. Lahr, Jason K. Viehman, and Rick A. Nishimura

Medical Image

Foreign Body in the Mucosa in a Patient With Atopic Dermatitis

Aslan Yürekli and Berkay Akmazın manada baladı I-manada baladı

s. Mayo Clinic Scientific Breen inf

Special Article

527 Rethinking Patient and Medical Professional Perspectives on Bariatric Surgery as a Medically Necessary Treatment

Gretchen E. Ames, Jennifer R. Maynard, Maria L. Collazo-Clavell, Matthew M. Clark, Karen B. Grothe, and Enrique F. Elli

Reviews

Endothelial Vascular Function as a Surrogate of Vascular Risk and Aging in Women
Peter Collins, Angela Maas, Megha Prasad, Louise Schierbeck, and Amir Lerman

Treatment of the Connective Tissue Disease—Related Interstitial Lung Diseases: A Narrative Review

Yang Gao and Teng Moua 🚯

10 TO THE P.

Concise Review for Clinicians-CME Credit Offered

Current Management and Treatment Options for Breast Pain
Lauren F. Cornell, Nicole P. Sandhu, Sandhya Pruthi, and Dawn M. Mussallem

Please note that articles with an "e" page designation are available only in the online version of the Journal at www.mayoclinicproceedings.org

Residents' Clinic

581 53-Year-Old Man With Hypokalemia and Renal Injury Zhenmei Zhang, Kathryne N. Wood, and Michael A. Mao

e23 91-Year-Old Man With Upper Extremity Ecchymoses
Ryan B. Khodadadi, John R. Ogden, and Ariela L. Marshall

Thematic Review on Women's Health-CME Credit Offered

587 Sex Differences in Diabetic Kidney Disease Christine Maric-Bilkan

Thematic Review on Vaccines

600 Principles of Vaccine Licensure, Approval, and Recommendations for Use

Larry K. Pickering, H. Cody Meissner, Walter A. Orenstein, and Amanda C. Cohn

Medical Image

Aortic Root Thrombus Post-Left Ventricular Assist Device Placement
Pradyumna Agasthi and Reza Arsanjani





Letters to the Editor

- 611 Cardiac Arrest Definition Using Administrative Codes and Outcomes in Acute Myocardial Infarction
 Saraschandra Vallabhajosyula, Jacob C. Jentzer, and Chad J. Zack
- The Exercise Vital Sign as a Potential Alternative to Determining Cardiorespiratory Fitness |ames T. Langland
- In reply—The Exercise Vital Sign as a Potential Alternative to Determining Cardiorespiratory
 Fitness
 Robert Ross
- Immune Checkpoint Inhibitor—Induced Type 1 Diabetes: An Underestimated Risk
 Halis Kaan Akturk and Aaron W. Michels
- In Reply Immune Checkpoint Inhibitor—Induced Type 1 Diabetes: An Underestimated Risk Julian A. Marin-Acevedo, Razvan M. Chirila, and Roxana Dronca
- 615 Legacy of Nutritionist Ancel Keys
 Phillip B. Sparling
- News Coverage of the American Cancer Society's Update to Colorectal Cancer Screening
 Guidelines
 Anna Krigel, Vinay K. Prasad, and Benjamin Lebwohl

Path to Patient Image Quiz

619 Fumarate Hydratase-Deficient Renal Cell Carcinoma Soundk Gupta and Lori A. Erickson

Stamp Vignette on Medical Science

e31 Ibn Sina (Avicenna): The "Prince of Physicians"

Ahmadreza Afshar, David P. Steensma, and Robert A. Kyle

Art at Mayo Clinic

Orthoceras and Black Marinace Stone: From Quarries in North Africa and Brazil

Margaret R. Wentz