



MAYO CLINIC PROCEEDINGS

www.mayoclinicproceedings.org



Table of Contents

November 2017

Volume 92


Number 11

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





Editorials

- 1605** Gut Microbiota and Cancer Patients: A Broad-Ranging Relationship
Giovanni Cammarota and Gianluca Ianiro
- 1608** Physician Burnout—A Leading Indicator of Health System Performance?
Kristine D. Olson






Commentary

- 1612** Quality of Shared Decision Making in Lung Cancer Screening: The Right Process, With the Right Partners, at the Right Time and Place
Claudia C. Dobler, David E. Midthun, and Victor M. Montori 


Original Articles

- 1617** Safety and Efficacy of Fecal Microbiota Transplant for Recurrent *Clostridium difficile* Infection in Patients With Cancer Treated With Cytotoxic Chemotherapy: A Single-Institution Retrospective Case Series
Mehrdad Hefazi, Mrinal M. Patnaik, William J. Hogan, Mark R. Litzow, Darrell S. Pardi, and Sahil Khanna  
The presence of active malignancy or recent chemotherapy should not preclude the use of fecal microbiota transplant in this high-risk population.
- 1625** Professional Satisfaction and the Career Plans of US Physicians
Christine A. Sinsky, Lotte N. Dyrbye, Colin P. West, Daniel Satele, Michael Tutty, and Tait D. Shanafelt  
A physician workforce that has one eye on the door may not be optimally engaged and aligned with advancing an institution's goals. These findings have profound implications for health care organizations.
- 1636** Extremely Elevated Erythrocyte Sedimentation Rates: Associations With Patients' Diagnoses, Demographic Characteristics, and Comorbidities
Lisa M. Daniels, Pritish K. Tosh, Justin A. Fiala, Cathy D. Schleck, Jay N. Mandrekar, and Thomas J. Beckman
This study—the largest of its kind to date—identified higher erythrocyte sedimentation rates in men than in women and no associations with age, race, or comorbid illness.


Continued

- 1644** Effect of Cardiac Rehabilitation Dose on Mortality and Morbidity: A Systematic Review and Meta-regression Analysis
Carolina Santiago de Araújo Pio, Susan Marzolini, Maureen Pakosh, and Sherry L. Grace  
 A minimum of 36 cardiac rehabilitation sessions may be needed to reduce percutaneous coronary interventions.
- 1660** 25-Year Physical Activity Trajectories and Development of Subclinical Coronary Artery Disease as Measured by Coronary Artery Calcium: The Coronary Artery Risk Development in Young Adults (CARDIA) Study
Deepika R. Laddu, Jamal S. Rana, Rosenda Murillo, Michael E. Sorel, Charles P. Quesenberry Jr, Norrina B. Allen, Kelley P. Gabriel, Mercedes R. Camethon, Kiang Liu, Jared P. Reis, Donald Lloyd-Jones, J. Jeffrey Carr, and Stephen Sidney  
 White individuals who participated in 3 times the recommended guidelines for physical activity over 25 years had higher odds of developing subclinical coronary atherosclerosis by middle age.
- 1671** The Association of Serum Free Light Chains With Mortality and Progression to End-Stage Renal Disease in Chronic Kidney Disease: Systematic Review and Individual Patient Data Meta-analysis
Simon D.S. Fraser, Anthony Fenton, Scott Harris, Adam Shardlow, Sophie Liabeuf, Ziad A. Massy, Anne Burmeister, Colin A. Hutchison, Martin Landray, Jonathan Emberson, Phil Kalra, James P. Ritchie, Paul Cockwell, and Maarten W. Taal 
 Higher levels of polyclonal serum free light chains are independently associated with higher risk of mortality and end-stage renal disease in patients with chronic kidney disease.

Brief Report

- 1682** Propofol Frenzy: Clinical Spectrum in 3 Patients
Diego Z. Carvalho, Ryan A. Townley, Christopher M. Burkle, Alejandro A. Rabinstein, and Eelco F.M. Wijdicks 

Special Article


- 1688** An Organization Model to Assist Individual Physicians, Scientists, and Senior Health Care Administrators With Personal and Professional Needs
Tait D. Shanafelt, Deborah J. Lightner, Christopher R. Conley, Steven P. Petrou, Jarrett W. Richardson, Pamela J. Schroeder, and William A. Brown 

Concise Review for Clinicians—CME Credit Offered


- 1697** Practical Considerations for the Diagnosis and Management of Asthma in Older Adults
Barbara P. Yawn and Meilan K. Han

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

- 1706** 58-Year-Old Woman With Diarrhea, Weakness, and Memory Loss
Douglas W. Challener, Omar Abu Saleh, and Jennifer A. Whitaker
- e155** 20-Year-Old Woman With Postprandial Nausea, Vomiting, and Abdominal Pain
Mohamad Zetir, Taryn Smith, and Michele D. Lewis 

Symposium on Precision Medicine—CME Credit Offered

- 1711** Pharmacogenomics: Precision Medicine and Drug Response
Richard M. Weinshilboum and Liewei Wang 

Symposium on Neurosciences—CME Credit Offered

- 1723** REM Sleep Behavior Disorder: Diagnosis, Clinical Implications, and Future Directions
Erik K. St Louis and Bradley F. Boeve 


Medical Images

- 1737** Brunner Gland Adenoma
Lucas X. Marinacci and Farrin A. Manian


Path to Patient Image Quiz

- 1739** Gestational Trophoblastic Disease
J. Kenneth Schoolmeester and Lori A. Erickson

Stamp Vignette on Medical Science

- e161** Thalassemia and Thomas Benton Cooley
Salahuddin Siddiqui, David P. Steensma, and Robert A. Kyle 

Art at Mayo Clinic

- e163** *Wolf Hat* by Preston Singletary
Margaret R. Wentz 

Other Features

21A Professional Opportunities

Coming Soon...

Promoting Fitness Throughout the Lifespan

Challenges Facing the Aging Surgeon

Detection of Cardiovascular Risk in Children

Safety Outcomes for Autologous Stem Cell Transplant in Multiple Myeloma

Use of the Coronary Artery Calcium Score for Statin Therapy in Primary Prevention

Genitourinary Syndrome of Menopause





Direct-to-Consumer Genetic Testing

Primary Versus Secondary Focal Segmental Glomerulosclerosis

Youth Sports-Related Concussions

Chronic Inflammatory Demyelinating Polyradiculoneuropathy

Icon Key

-  This article has been given "Editor's Choice" distinction.
-  An author interview accompanies this article.
-  This article is online only at www.mayoclinicproceedings.org.
-  Supplemental material accompanies this article at www.mayoclinicproceedings.org.



"Mayo Clinic Proceedings," "Mayo," "Mayo Clinic," and the triple-shield Mayo Clinic logo are all registered marks of Mayo Foundation for Medical Education and Research.

MAYO CLINIC PROCEEDINGS (ISSN 0025-6196) is published monthly by Elsevier on behalf of Mayo Foundation for Medical Education and Research. Periodicals postage paid at New York, NY, and additional mailing offices. POST MASTER: Send address changes to Elsevier, Journal Returns, 1799 Highway 50 East, Linn, MO 65051, USA.



© 2017 Mayo Foundation for Medical Education and Research

Supplemental material attached to journal articles has not been edited, and the authors take responsibility for the accuracy of all data.

M
CL
D

Gen

Manus
Editor
cannot

Publ
lished
Resear
0901, 1

Postma
Linn, M

Copyri
Resear
in it ar
Resear

Photoc
allowe
require
for adv
Special
for non
make j
Danver
and m
(CLAR)
contact

Permis
in Oxf
85333
www.s

Deriva
articles
of the
of the
transla

Electr
materi
publis

Ex
a retrie
photoc

Discla
for an
liabilit
produ
advan
dosage