y in an indling, these scribed ading. It with treated 708) of east 12 LUENT on site

50 mg thibited ig-term Ab are j every

inform yo-fetal lesis at of 150 iserved if dose j every iserved ery two keys at er IgG dies in er, they onsider scribing

limpet when g/week at the IC. The re it is allenge talal or served.

thealth sed for or from sed data ation in

ind 241 alety or eported /ounger

y (12.3)



www.mayoctinicproceedings.org







Table of Contents

November 2018

Volume 93

Number 11

The December online issue of *Proceedings* will be available by Monday, December 3. Sign up for an alert to the online Table of Contents at www.mayoclinicproceedings.org

Editorials

- 1537 Cognitive Impairment, Anesthesia, and Critical Illness: Learning From the Past to Gain Perspective on the Future

 lan J. Barbash
- 1540 The Insomniac's Kidney—A Novel Perspective on Renal Dysfunction
 Naima Covassin and Virend K Somers
- 1543 Rethinking Amyotrophic Lateral Sclerosis Jeffrey Rosenfeld
- 1546 Seek and You Shall Find: Is Subclinical Amyloid More Common Than Expected?

 Laura Obici and Giampaolo Merlini

Commentary

1549 The Heart of the Hospital James S. Newman

Original Articles

1552 Effect of Cognitive Status on the Receipt of Procedures Requiring Anesthesia and Critical Care Admissions in Older Adults

Phillip J. Schulte, David P. Martin, Atousa Deljou, Moldovan Sabov, Rosebud O. Roberts, David S. Knopman, Ronald C. Petersen, Toby N. Weingarten, Andrew C. Hanson, Darrell R. Schroeder, David O. Warner, and Juraj Sprung

Patients with mild cognitive impairment or dementia are not more likely to undergo surgery or to require intensive care unit admission after procedures.

1563 Association of Chronic Insomnia With Mortality and Adverse Renal Outcomes

Jun Ling Lu, Amado X. Freire, Miklos Z. Molnar, Kamyar Kalantar-Zadeh, and Csaba P. Kovesdy

Chronic insomnia is associated with a higher risk of development and progression of kidney disease.

Continued

Ta

Cc

16

P

R

16

16

e1

TI

16

Ci

. 16

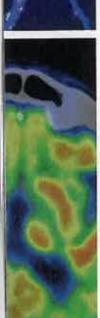
16

1

16

14







Physician Burnout, Well-being, and Work Unit Safety Grades in Relationship to Reported 1571 Medical Errors

Daniel S. Tawfik, Jochen Profit, Timothy I. Morgenthaler, Daniel V. Satele, Christine A. Sinsky, Liselotte N. Dyrbye, Michael A. Tutty, Colin P. West, and Tait D. Shanafelt 🦚 🛟

In this large national study, physician burnout, fatigue, and work unit safety grades were independently associated with major medical errors.

Frontal Fibrosing Alopecia in Women: The Mayo Clinic Experience With 148 Patients, 1581 1992-2016

Reese L. Imhof, Hafsa M. Chaudhry, Sydney C. Larkin, Rochelle R. Torgerson, and Stanislav N. Tolkachjov 🌎 There are many challenges surrounding the treatment of patients with frontal fibrosing alopecia. Although combination therapy is helpful in slowing disease progression, recurrence is common.

Ideal Cardiovascular Health and Incident Cardiovascular Disease Among Adults: A Systematic 1589 Review and Meta-analysis

Robinson Ramírez-Vélez, José M. Saavedra, Felipe Labelo, Carlos A. Celis-Morales, Borja del Pozo-Cruz, and Antonio García-Hermoso

Meeting 3 to 4 of the 7 ideal cardiovascular health profile metrics was associated with an average 31% to 56% reduction in cardiovascular disease.

The Return of Actionable Variants Empirical (RAVE) Study, a Mayo Clinic Genomic Medicine 1600 Implementation Study: Design and Initial Results

Iftikhar J. Kullo, Janet Olson, Xiao Fan, Merin Jose, Maya Safarova, Carmen Radecki Breitkopf, Erin Winkler, David C. Kochan, Sara Snipes, Joel E. Pacyna, Meaghan Carney, Christopher G. Chute, Jyoti Gupta, Sheethal Jose, Eric Venner, Mullai Murugan, Yunyun Jiang, Magdi Zordok, Medhat Farwati, Maraisha Philogene, Erica Smith, Gabriel Q. Shaibi, Pedro Caraballo, Robert Freimuth, Noralane M. Lindor, Richard Sharp, and Stephen N. Thibodeau ()

This ongoing study will inform best practices for implementing genomic sequencing in the clinical setting.

Brief Report

Long-Term Weight Loss and Metabolic Health in Adults Concerned With Maintaining or Losing 1611 Weight: Findings From NHANES

Gregory Knell, Qing Li, Kelley Pettee Gabriel, and Kerem Shuval

Reviews

Amyotrophic Lateral Sclerosis: An Update for 2018 Björn Oskarsson, Tania F. Gendron, and Nathan P. Staff 🦚

Glucose-Lowering Therapies for Cardiovascular Risk Reduction in Type 2 Diabetes Mellitus: 1629 State-of-the-Art Review

Salvatore Carbone, Dave L. Dixon, Leo F. Buckley, and Antonio Abbate



er 11

yrbye,

d with

nation

ıatic

6

cine ler,

l Jose, mith,

osing

ıs:

itinued

Concise Review for Clinicians—CME Credit Offered

1648 Migraine Headache: Updates and Future Developments

Parker E. Bohm, Fernando F. Stancampiano, and Todd D. Rozen

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

- 1654 62-Year-Old Man With Fever and Pruritic Rash
 Benjamin P. Cochran, ErinMarie O. Kimbrough, and Ricardo J. Pagán
- 1659 29-Year-Old Woman With Fever and Bilateral Lower Extremity Lesions
 Derek W. Ebner, Marie Hu, and Thomas H. Poterucha
- e113 45-Year-Old Man With Abdominal Pain and Splenomegaly
 Kelly C. Gast, Kate Hoversten, and Mrinal M. Patnaik

Thematic Review on Women's Health—CME Credit Offered

1664 State-of-the-Art Diagnosis and Treatment of Hypertension in Pregnancy
Laura A. Magee and Peter von Dadelszen

Case Report

1678 A Patient With Hereditary ATTR and a Novel AGel p.Ala578Pro Amyloidosis

Meera Sridharan, W. Edward Highsmith, Paul J. Kurtin, Michael T. Zimmermann, Jason D. Theis, Surendra Dasari, and David Dingli

Letters to the Editor

- 1683 Burnout is Not Associated With Increased Medical Errors Nicholas D. Lawson
- 1683 In Reply—Burnout Is Not Associated With Increased Medical Errors
 Daniel S. Tawfik, Jochen Profit, Timothy I. Morgenthaler, Daniel V. Satele, Christine Sinsky, Liselotte Dyrbye,
 Michael Tutty, Colin P. West, and Tait D. Shanafelt
- 1684 Short Telomere Syndromes, Biological Aging, and Hematopoietic Stem Cell Transplantation

 Alessandro Testori
- 1685 In Reply—Short Telomere Syndromes, Biological Aging, and Hematopoietic Stem Cell Transplantation

 Abhishek A. Mangaonkar and Mrinal M. Patnaik



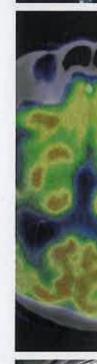






Table of Contents

November 2018 Volume 93 Number 11

Ta

Otl

491

Co

Ad

Suj

for Ph:

De

Mo

Dia

Le

Ex

Ou

He

Co

1687 Efficacy of Warfarin Anticoagulation and Incident Dementia: Does Cognitive Impairment Reduce Efficacy?

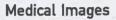
Michael R. Bubb

1687 In Reply—Efficacy of Warfarin Anticoagulation and Incident Dementia: Does Cognitive Impairment Reduce Efficacy?
Malini Madhavan, Bernard J. Gersh, Susan A. Weston, and Alanna M. Chamberlain

1688 Comment on Medical Cannabis for Obstructive Sleep Apnea: Premature and Potentially Harmful Eugene L. Scharf, Jon O. Ebbert, and Ryan T. Hurt

In Reply—Comment on Medical Cannabis for Obstructive Sleep Apnea: Premature and Potentially Harmful

Bhanu Prakash Kolla, Meghna P. Mansukhani, Eric J. Olson, Erik K. St. Louis, Michael H. Silber, and Timothy I. Morgenthaler



1690 False-Positive DaTscan Features With Methylphenidate and Phentermine Therapy Kenneth N. Huynh and Ba D. Nguyen

Path to Patient Image Quiz

1692 Classic Hodgkin Lymphoma Linda N. Dao and Lori A. Erickson

Stamp Vignette on Medical Science

e119 Herman Boerhaave — Master Clinician and Humanist Robert A. Kyle and David P. Steensma

Art at Mayo Clinic

e121 Mosaic Flower Painting by Rhonda Tesch

Morgaret R. Wentz



er 11

Table of Contents

November 2018

Volume 93

Number 11

Reduce

armful

Other Features

49A

Professional Opportunities

Coming Soon...

for the Internist

Advances in Treatment of Sickle Cell Disease

Supraventricular Arrhythmias: Common Scenarios

Pharmacologic Treatment of Intensive Care Unit Delirium

Mortality and ESRD in Patients With Type 2 Diabetes After Acute Kidney Injury

Leisure-Time Physical Activities and Life Expectancies

Outcomes After Aneurysmal Subarachnoid Hemorrhage

Diabetes and Survival After Liver Transplantation

Urinary Sodium Excretion and Risk of Stroke

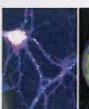
Talking to Patients About Medical Cannabis

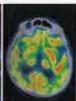
Diagnosis of Hypertensive Disorders of Pregnancy

Health Literacy and Mortality in Adults Hospitalized for Cardiovascular Disease

Impact of Dual Energy X-ray Absorptiometry Testing on Fractures

Cover Image







The composite cover image highlights 3 salient themes: the wideranging effects of human biomedical research and discovery in driving progress in understanding and treating human disease (symbolized, on the left, by a neuron and its ramifying dendrites and axons); state-ofthe-art investigation in evaluating human disease (symbolized, in the middle, by a positron emission tomographic image of the brain); and the indispensability of teamwork and the coalescence of expertise in providing the best possible care for patients (symbolized, on the right, by a collaborating surgical/interventional team).

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.



ontinued

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 (15SN 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.



Ø 2018 Mayo Foundation for Medical Education and Research

Service of the Committee of the Committe

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



