

# PROCEEDINGS

www.mayoclinicproceedings.org







# Table of Contents

October 2016

Volume 91

Number 10

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

# **Editorials**

- 1325 The Evolution of Physician Certification and the Canary in the Coal Mine James C. Puffer
- 1328 Role of Neuroinflammation in Parkinson Disease: The Enigma Continues Shyamal H. Mehta and Caroline M. Tanner

# Commentary

1331 Murder Liability for Prescribing Opioids: A Way Forward?
Y. Tony Yang and Rebecca L. Haffajee

# **Original Articles**

1346

- Physician Attitudes About Maintenance of Certification: A Cross-Specialty National Survey
  David A. Cook, Morris J. Blachman, Colin P. West, and Christopher M. Wittich
  Dissatisfaction with current Maintenance of Certification programs is pervasive and not localized to specific sectors or specialties.
- Population-Based Study

  Yueh-Feng Sung, Feng-Cheng Liu, Chun-Chieh Lin, Jiunn-Tay Lee, Fu-Chi Yang, Yu-Ching Chou, Cheng-Li Lin, Chia-Hung Kao, Hsin-Yi Lo, and Tse-Yen Yang

  Patients with rheumatoid arthritis have a reduced risk of developing Parkinson disease, and biologic disease-modifying antirheumatic drugs appear to further reduce this risk.

Reduced Risk of Parkinson Disease in Patients With Rheumatoid Arthritis: A Nationwide

Systemic Immunoglobulin Light Chain Amyloidosis—Associated Myopathy: Presentation, Diagnostic Pitfalls, and Outcome

Eli Muchtar, Daniele Derudas, Michelle Mauermann, Teerin Liewluck, Angela Dispenzieri, Shaji K. Kumar, David Dingli, Martha Q. Lacy, Francis K. Buadi, Suzanne R. Hayman, Prashant Kapoor, Nelson Leung, Rajshekhar Chakraborty, Wilson Gonsalves, Stephen Russell, John A. Lust, Yi Lin, Ronald S. Go, Steven Zeldenrust, Robert A. Kyle, S. Vincent Rajkumar, and Morie A. Gertz

Immunoglobulin light chain amyloidosis—associated myopathy is rare, and delay in diagnosis is common. A clue to diagnosis may be elevation of cardiac troponin T levels in the absence of cardiac disease.



Tab

1362 A Predictive Model of Mortality in Patients With Bloodstream Infections due to Carbapenemase-Producing Enterobacteriaceae

Belén Gutiérrez-Gutiérrez, Elena Salamanca, Marina de Cueto, Po-Ren Hsueh, Pierluigi Viale, José Ramón Paño-Pardo, Mario Venditti, Mario Turnbarello, George Daikos, Vicente Pintado, Yohei Doi, Felipe Francisco Tuon, Ilias Karaiskos, Isabel Machuca, Mitchell J. Schwaber, Özlem Kurt Azap, Maria Souli, Emmanuel Roilides, Spyros Poumaras, Murat Akova, Federico Pérez, Joaquín Bermejo, Antonio Oliver, Manel Almela, Warren Lowman, Benito Almirante, Robert A. Bonomo, Yehuda Carmeli, David L. Paterson, Alvaro Pascual, and Jesús Rodríguez-Baño, Investigators from the REIPI/ESGBIS/INCREMENT Group

These authors developed an easy-to-calculate predictive score for early mortality for use in patients with bloodstream infection due to carbapenemase-producing Enterobacteriaceae.

1372 Diet Quality and Mortality Risk in Metabolically Obese Normal-Weight Adults
Yong-Moon Mark Park, Teresa T. Fung, Susan E. Steck, Jiajia Zhang, Linda J. Hazlett, Kyungdo Han,
Seung-Hwan Lee, and Anwar T. Merchant

High diet quality is associated with a lower risk of all-cause, cardiovascular disease, and possibly cancer mortality in normal-weight individuals with metabolic abnormalities.

Survival, Risk Factors, and Effect of Treatment in 101 Patients With Calciphylaxis

James T. McCarthy, Rokea A. el-Azhary, Michelle T. Patzelt, Amy L. Weaver, Robert C. Albright, Alina D. Bridges,

Paul L. Claus, Mark D.P. Davis, John J. Dillon, Ziad M. El-Zoghby, LaTonya J. Hickson, Rajiv Kumar,

Robert D. McBane, Kathleen A.M. McCarthy-Fruin, Marian T. McEvoy, Mark R. Pittelkow, David A. Wetter,

and Amy W. Williams

Calciphylaxis is associated with a high mortality rate. Over the last 15 years, multimodal treatment regimens appear to have helped improve survival of these patients.

1395 Calciphylaxis: A Disease of Pannicular Thrombosis

Rokea A. el-Azhary, Michelle T. Patzelt, Robert D. McBane, Amy L. Weaver, Robert C. Albright, Alina D. Bridges, Paul L. Claus, Mark D.P. Davis, John J. Dillon, Ziad M. El-Zoghby, LaTonya J. Hickson, Rajiv Kumar, Kathleen A.M. McCarthy-Fruin, Marian T. McEvoy, Mark R. Pittelkow, David A. Wetter, Amy W. Williams, and James T. McCarthy

Patients with calciphylaxis have a surprisingly high prevalence of either congenital or acquired thrombophilias. Identifying a strong thrombophilia may have therapeutic implications, including the addition of an anticoagulant to the patient's regimen.

1403 Serum Potassium, Mortality, and Kidney Outcomes in the Atherosclerosis Risk in Communities Study

Yan Chen, Alex R. Chang, Mara A. McAdams DeMarco, Lesley A. Inker, Kunihiro Matsushita, Shoshana H. Ballew, losef Coresh, and Morgan E. Grams

These authors tested the interaction of serum potassium with the use of certain classes of potassium-influencing medications and adverse outcomes.

### Reviews

1413 Antithrombotic Approaches in Acute Coronary Syndromes: Optimizing Benefit vs Bleeding Risks Mandeep Singh, Deepak L. Bhatt, Gregg W. Stone, Charanjit S. Rihal, Bernard J. Gersh, Ryan J. Lennon, Jagat Narula, and Valentin Fuster

Cor

Ple

Re:

e13

Sy 14:

M:

Pa el

A

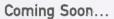
tinued

Number 10

Continued

# Other Features

43A Professional Opportunities



The Many Faces of Sudden Death

Increasing Incidence of Melanoma Among the Elderly

Accelerated Accumulation of Multimorbidity Following Bilateral Oophorectomy

The Promise and Peril of Precision Medicine: Phenotyping Still Matters Most

Myocardial Fibrosis in Athletes

Benzodiazepine Use in Older Adults

Adult Acute Lymphoblastic Leukemia

Facial Nerve Schwannomas

Physical Activity and Cognitive Function in Middle-aged and Older Adults

# 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 "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 Mayo Clinic Proceedings Customer Service, 3251 Riverport Lane, Maryland Heights, MO 63043.



is 2016 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.

For ICS Imj

CON • BF

. V

• BF th Ple Ple adv

W