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- Addressing the Needs of International Patients at End of Life in a Tertiary Care Medical Center Kevin J. Whitford, Stephanie L. Hines, Mohamad Bydon, and David L. Hayes
- 1700 The Impact of Mediators of Health Literacy on Clinical Outcomes in Cardiovascular Diseases
  Hector O. Ventura and Ileana L. Piña
- 1703 Current, Emerging, and Anticipated Therapies for Sickle Cell Disease
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## **Original Articles**

1707 Electronic Algorithm Is Superior to Hospital Discharge Codes for Diagnoses of Hypertensive Disorders of Pregnancy in Historical Cohorts

Natasa M. Milic, Elisabeth Codsi, Yvonne S. Butler Tobah, Wendy M. White, Andrea G. Kattah, Tracey L. Weissgerber, Mie Saiki, Santosh Parashuram, Lisa E. Vaughan, Amy L. Weaver, Marko Savic, Michelle M. Mielke, and Vesna D. Garovic

This electronic tool will facilitate future epidemiological studies of long-term hypertensive disorders of pregnancy outcomes by correctly assigning both the diagnosis and the type of disorder in women with serial blood pressure measurements.

- 1720 End-of-Life Care for Seriously III International Patients at a Global Destination Medical Center

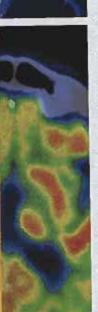
  Daniel K. Partain, Justin J. Sanders, Richard E. Leiter, Elise C. Carey, and Jacob J. Strand

  This study provides a key first step in understanding the experience of seriously ill international patients and explores the ethical considerations providers and hospital systems face when caring for this unique population.
- 1728 Health Literacy and 1-Year Mortality: Mechanisms of Association in Adults Hospitalized for Cardiovascular Disease

Lindsay S. Mayberry, Jonathan S. Schildcrout, Kenneth A. Wallston, Kathryn Goggins, Amanda S. Mixon, Russell L. Rothman, and Sunil Kripalani, for the Vanderbilt Inpatient Cohort Study

Identification of adults with limited health literacy can be a first step to providing tailored interventions to prevent poor outcomes.







Pharmacologic Treatment of Intensive Care Unit Delirium and the Impact on Duration of Delirium, Length of Intensive Care Unit Stay, Length of Hospitalization, and 28-Day Mortality Lisa M. Daniels, Sarah B. Nelson, Ryan D. Frank, and John G. Park

Treatment of intensive care unit delirium with melatonin or antipsychotic agents was not associated with a reduction in duration of delirium, length stay/hospitalization, or 28-day mortality.

1749 Limited Osteoporosis Screening Effectiveness Due to Low Treatment Rates in a National Sample of Older Men

Cathleen S. Colón-Emeric, Carl F. Pieper, Courtney H. Van Houtven, Janet M. Grubber, Kenneth W. Lyles, Joanne Lafleur, and Robert A. Adler

Although dual-energy x-ray absorptiometry testing in high-risk subgroups of men is associated with clinically important reductions in fractures, testing across the entire Veterans Affairs population was not associated with decreased fractures because of low treatment initiation and adherence rates.

1760 Improvement in Mortality and End-Stage Renal Disease in Patients With Type 2 Diabetes After Acute Kidney Injury Who Are Prescribed Dipeptidyl Peptidase-4 Inhibitors

Cheng-Yi Chen, Vin-Cent Wu, Cheng-Jui Lin, Chih-Sheng Lin, Chi-Feng Pan, Han-Hsiang Chen, Yu-Feng Lin, Tao-Min Huang, Likwang Chen, and Chih-Jen Wu, for the National Taiwan University Study Group on Acute Renal Failure

Dipeptidyl peptidase-4 inhibitor users had a lower risk of end-stage renal disease and mortality than did nonusers among patients with diabetes after weaning from dialysis-requiring acute kidney injury.

1775 Various Leisure-Time Physical Activities Associated With Widely Divergent Life Expectancies: The Copenhagen City Heart Study

Peter Schnohr, James H. O'Keefe, Andreas Holtermann, Carl J. Lavie, Peter Lange, Gorm Boje Jensen, and Jacob Louis Marott

Leisure-time sports that involve more social interaction were associated with the best longevity. The smallest improvement in life expectancy was noted in people who predominantly did health club activities.

- 1786 Time Trends in Outcomes After Aneurysmal Subarachnoid Hemorrhage Over the Past 30 Years
  Biagia La Pira, Tarun D. Singh, Alejandro A. Rabinstein, and Giuseppe Lanzino
  Outcomes in patients with aneurysmal subarachnoid hemorrhage have markedly improved over the past 3 decades, in terms of both in-hospital survival and functional recovery of survivors.
- New-Onset Diabetes and Preexisting Diabetes Are Associated With Comparable Reduction in Long-Term Survival After Liver Transplant: A Machine Learning Approach

  Venkat Bhat, Mahmood Tazari, Kymberly D. Watt, and Mamatha Bhat

  Sirolimus use increased the risk of new-onset diabetes by 33% after liver transplant as compared with tacrolimus-based immunosuppression.

## **Brief Report**

1803 Association of Low Urinary Sodium Excretion With Increased Risk of Stroke
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Michel M. Joosten, and Stephan J.L. Bakker

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- 1825 Supraventricular Arrhythmias: Clinical Framework and Common Scenarios for the Internist Christopher V. DeSimone, Niyada Naksuk, and Samuel J. Asirvatham

### Concise Review for Clinicians—CME Credit Offered

1842 Medical Cannabis Jon O. Ebbert, Eugene L. Scharf, and Ryan T. Hurt 🚯

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

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- 35-Year-Old Man With Episodic Fever and Cough Kristyn L. Lewis, Sheetal Patel, and Jose Valery
- 1853 57-Year-Old Man With Atypical Chest Pain Brody D. Slostad and Nandan S. Anavekar
- e125 79-Year-Old Man With Shortness of Breath and Fevers Jaskanwal D. Sara, Megha Prasad, and Suraj Kapa 🐽

# Thematic Review Series on Gastroenterological Diseases—CME Credit Offered

Management Options for Irritable Bowel Syndrome Michael Camilleri

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- Validity of Mobile-Based Technology vs Direct Observation in Measuring Number of Steps and Distance Walked in 6 Minutes Joshita Poojary, Esha Arora, Alisha Britto, Zahra Polen, Ross Arena, and Abraham Samuel Babu
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1881 Solitary Fibrous Tumor: A Giant Pleural Mass Federica De Giacomi and Narat Srivali

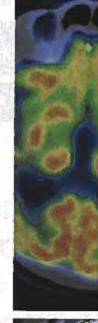
# Path to Patient Image Quiz

Intracholecystic Papillary-Tubular Neoplasm of the Gallbladder Saba Yasır and Lori A. Enckson

## Art at Mayo Clinic

e131 Immaculate Conception of Los Venerables by Bartolomé Estaban Murillo Margaret R. Wentz









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## Coming Soon...

**Exceptional Human Longevity** 

Genomics as Advanced Fortune Teller

Biomarkers to Distinguish Risk in Prostate Cancer

Reconciling Opportunistic and Population Screening in Clinical Genomics

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Treatment of Temporomandibular Dysfunction

Electroacupuncture vs Pelvic Floor Muscle Training Plus Solifenacin for Women With Mixed Urinary Incontinence

### 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.



Supplemental material accompanies this article at www.mayoclinicproceedings.org.



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