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## Original Articles

- 1718 Macrovascular Thrombotic Events in a Mayo Clinic Enterprise-Wide Sample of Hospitalized COVID-19–Positive Compared With COVID-19–Negative Patients**  
*Rahul Chaudhary, Leslie Padmos, Ewa Wysokinska, Rajiv Pruthi, Sanjay Misra, Meera Sridharan, Waldemar Wysokinski, Robert D. McBane II, and Damon E. Houghton*  
 Early experience with COVID-19 patients across multiple academic and regional hospitals representing different US regions demonstrates a lower incidence of thrombotic events than previously reported.
- 1727 Inability of Radioiodine Remnant Ablation to Improve Postoperative Outcome in Adult Patients With Low-Risk Papillary Thyroid Carcinoma**  
*Ian D. Hay, Suneetha Kaggal, Nicole M. Iniguez-Aniza, Megan S. Reinalda, Gregory A. Wiseman, and Geoffrey B. Thompson*  
 Radioiodine remnant ablation administered to low-risk adult papillary thyroid carcinoma patients during 1955-2014 did not reduce either the cause-specific mortality or tumor recurrence rate.
- 1746 Genetic Risk, Muscle Strength, and Incident Stroke: Findings From the UK Biobank Study**  
*Youngwon Kim, Semi Hwang, Stephen J. Sharp, Shan Luo, Shiu Lun Au Yeung, and Craig C. Teerlink*   
 Higher muscle strength was associated with lower stroke incidence in all individuals, including those with high genetic susceptibility.
- 1758 Alcohol Consumption Levels as Compared With Drinking Habits in Predicting All-Cause Mortality and Cause-Specific Mortality in Current Drinkers**  
*Hao Ma, Xiang Li, Tao Zhou, Dianjianyi Sun, Iris Shai, Yoriko Heianza, Eric B. Rimm, JoAnn E. Manson, and Lu Qi*   
 Healthy drinking habits (regular drinking and drinking with meal) were associated with lower risks of all-cause mortality and cause-specific mortality independent of amount of alcohol consumed.
- 1770 Geographic Variation in Cardiovascular Health Among American Adults**  
*Vibhu Parcha, Rajat Kalra, Sarabjeet S. Suri, Gargya Malla, Thomas J. Wang, Garima Arora, and Pankaj Arora*    
 An urgent unmet need exists to mitigate the geographic disparities in cardiovascular morbidity and mortality.
- 1782 Post–COVID-19 Syndrome (Long Haul Syndrome): Description of a Multidisciplinary Clinic at Mayo Clinic and Characteristics of the Initial Patient Cohort**  
*Greg Vanichkachorn, Richard Newcomb, Clayton T. Cowl, M. Hassan Murad, Laura Breeher, Sara Miller, Michael Trenary, Daniel Neveau, and Steven Higgins*   
 Symptoms including mood disorders, fatigue, and perceived cognitive impairment resulted in severe negative impacts on resumption of functional and occupational activities in patients experiencing prolonged effects.
- 1792 Combined Effects of Masking and Distance on Aerosol Exposure Potential**  
*Jonathan R. Tomshine, Kendall D. Dennis, Russell E. Bruhnke, James H. Christensen, Tom G. Halvorsen, Christopher J. Hogan Jr., John C. O'Horo, Laura E. Breeher, Matthew R. Callstrom, and Mark B. Wehde*   
 At 3- feet of separation, if the source (or both source and target) are masked, the reduction in particle count is  $\geq 99.5\%$ .
- 1801 Frequently Reported Adverse Events With Smoking Cessation Medications: Post Hoc Analysis of a Randomized Trial**  
*Jon Ebbert, Carlos Jimenez-Ruiz, Michael P. Dutro, Matt Fisher, Jing Li, and J. Taylor Hays*    
 Most adverse events are not clinically important, and prescribers can reassure patients that those experienced will be manageable.


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- 1812 Relative Predictive Value of Circulating Immune Markers in US Adults Without Cardiovascular Disease: Implications for Risk Reclassification**  
*Kartik Gupta, Rajat Kalra, Mike Pate, Shivaraj Nagalli, Sameer Ather, Indranee Rajapreyar, Pankaj Arora, Ankur Gupta, Wunan Zhou, Raul San Jose Estepar, Marcelo Di Carli, Sumanth D. Prabhu, and Navkaranbir S. Bajaj* 
- The monocyte-lymphocyte ratio had greater prognostic importance than traditional cardiovascular risk factors such as race, smoking status, high-density lipoprotein level, and total cholesterol concentration.
- 1822 Prognostic Value of Cardiac Magnetic Resonance Imaging in Acute Coronary Syndrome Patients With Troponin Elevation and Nonobstructive Coronary Arteries**  
*Sushil Allen Luis, Chris R. Luis, Mohsen Habibian, Myo T. Lwin, Tahlia C. Gadowski, Jonathan Chan, Christian Hamilton-Craig, and Owen Christopher Raffel* 
- Cardiac magnetic resonance imaging carries a high diagnostic yield in patients with myocardial infarction with non-obstructive coronary arteries and predicts long-term prognosis.
- 1835 Cost Effectiveness of an Electrocardiographic Deep Learning Algorithm to Detect Asymptomatic Left Ventricular Dysfunction**  
*Andrew S. Tseng, Viengneesee Thao, Bijan J. Borah, Itzhak Zachi Attia, Jose Medina Inojosa, Suraj Kapa, Rickey E. Carter, Paul A. Friedman, Francisco Lopez-Jimenez, Xiaoxi Yao, and Peter A. Noseworthy* 
- Universal screening for asymptomatic left ventricular dysfunction with the novel artificial intelligence electrocardiogram algorithm appears to be cost-effective under most clinical scenarios, with a cost of <\$50,000 per quality-adjusted life-year.
- 1845 Sex Differences in Outcomes Following Left Atrial Appendage Closure**  
*Shubrandu S. Sanjoy, Yun-Hee Choi, Robert T. Sparrow, Suzanne J. Baron, J. Dawn Abbott, Lorenzo Azzalini, David R. Holmes, M. Chadi Alraies, Nikolaos Tzemos, Diana Ayan, Mamas A. Mamas, and Rodrigo Bagur* 
- Women had higher rates of in-hospital adverse events following left atrial appendage closure than men did.
- 1861 Janus Kinase Inhibitors and Risk of Venous Thromboembolism: A Systematic Review and Meta-analysis**  
*Jawad Bilal, Irbaz Bin Riaz, Syed Arsalan Ahmed Naqvi, Sandipan Bhattacharjee, Michelle R. Obert, Maryam Sadiq, Mohamed A. Abd El Aziz, Yahya Nooman, Lary J. Prokop, Long Ge, Mohammad H. Murad, Alan H. Bryce, Robert D. McBane, and C. Kent Kwok* 
- The results of this study are reassuring and support a favorable benefit/risk profile of JAK inhibitors in the short term.
- 1874 Sex Differences in Children and Young Adults With Bicuspid Aortic Valve Disease in First Two Decades of Life**  
*Talha Niaz, Jonathan N. Johnson, Frank Cetta, Joseph T. Poterucha, and Donald J. Hagler* 
- Males have a higher grade of aortic regurgitation in late adolescence, significantly larger aortic dimensions, and more frequent sinus of Valsalva dilation as compared with females.

### Medical Image

- 1888 Multiple Giant Coronary Artery Aneurysms in Kawasaki Disease**  
*Ryohei Ono and Nobuhiro Umehara* 

### Special Articles

- 1890 Quantifying the Importance of COVID-19 Vaccination to Our Future Outlook**  
*Curtis B. Storie, Benjamin D. Pollock, Ricardo L. Rojas, Gabriel O. Demuth, Patrick W. Johnson, Patrick M. Wilson, Ethan P. Heinzen, Hongfang Liu, Rickey E. Carter, Elizabeth B. Habermann, Daryl J. Kor, Matthew R. Neville, Andrew H. Limper, Katherine H. Noe, Mohamad Bydon, Pablo Moreno Franco, Priya Sampathkumar, Nilay D. Shah, Shannon M. Dunlay, and Sean C. Dowdy* 

**1896 Trust-Based Partnerships Are Essential — and Achievable — in Health Care Service***Leonard L. Berry, Rana L.A. Awdish, Sunjay Letchuman, and Karina Dahl Steffensen***Reviews****1907 COVID-19 Gender Disparities and Mitigation Recommendations: A Narrative Review***Hannah C. Nordhues, Anjali Bhagra, Natya N. Stroud, Jennifer A. Vencill, and Carol L. Kuhle***1921 The Management of Restless Legs Syndrome: An Updated Algorithm***Michael H. Silber, Mark J. Buchfuhrer, Christopher J. Earley, Brian B. Koo, Mauro Manconi, and John W. Winkelman; for the Scientific and Medical Advisory Board of the Restless Legs Syndrome Foundation***Residents' Clinics****1938 74-Year-Old Woman With Fatigue, Anorexia, and Abdominal Pain***Grant A. Wintheiser and Wil L. Santivasi***1944 44-Year-Old Man With Fatigue, Weight Loss, and Leukocytosis***Caleb J. Smith, Glenn Stewart, and Kebede Begna***1949 67-Year-Old Man With Fatigue, Lightheadedness, and Erythrocytosis***Glenn A. Stewart, Caleb J. Smith, and Eli Mughtar***Thematic Review on Women's Health—CME Credit Offered****1955 Sex, Cells, and Asthma***Sergio E. Chiarella, Juan Carlos Cardet, and Y.S. Prakash***Thematic Review on Neurovascular Diseases****1970 Diagnosis and Treatment of Unruptured Intracranial Aneurysms and Aneurysmal Subarachnoid Hemorrhage***Rabih G. Tawk, Tasneem F. Hasan, Caitlin E. D'Souza, Jeffrey B. Peel, and William D. Freeman***Medical Image****2001 Corneal Epitheliopathy Associated With Antibody-Drug Conjugates***Sanjay V. Patel and Lauren A. Dalvin***Letters to the Editor****2003 Seeking Joy in Medicine During Uncertain Times: COVID-19 and Social Unrest***Rahma Warsame and Katharine A. Price***2003 An Undifferentiated Spell: The Answer is in The Pillbox***Stuart J. McCarter, David N. Abarbanel, Anhar Hassan, Erik K. St Louis, and Christopher J. Boes***2005 Devastating Neurological Injury as a Result of Treatment of "Chronic Lyme Disease"***Sarah Frankl, Peter N. Hadar, Aleksandra Yakhkind, Adam Edward Lang, and Danielle K. Sandsmark*

**Path to Patient Image Quiz**

**2008 Anaplastic Thyroid Carcinoma**  
Lori A. Erickson





**Stamp Vignette**

**2012 Albin Lambotte: Pioneer of Osteosynthesis (Bone Fixation)**  
Ahmadreza Afshar, David P. Steensma, and Robert A. Kyle


**Art at Mayo Clinic**

**2014 Untitled by Alicia LaChance**  
Margaret R. Wentz

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