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- Adipose tissue inflammation is likely responsible for the distinctive pattern of cardiovascular disorders in psoriasis. To be effective, interventions need to be such that alleviate systemic and localized inflammations; these may also have favorable effects on the severity of psoriasis.*

- 273 **Pain Neurology**
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- Pain is the most common complaint for which patients seek an emergency medical evaluation. Understanding the neurologic basis of pain is of paramount importance in establishing a diagnosis and treatment plan. Management of chronic pain often requires a multidisciplinary approach.*
- 281 **What Patients With Idiopathic Pulmonary Fibrosis and Caregivers Want: Filling the Gaps With Patient Reported Outcomes and Experience Measures**
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- Patients with idiopathic pulmonary fibrosis have several unmet needs in all domains of health. A clear understanding of the patient care pathway is paramount to implement patient-centered health care. Patient-reported experiences and outcomes can help fill gaps in their care.*
- 290 **Strategies of Unloading the Failing Heart from Metabolic Stress**
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- In obese patients with diabetes, excess nutrient supply to the heart activates complex molecular mechanisms that lead to metabolic distress and inflammation. Metabolic unloading of the heart can restore homeostasis and improve cardiac function.*



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Anoop N. Koshy, Garry Hamilton, James Theuerle, Andrew W. Teh, Hui-Chen Han, Paul J. Gow, Han S. Lim, Vincent Thijs, and Omar Farouque

New postoperative atrial fibrillation following noncardiac surgery was associated with an increase in stroke risk. Risk was highest among patients undergoing nonthoracic noncardiac surgery. Whether anticoagulation can mitigate stroke risk in patients with postoperative atrial fibrillation warrants further study.

- 323 **Effectiveness of Inferior Vena Cava Filters in Patients With Stable and Unstable Pulmonary Embolism and Trends in Their Use**
Paul D. Stein, Fadi Matta, and Mary J. Hughes

Despite the fact that mortality is markedly reduced in unstable patients who receive an IVC filter, the proportion of unstable patients who receive an IVC filter is decreasing. IVC filters continue to be inserted in large numbers of stable patients, even though there is scant evidence of clinically meaningful reduced mortality in these patients.

- 331 **Fifteen-Year Trends of Cardiogenic Shock and Mortality in Patients with Diabetes and Acute Coronary Syndromes**
Marco Dauriz, Nuccia Morici, Lucio Gonzini, Donata Lucci, Antonio Di Chiara, Alessandro Boccanelli, Zoran Olivari, Gianni Casella, Leonardo De Luca, Pierluigi Temporelli, Stefano De Servi, Enzo Bonora, and Stefano Savonitto

Despite significant mortality reductions in acute coronary syndromes observed over 15 years, patients with diabetes and acute coronary syndromes continue to show higher rates of cardiogenic shock and lower revascularization rates when compared with patients without diabetes. This may help explain the higher mortality of these patients.

- 340 **Neighborhood-Level Analysis on the Impact of Accessibility to Fast Food and Open Green Spaces on the Prevalence of Obesity**
Evangelia K. Mylona, Fadi Shehadeh, Elvira Fleury, Markos Kalligeros, and Eleftherios Mylonakis

There is a growing body of evidence that environmental factors can affect the health of a neighborhood. In this study, obesity was more pronounced in neighborhoods with higher accessibility to fast food, while access to green space areas was associated with decreased neighborhood obesity rates.

- 347 **Does Ivabradine Decrease Cardiovascular Deaths in Heart Failure Patients?**
Thomas A. Marciniak, Dan Atar, and Victor Serebruany

Ivabradine reduces cardiovascular mortality in heart failure patients taking loop diuretics. This interaction highlights the association of loop diuretics with cardiovascular mortality. Monitoring for adverse effects such as hypokalemia is advisable.

- 352 **New-Onset Atrial Fibrillation Among Patients With Infection in the Emergency Department: A Multicenter Cohort Study of 1-Year Stroke Risk**
Tobias Graversgaard Hansen, Anton Pottegård, Axel Brandes, Ulf Ekelund, Helene Kildegaard Jensen, Jakob Lundager Forberg, Mikkel Brabrand, and Annmarie Touborg Lassen

Patients presenting to the Emergency Department with infection and new onset atrial fibrillation without current oral anticoagulant therapy faced 1-year stroke risk; but risk was not significantly increased compared to infected patients without atrial fibrillation. Stroke events were mainly related to identifiable risk factors.

- 360 **The Effect of Preexisting Anticoagulation on Cerebrovascular Events in Left-Sided Infective Endocarditis**
Kyle A. Davis, Glen Huang, S. Allan Petty, Walter A. Tan, Diego Malaver, and James E. Peacock Jr, MD

Preexisting anticoagulation did not appear to have an effect on stroke, hemorrhage, or mortality in patients with left-sided infective endocarditis. Continuation of anticoagulation should be considered in patients with left-sided infective endocarditis in the absence of other contraindications.

- 370 **CA125-Guided Diuretic Treatment Versus Usual Care in Patients With Acute Heart Failure and Renal Dysfunction**
Julio Núñez, Pau Llàcer, Sergio García-Blas, Clara Bonanad, Silvia Ventura, José María Núñez, Ruth Sánchez, Lorenzo Fácila, Rafael de la Espriella, Juana María Vaquer, Alberto Cordero, Mercè Roqué, Carlos Chamorro, Vicent Bodí, Ernesto Valero, Enrique Santas, María del Carmen Moreno, Gema Miñana, Arturo Carratalá, Enrique Rodríguez, Anna Mollar, Patricia Palau, María José Bosch, Vicente Bertomeu-González, Josep Lupón, Jorge Navarro, Francisco J. Chorro, Jose L. Górriz, Juan Sanchis, Adriaan A. Voors, and Antoni Bayés-Genís

In patients with acute heart failure and renal dysfunction, CA125-guided diuretic therapy had no effect on estimated glomerular filtration rate at 24 hours but resulted in better renal performance at 72 hours and 30 days. Further study is needed to confirm the utility of CA125 for tailoring decongestive treatment for acute heart failure.

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- e87 **Establishing and Maintaining Research Integrity at Academic Institutions: Challenges and Opportunities**
Janet D. Robishaw, David L. DeMets, Sarah K. Wood, Phillip M. Boiselle, and Charles H. Hennekens

To achieve and maintain public trust, medical researchers must achieve and maintain research integrity. Research misconduct represents a clear and present danger to academic institutions. Our common goal should be to return public trust in our research enterprise that has provided benefit for so many.

- e91 Chronic Chikungunya Arthritis and Rheumatoid Arthritis: What They Have in Common**
J. Kennedy Amaral, Joshua B. Bilborrow, and Robert T. Schoen

Following chikungunya virus infection, a significant proportion of patients develop chronic chikungunya arthritis, which can resemble rheumatoid arthritis. An understanding of the parallels and differences between chronic chikungunya arthritis and rheumatoid arthritis may offer insights into diagnosis and treatment of both diseases.

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