



# MAYO CLINIC PROCEEDINGS

## Innovations, Quality & Outcomes

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The December issue of *MCP:IQO* will be available by Friday, November 22.  
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### Original Articles

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*Andrea Maugeri, Jose R. Medina-Inojosa, Sarka Kunzova, Martina Barchitta, Antonella Agodi, Manlio Vinciguerra, and Francisco Lopez-Jimenez*
- Comparisons between the characteristics of dog owners and of people who owned pets other than dogs, or no pets at all, in a random urban sample population in Central Europe, found that, with the exception of smoking, dog owners were more likely to achieve the recommended level of behavioral cardiovascular health (CVH) metrics.
- 276**    **Opioid-Induced Hypogonadism in the United States**  
*Jacques Baillargeon, Mukaila A. Raji, Randall J. Urban, David S. Lopez, Stephen B. Williams, Jordan R. Westra, and Yong-Fang Kuo*
- In this retrospective large-cohort study which used administrative health data, prolonged use of opioids was associated with increased rates of screening, diagnosis, and treatment for opioid-induced hypogonadism compared to short-term use of opioids. However, these rates were much lower than expected based on prior studies that examined serum testosterone levels in patient receiving long-term opioid therapy, suggesting that opioid-induced hypogonadism is currently underdiagnosed and undertreated.
- 285**    **Preoperative Factors Predicting Admission to the Intensive Care Unit After Kidney Transplantation**  
*Nitin Abrol, Rahul Kashyap, Ryan D. Frank, Vivek N. Iyer, Patrick G. Dean, Mark D. Stegall, Mikel Prieto, Kianoush B. Kashani, and Timucin Taner*
- This single-center, retrospective study of consecutive kidney transplant recipients reports that patients with advanced age and higher body mass index (BMI), and those who are transplanted while on dialysis or with a deceased donor kidney, are more likely to be admitted to intensive care unit (ICU) after transplantation.

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- 294**    **Effects of Sugammadex on Time of First Postoperative Bowel Movement: A Retrospective Analysis**  
*Atousa Deljou, Darrell R. Schroeder, Beth A. Ballinger, Juraj Sprung, and Toby N. Weingarten*  
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- 302**    **A Practical Guideline for Hepatocellular Carcinoma Screening in Patients at Risk**  
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- 311**    **Balloon Pulmonary Angioplasty for Chronic Thromboembolic Pulmonary Hypertension: Initial Single-Center Experience**  
*Vidhu Anand, Robert P. Frantz, Hilary DuBrock, Garvan C. Kane, Michael Krowka, Ryoji Yanagisawa, and Gurpreet S. Sandhu*  
This study of a North American cohort confirms that balloon pulmonary angioplasty with contemporary technique is an acceptably safe and effective treatment option for patients with inoperable or residual post-endarterectomy chronic thromboembolic pulmonary hypertension.
- 319**    **Mayo Clinic Registry of Operational Tasks (ROOT): A Paradigm Shift in Electronic Health Record Implementation Evaluation**  
*Richard Helmers, Bradley N. Doebbeling, David Kaufman, Adela Grando, Karl Poterack, Stephanie Furniss, Matthew Burton, and Timothy Miksch*  
The Mayo Clinic Registry of Operations and Tasks (ROOT) project was developed to capture and archive the effects of conversion to a new electronic medical record (EMR) on health information technology (HIT)-mediated workflows in a large multispecialty practice. The mixed-method approach described here may be a model for capturing important information on using EHRs to improve patient care.
- 327**    **Improving Diagnostic Fidelity: An Approach to Standardizing the Process in Patients With Emerging Critical Illness**  
*Namita Jayaprakash, Junemeo Chae, Moldovan Sabov, Sandhya Samavedam, Ognjen Gajic, and Brian W. Pickering*   
Using a standard operating procedure applied to electronic medical records, this retrospective observational study at Mayo Clinic determined that diagnostic errors or delays can be reliably identified and are associated with higher comorbidity burden and increased mortality in patients with emerging critical illness.
- 335**    **Identifying Patterns of Adverse Events of Solid Organ Transplantation Through Departmental Case Reviews**  
*Amit K. Mathur, Cynthia Stemper-Bartkus, Kevin Engholdt, Andrea Thorp, Melissa Dosmann, Hasan Khamash, Kunam S. Reddy, Bashar Aqel, Adyr Moss, Harini Chakkerla, D. Eric Steidley, Octavio Pajaro, Sadia Shah, Elizabeth J. Oakley, and David Douglas*  
Based on retrospective review of a prospectively maintained transplant center quality portfolio, the authors recommend the departmental case review (DCR) method as a robust approach to adverse event review in transplant patients. DCR has several advantages over traditional mortality and morbidity (M&M) conferences, as well as the capacity to result in rapid, tangible changes in transplant care.
- 344**    **Assessment of a Hospital-Wide CIWA-Ar Protocol for Management of Alcohol Withdrawal Syndrome**  
*Arineh Melkonian, Reenal Patel, Albert Magh, Sampson Fern, and Calvin Hwang*  
The findings of this cohort study suggest that implementation of a hospital-wide symptom-based alcohol withdrawal protocol in the form of a computerized physician order entry set may result in significant improvements to patient safety and operational efficiency and may reduce the cost of in-hospital care.



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## Coming Soon...

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**Improving Physical Activity and Body Composition in a Medical Workplace Using Brief Goal Setting**

**Use of Complementary and Integrative Therapies by Fibromyalgia Patients: A 14-year Follow-up Study**

**Preliminary Normative Standards of the Mayo Clinic Esophagectomy CONDUIT Tool**

**Developing a Patient-Centered Journey Map Using Mixed Methods**

## Icon Key

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 This article has been given "Editor's Choice" distinction.

 Supplemental material accompanies this article at [www.mcpiqjournal.org](http://www.mcpiqjournal.org).



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