

# Ochsner Journal

Volume 19 • Number 4 • Winter 2019

**Ronald G. Amedee, MD, FACS**

Editor-in-Chief

Ochsner Clinic Foundation, New Orleans, LA, USA  
The University of Queensland Faculty of Medicine, Ochsner Clinical School, New Orleans, LA, USA

**Jeffrey Burton, PhD**

Ochsner Clinic Foundation, New Orleans, LA, USA

**Catherine Staffeld-Coit, MD**

Ochsner Clinic Foundation, New Orleans, LA, USA  
The University of Queensland Faculty of Medicine, Ochsner Clinical School, New Orleans, LA, USA

**Julia L. Cook, PhD, FAHA**

Ochsner Clinic Foundation, New Orleans, LA, USA

**Mark Effron, MD, FACC, FAHA, FCCP**

Ochsner Clinic Foundation, New Orleans, LA  
The University of Queensland Faculty of Medicine, Ochsner Clinical School, New Orleans, LA, USA

**Diann Eley, MSc, PhD**

The University of Queensland Faculty of Medicine, Herston, Queensland, Australia

**Michael Friel, MD**

Ochsner Clinic Foundation, New Orleans, LA  
The University of Queensland Faculty of Medicine, Ochsner Clinical School, New Orleans, LA, USA

**Carl J. Lavie, MD, FACC, FACP, FCCP**

Ochsner Clinic Foundation, New Orleans, LA, USA  
The University of Queensland Faculty of Medicine, Ochsner Clinical School, New Orleans, LA, USA

**Sherri Longo, MD**

Ochsner Clinic Foundation, New Orleans, LA, USA  
The University of Queensland Faculty of Medicine, Ochsner Clinical School, New Orleans, LA, USA

**Shelly Monks, MBA, FACHE**

Ochsner Clinic Foundation, New Orleans, LA, USA

**Eboni Price-Haywood, MD, MPH, FACP**

Ochsner Clinic Foundation, New Orleans, LA, USA  
The University of Queensland Faculty of Medicine, Ochsner Clinical School, New Orleans, LA, USA

**Robert Quinet, MD**

Ochsner Clinic Foundation, New Orleans, LA, USA  
The University of Queensland Faculty of Medicine, Ochsner Clinical School, New Orleans, LA, USA

**Richard N. Re, MD, FACP, FAHA**

Ochsner Clinic Foundation, New Orleans, LA, USA

**William S. Richardson, MD, FACS**

Ochsner Clinic Foundation, New Orleans, LA, USA

**Adam I. Riker, MD, FACS**

Louisiana State University Health Sciences Center, New Orleans, LA, USA

**Leonardo Seoane, MD, FACP, FCCP**

Ochsner Clinic Foundation, New Orleans, LA, USA  
The University of Queensland Faculty of Medicine, Ochsner Clinical School, New Orleans, LA, USA

**Robin B. Stedman, MD, MPH**

Ochsner Clinic Foundation, New Orleans, LA, USA  
The University of Queensland Faculty of Medicine, Ochsner Clinical School, New Orleans, LA, USA

**Rajasekharan P. Warriar, MD, DCH, FIAP**

Ochsner Clinic Foundation, New Orleans, LA, USA  
The University of Queensland Faculty of Medicine, Ochsner Clinical School, New Orleans, LA, USA

**Editors Emeriti****David E. Beck, MD, FACS, FASCRS**

Ochsner Clinic Foundation, New Orleans, LA, USA  
The University of Queensland Faculty of Medicine, Ochsner Clinical School, New Orleans, LA, USA

**Robert Perrillo, MD**

Baylor University Medical Center, Dallas, TX, USA

**William Pinsky, MD, FAAP, FACC**

Educational Commission for Foreign Medical Graduates, Philadelphia, PA, USA

*Ochsner Journal is published quarterly in support of Ochsner's mission to serve, heal, lead, educate, and innovate.*

© 2019 Ochsner Journal is published by the Academic Division of Ochsner Clinic Foundation

1514 Jefferson Hwy.  
New Orleans, LA 70121-2429

**Direct all correspondence and subscription inquiries to:**

Publishing Services  
Ochsner Clinic Foundation  
Center for Academic Excellence - 1514 Jefferson Hwy.  
New Orleans, LA 70121-2429

Email: [ocjournal@ochsner.org](mailto:ocjournal@ochsner.org)

Tel: (504) 842-3761

Fax: (504) 842-5137

ISSN 1524-5012

**Editorial Staff****Kathleen McFadden, MA**

Managing Editor

**Camille Barnett**

Editorial Assistant

**Catherine DeBuys**

Editorial Assistant