

# Embolization Therapies

**U**terine fibroid embolization has become a significant endovascular procedure, offering patients an important less invasive alternative to hysterectomy and myomectomy. It highlights the importance of embolotherapy as an important endovascular technique with broad applications. Robert L. Worthington-Kirsch, MD, opens our feature content with an overview of his experience using embolization to treat uterine fibroids. He stresses that it is important to remember that not all embolic agents are alike despite their seeming similar appearances and handling characteristics. Robert I. White, Jr, MD, educates us on the technical considerations regarding embolotherapy in treating pulmonary arteriovenous malformations. David Fiorella, MD, PhD; Michael E. Kelly, MD; Raymond D. Turner IV, MD; and Pedro Lylyk, MD comprehensively discuss the current devices, techniques, and future device development for successful endovascular treatment of cerebral aneurysms.

Eric J. Gandras, MD; Craig R. Greben, MD; Daniel Putterman, MD; Drew Caplin, MD; and Avi Setton, MD, remind us that embolization for complex visceral arterial pathologies is safe and effective but that certain complex vascular territories require special consideration, and that the use of detachable platinum and hydrogel-coated

microcoils can be beneficial to successful outcomes. David M. Liu, MD; David N. Cade, MD; Jesse Knight, MD; Rodney Raabe, MD; Stephen Kee, MD; Andrew Kennedy, MD; and Riad Salem, MD, close our cover focus with an in-depth review of the rationale and context of radioembolization in the clinical setting through an evidence-based approach.



We are proud to present our Arteriovenous/Dialysis Access Update this month, featuring Abigail Falk, MD, who reviews the development of antimicrobial and antithrombogenic coatings on central venous and hemodialysis catheters, and Theodore F. Saad, MD, who details the importance of protecting the veins in patients with chronic kidney disease.

A Challenging Case presented by Emad Kandil, MD; Ahmed Sawas, MD; Presley Swann, MD; Gary Gwertzman, MD; and Jonathan Deitch, MD, details an interesting application of rheolytic thrombectomy to re-establish patency of an acutely occluded right internal carotid artery. This month's Interview With column features Kenneth Rosenfield, MD, who explains the importance of clinical trials through lessons learned from his own experiences.

I hope that this issue of *Endovascular Today* provides you with valuable and timely information for your practice. ■

A handwritten signature in black ink, reading "Barry T. Katzen MD". The signature is fluid and cursive, with a stylized "B" and "K".

Barry T. Katzen, MD, Chief Medical Editor