

# Explorations in Neurointervention



I am excited to introduce the 2022 neurointerventional issue of *Endovascular Today* and highlight the exciting articles you will see on the following pages. We reached out to a truly outstanding group of international thought leaders in the field of neurointervention, and they were each excited to contribute, shar-

ing their expertise on a wide variety of hot topics.

We begin this issue with a roundtable discussion on acute ischemic stroke interventions, in which I ask our panelists Donald Frei, MD; Maxim Mokin, MD; and Stacey Quintero Wolfe, MD, to describe their management approaches to five challenging clinical scenarios in stroke care. These hypothetical cases were selected to highlight controversial topics that are still beyond the limits of our current knowledge from available trial data. This discussion is followed logically by Colin Derdeyn, MD; J Mocco, MD; Tudor G. Jovin, MD; and Caitlyn Meinzer, PhD, who explain their proposal for STEP, a research platform designed to systematically explore the future horizons in stroke treatment.

Next, Isil Saatci, MD; Demi Dawkins, MD; and Adam Arthur, MD, share aneurysm cases with one another to prompt a discussion of innovative treatment strategies they each employ in their busy practices. This is followed by early robotics adopters Vitor Mendes Pereira, MD; Tufail Patankar, PhD; and Stavropoula I. Tjoumakaris, MD, who answer our questions about their respective programs, the types of robotic cases they perform, ethical considerations for robotic-assisted procedures, and what the future holds in robotics in neurointervention.

Our next article features an interesting arteriovenous malformation (AVM) case discussion led by Adnan H. Siddiqui, MD, who is joined by an esteemed international group of physicians. Panelists Felipe C. Albuquerque, MD; Vanessa Chalumeau, MD; and

Rene Chapot, MD, provide their thoughts on management of a young patient presenting with intraventricular hemorrhage due to an underlying AVM, exploring anatomic and technical considerations for transarterial and transvenous AVM embolization.

To conclude our collection of neurointervention articles, we invited Matthew R. Amans, MD; Kazim Narsinh, MD; Keerthi Valluru, MSE; and David Saloner, PhD, to review their experience in the UCSF pulsatile tinnitus clinic. The authors outline their protocol to diagnose and treat these challenging patients, including their novel use of three-dimensional–printed flow models to understand how turbulence produces pulsatile tinnitus in individual patients.

Also in this issue, the *Endovascular Today* editors have invited commentary on pulmonary embolism (PE) patient care. Geoffrey D. Barnes, MD; Sonia Jasuja, MD; and John M. Moriarty, MD, address post-PE syndrome and optimizing follow-up protocols. They provide insight into how post-PE syndrome can be defined and treated, standardized guidelines and protocols, measuring improvement, and more. An observational cohort study by Scott J. Cameron, MD, et al recently published in *The American Journal of Cardiology* is also examined. The study shows an association between PE response team (PERT) implementation and a sustained reduction in mortality in patients with high-risk PE.

Finally, we close this issue with an interview with Eric A. Secemsky, MD. He discusses his work with the FDA using Medicare data in the SAFE-PAD and SAFE-AAA studies, how a statistical education and mentor relationships were formative to his career, his experience with PERTs, and perspectives on how to increase the breadth of evidence for peripheral vascular disorders.

We hope you find this edition informative and stimulating. ■

James Milburn, MD, FACR  
Guest Chief Medical Editor