



Coil Summit

A 2-day GEST Virtual Education Event

December 10 and December 17
Online with registration

SATURDAY, DECEMBER 10, 2022 (8:30 am – 11:00 am US Central)

Session 1: Biomaterials Basics

Introduction (2 min)

Dr. Jafar Golzarian, University of Minnesota
Dr. Marc Sapoval, Hôpital Européen Georges Pompidou
Dr. Gary Siskin, Albany Medical Center

Understanding the Coil Materials: What an IR Should Know

- Coil Materials – The Metals (12 min)

Ben Fischer, Global Product Manager, Cook Medical

- Coil Materials – The Coating

- Fibers (6 min)

Khoi Le, R&D Engineer, Medtronic

- Hydrogels (6 min)

Wendy Beuthin, R&D Director, Terumo

- Coil Materials – The Manufacturing Process (12 min)

Dan Tomaschko, R&D Manager, Boston Scientific

Understanding Coil Characteristics: What an IR Should Know (10 min)

Dr. Gary Siskin, Albany Medical Center

Panel Discussion

- Coil Materials – Summary (5 min)

Dr. Dania Daye, Massachusetts General Hospital

- Engineers Discussion on Coil Characteristics and Trade-offs (15 min)

Dave Barry, Engineer Emeritus, Penumbra, Inc.
Wendy Beuthin, R&D Director, Terumo
Ben Fischer, Global Product Manager, Cook Medical
Khoi Le, R&D Engineer, Medtronic
Dan Tomaschko, R&D Manager, Boston Scientific

Break (5 minutes)

Industry Sponsored Session

Volume and Reliable Occlusion – Clinical Use of Hydrogel Coil Technology in Peripheral Embolization (15 min)

Terumo

Dr. Marcelo Guimaraes,
Medical University of South Carolina

Session 2: From the Bench to the Patient – How the materials and characteristics translate into clinical use.

Measuring the Packing Density: Are we accurate and is this helpful? (8 min)

Dr. Jean-Pierre Pelage, McGill University

Case Discussion: When have we packed enough? (8 min)

Dr. Luc Defreyne, Ghent University Hospital

Debate: Maximizing Vessel Occlusion vs Minimizing Vessel Recanalization – Are these efforts incompatible?

- Hydrogel Coils (5 min)

Dr. Jean-Pierre Pelage, McGill University

- Bare Metal Coils (5 min)

Dr. Parag Patel, Medical College of Wisconsin

- Fibered Coils (5 min)

Dr. Sarah White, Medical College of Wisconsin

Panel Discussion (25 min)

All presenters



SATURDAY, DECEMBER 17, 2022 (8:30 am – 11:00 am US Central)

Session 3: Materials and Techniques

What is out there? Review of Coils (15 min)	Dr. Jafar Golzarian, University of Minnesota Dr. Marc Sapoval, Hôpital Européen Georges Pompidou Dr. Gary Siskin, Albany Medical Center
Case and Discussions – Focus on Technique (5 min case + 3 min discussion per case)	
• Vessel Sacrifice: Frame and Fill	Dr. Parag Patel, Medical College of Wisconsin
• Making the Case for Pushable Coils	Dr. John Kaufman, Oregon Health & Science University
• Closing Large Vessels – Combining Embolic Materials	Dr. Rahul Patel, Icahn School of Medicine at Mount Sinai
• Closing High-Flow Vessels	Dr. Chuck Martin, The Cleveland Clinic
“Bad Coiling” – Dealing with Mishaps During Coil Embolization Procedures (10 min)	Dr. Sarah White, Medical College of Wisconsin
Break (5 min)	

Session 4: Material Selection and Why?

Case Discussions – Focus on Coil Selection (5 min per case)	
• Trauma Case: Making the Case for Fibered Coil	Dr. John Kaufman, Oregon Health & Science University
• Renal Bleeding: Making the Case for Low-Profile Coils	Dr. Parag Patel, Medical College of Wisconsin
• Pelvic Venous Disease: Best Coil for Venous Applications	Dr. Gloria Salazar, University of North Carolina
• SMA Aneurysm: Save the Vessel	Dr. Chuck Martin, The Cleveland Clinic
• Hypogastric Embolization: Newer Coils	Dr. Rahul Patel, Icahn School of Medicine at Mount Sinai
• Hemorrhoids: What Coils?	Dr. Vincent Vidal, CHU la Timone, Marseilles
• Adjunctive Coil Embolization in PAE	Dr. Marc Sapoval, Hôpital Européen Georges Pompidou
• GI Bleeding: What Coil Profile Do I Like?	Dr. Dania Daye, Massachusetts General Hospital
• Embolization of Priapism: Making the Case for Neuro Coils	Dr. Jafar Golzarian, University of Minnesota
Panel Discussion (15 min)	
• Coil Selection	All presenters
• Back Door/Front Door Coiling. When?	
• Anticoagulation and Coiling	
• Unmet Needs	
• The Ideal Coil	

The GEST Group gratefully acknowledges the following organizations for their support of the Coil Summit in 2022.

