

# Techniques in Vascular and Interventional Radiology

Volume 22 □ Number 3 □ September 2019

## Endoscopy for the Interventional Radiologist

Ravi Srinivasa, MD, FSIR and Jeffrey Forris Beecham Chick, MD, MPH

### Endoscopy for the Interventional Radiologist: An Introduction

Ravi N. Srinivasa and  
Jeffrey Forris Beecham Chick

117

### Endoscopy as an Adjunct to Image-Guided Interventions: A New Frontier in Interventional Radiology

Clifford J. Raymond, Mamdouh Khayat,  
Jeffrey Forris Beecham Chick, and  
Ravi N. Srinivasa

119

### Collaboration is Key – Bridging the Gap and Building an IR Endoscopy Practice

Nathan R. Albertson, Jeffrey Forris Beecham Chick,  
Albert Jiao, Travis L. Healey, Adam N. Plotnik,  
and Ravi N. Srinivasa

125

### Percutaneous Biliary Endoscopy for Stones

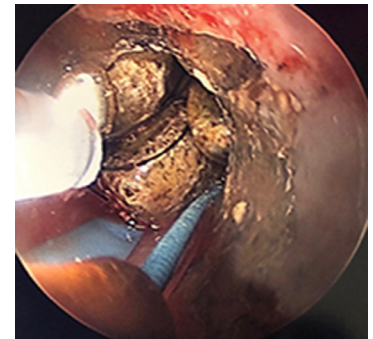
Allen Herr, Daniel Collins, Mark White,  
Kenneth Mandato, Lawrence Keating,  
Christopher Stark, Hwajeong Lee,  
and Gary Siskin

127

### Biliary Endoscopy for Benign and Malignant Biliary Strictures

Mina S. Makary, Jeffrey J. Farrell,  
Mamdouh Khayat, Jeffrey Forris Beecham Chick,  
and Ravi N. Srinivasa

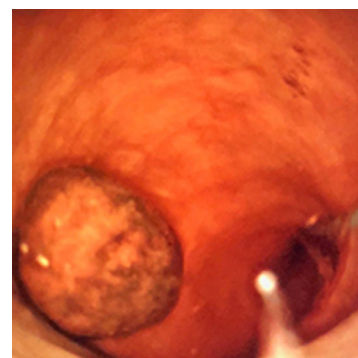
135



**Percutaneous Cholecystolithotomy Using  
Cholecystoscopy**

Seung K. Kim, Naganathan B. Mani,  
Michael D. Darcy, and Daniel D. Picus

**139**



**Percutaneous Interventional Radiology-Operated  
Endoscopy for Foreign Body Removal**

Mamdouh Khayat, Adam Khayat,  
Jeffrey Forris Beecham Chick, Travis L. Healey,  
and Ravi N. Srinivasa

**149**

**Beyond the Bile Duct: Advanced IR Endoscopic  
Interventions Involving the Gastrointestinal,  
Genitourinary, and Musculoskeletal Systems**

Travis L. Healey, Arielle VanSyckel,  
Joshua Scantland, Nabih Diab,  
and Matthew S. Johnson

**154**

**Billing, Coding, and Credentialing for Interventional  
Radiology-Operated Endoscopy**

Jesse Mer, Jeffrey Forris Beecham Chick,  
Travis L. Healey, Evan J. Johnson,  
and Ravi N. Srinivasa

**162**