
Preface

About 25 years ago, a few pioneering radiologists began performing “special procedures” in pediatric patients. Since that time, the practice of pediatric interventional radiology (PIR) has come a long way. It has spread throughout children’s hospitals around the world; dedicated fellowship programs have been developed; the number of pediatric interventional radiologists continues to grow, and the Society for Pediatric Interventional Radiology was recently created. During that time, the number and types of PIR procedures have continued to expand and evolve.

With the ongoing evolution of our specialty in mind, we welcome you to *Pediatric Interventional Radiology: Vascular and Non-Vascular Interventions*. To our knowledge, this is the first textbook solely dedicated to the array of interventional procedures performed in infants and children.

Our aim in creating this book was to provide concise, easy-to-read descriptions regarding the performance and periprocedural care relating to a wide array of interventional radiology procedures in infants and children.

This book is targeted at anyone who performs or wishes to obtain further knowledge on minimally invasive, image-guided procedures in infants and children. We envision that the book will be used as an educational resource for residents, fellows, adult interventionalists, and diagnostic radiologists. The book and its summary tables were created to as a reference source for both pediatric and adult interventionalists.

Book Organization

The introductory section of the book highlights the unique elements of clinical pediatric practice that are necessary to provide safe patient care. The remainder of the book covers major vascular and non vascular PIR procedures. The organization will be procedure specific with secondary area classification. Pediatric neurointerventional procedures are not included in this book.

Chapter Organization

In general, procedural chapters start with an overview of the procedure followed by chapters that highlight information important to specific indications. For example, the arteriography section begins with an overview of basic angiographic techniques and equipment. Subsequent chapters discuss renal, pulmonary, bronchial, and GI angiography.

Procedural chapters are organized using a standardized format to provide easy access to information. Chapters are organized to describe the following:

- Background information
- Indications/contraindications
- Equipment
 - Recommendations are provided for varying patient sizes when possible or applicable
- Pre-procedure work up
- Procedure technique
- Post procedure monitoring
- Follow-up

Within each chapter, images, illustrations, and tables provide quick access to information. Each chapter ends with a point form chapter summarization containing essential information in one easy-to-access location.

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Pediatric Interventional Radiology

Handbook of Vascular and Non-Vascular Interventions

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