

---

## Preface

This operative manual is a joint venture between the Department of Surgical Paediatrics at The Royal Hospital for Sick Children in Glasgow and the Department of Paediatric Surgery, All India Institute of Medical Sciences (AIIMS) in New Delhi. A total of 67 paediatric surgical trainees and consultant mentors have authored chapters for the book, with additional contributions from leading paediatric surgeons from around the world, who are well known for their expertise in a particular operation.

The operative manual aims to fill a niche in the surgical literature by providing concise, easy-to-follow descriptions of 183 paediatric surgical operations and the basic operative techniques that are required to perform them safely. The manual is intended to be something akin to a surgical 'cook-book', in that it describes very clearly, in a step-by-step sequence, the component parts of each operation. For ease of use, each chapter has been written in the same style, with a succinct, well-illustrated description of the operative technique, followed by further sections containing helpful tips and warning the reader about common pitfalls.

The operative manual covers the majority of operations and techniques that a paediatric surgical trainee could expect to be involved with at any level from interested spectator to first assistant and finally, principal operator. We are not suggesting that trainees should perform all the operations included in this book, but we feel that no matter what their level of experience and hence involvement in an operation, a trainee should always go into theatre armed with a basic understanding of the operative steps and sequence involved. We hope that the operative descriptions in the manual will not only help trainees prepare for cases in theatre but also serve as a useful revision tool for the FRCS (Paed Surg) exam and other Board exams worldwide.

The book starts with a 'Basic Surgical Techniques' section. This section takes the trainee through the preparatory stages of an operation, covering topics such as the 'WHO Safe Surgery Checklist', patient positioning, skin preparation and a 'field guide' to commonly employed surgical instruments and their uses. Further chapters describe commonly used skin incisions and some of the skills and techniques that trainees should develop in theatre. The remainder of the book describes individual operations by organ system or anatomical region. The final chapter of the book has been included to reflect the changes in the way in which paediatric surgical training is being delivered in the UK. This chapter provides the reader with an overview of the new paediatric surgery syllabus, with special reference to the operative competencies that should be developed by each stage of training. We hope that this will also be of interest to trainers in other countries.

It has not been our intention to provide information regarding underlying disease processes or their management and outcome, as these topics have been well covered elsewhere. We have excluded complex subspecialty surgery such as liver and bowel transplantation, neurosurgery, complex reconstructive orthopaedic surgery, and cardiac surgery as these procedures are best covered in large, specialist operative textbooks. Paediatric surgeons in the UK no longer perform some of the operations listed in the contents page. These cases are included for readers in countries such as India and parts of Europe, where paediatric surgery remains more generalised.

We are cognisant of the fact that in surgery as in life, there are many paths to the same end. We do not profess that the operative techniques described in this book are the only way of achieving the intended outcomes of a procedure. The operative descriptions presented in this book are included because they are safe and effective. Furthermore the descriptions have been enhanced with tips and modifications, which have been learnt and developed by senior surgeons through years of personal experience.

It has been a pleasure watching the operative manual evolve. We hope that you enjoy using it and that it helps you to develop a sound understanding of the operative techniques and procedures which underpin this most rewarding of specialties.

Robert Carachi

Sandeep Agarwala

Tim J. Bradnock



Dr. Sandeep Agarwala and Robert Carachi



Tim J. Bradnock and family



Prof. Hock Lim Tam



Salvatore Cascio



Consultants and trainees of "Department of Surgical Pediatrics, The Royal Hospital for Sick Children, G3 8SJ, Glasgow, UK"



Contributing authors from the Department of Pediatric Surgery, All India Institute of Medical Sciences, New Delhi, India

Basic Techniques in Pediatric Surgery

An Operative Manual

Carachi, R.; Agarwala, S.; Bradnock, T.J. (Eds.)

2013, XVIII, 644 p. 1100 illus., Hardcover

ISBN: 978-3-642-20640-5