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# Fetal and Hybrid Procedures in Congenital Heart Diseases



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Editors

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 Springer

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ISBN 978-3-319-40086-0

ISBN 978-3-319-40088-4 (eBook)

DOI 10.1007/978-3-319-40088-4

Library of Congress Control Number: 2016953296

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Printed on acid-free paper

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## Preface

The field of congenital heart disease has dramatically changed over the past years as a consequence of significant advances in imaging, understanding of disease mechanisms, and treatments through surgical and/or transcatheter techniques.

Among all, two fields have had interesting and significant evolutions: the development of fetal transcatheter treatments and the hybrid approach to therapy of congenital heart disease.

The idea of performing a therapy during fetal life has the aim to modify the natural history of some congenital heart diseases as aortic or pulmonary stenosis and the restrictive interatrial septum. The development of these techniques has opened new hopes. However, there are still many debated issues. All these aspects are developed throughout the book by world-renowned experts in the field.

The hybrid concept refers to the effort of joining the knowledge and the skills from both the interventionalists and the surgeons in order to minimize risks and optimize results. Furthermore, undergoing these procedures, patients may have a quicker recovery, a shorter hospital stay, and a better quality of life.

These techniques require not only a specific training but also need a tight collaboration within the team which includes pediatric interventionist, echocardiographer, surgeon and anesthesiologist. Almost all the leaders of the field collaborated to the book providing a complete overview of technique and results.

This book is the result of the collaboration of 40 world-renowned experts and gives plenty of details, tips, and tricks on 48 different topics. It provides the state of the art in the fetal interventional and the hybrid fields. To the reader the effort to develop new ideas in order to improve lives of our small patients.

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