

Editor
Ali Kalamchi

Congenital Lower Limb Deficiencies



Springer-Verlag
New York Berlin Heidelberg
London Paris Tokyo Hong Kong

Contents

Preface	vii
Contributors	xi
Introduction. Henry R. Cowell	xiii

Section I—General

1 Development of the Lower Limb. John A. Ogden	1
2 Genetic and Familial Aspects of Limb Defects with Emphasis on the Lower Extremities. Charles I. Scott, Jr. . .	46
3 Pediatric Screening and Evaluation. Morris S. Dixon, Jr. . .	58

Section II—Congenital Deficiency of the Lower Limbs

4 Developmental Coxa Vara. Thomas L. Schmidt	65
5 Congenital Short Femur. Robert Eilert.	89
6 Proximal Femoral Focal Deficiency. Ivan Krajbich	108
7 Congenital Deficiency of the Fibula. Ali Kalamchi	128
8 Congenital Deficiency of the Tibia. Ali Kalamchi	140

Section III—Treatment Modalities

9 Tibial Rotation-Plasty for Proximal Femoral Focal Deficiency. Alfred E. Ritter	152
10 Syme and Boyd Amputations in Children. S. Jay Kumar	163
11 Lower Limb Lengthening. J. Richard Bowen and In Ho Choi	180

12	Prosthetic Management. George H. Thompson and Jon P. Leimkuehler.....	211
13	Sports Medicine in the Congenital Lower-Limb Amputee. Peter D. Pizzutillo.....	236
14	The Juvenile Amputee: Physical Therapy and Sports Par- ticipation. Alan Peoples.....	242
	Index.....	250