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Titolo	Muscular and skeletal anomalies in human trisomy in an evo-devo context : description of a T18 cyclopic fetus and comparison between Edwards (T18), Patau (T13) and Down (T21) syndromes using 3-D imaging and anatomical illustrations // Christopher M. Smith [et al.], editors
Pubbl/distr/stampa	Boca Raton : , : CRC Press : , : Taylor & Francis Group, , [2015] ©2015
ISBN	0-429-17333-4 1-4987-1138-3
Edizione	[1st ed.]
Descrizione fisica	1 online resource (x, 212 pages) : illustrations (some color)
Disciplina	618.920042
Soggetti	Abnormalities, Human - Genetic aspects Human chromosome abnormalities Human anatomy
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	A Science publishers book.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Front Cover; Preface; Acknowledgements; Contents; Chapter 1 - Topics and Purpose of this Book; Chapter 2 - The Musculoskeletal System of a 28-week Human Trisomy 18 Cyclopia Fetus; Chapter 3 - Comparative Anatomy of Muscular Anomalies in Trisomies 13, 18, and 21; Chapter 4 - Cyclopia, Trisomic Anomalies, and Order versus Chaos in Development and Evolution; Chapter 5 - Digits and Muscles: Topology-Directed Muscle Attachment; Chapter 6 - Evolutionary Mechanisms and Mouse Models for Down Syndrome; Illustrations; References; Appendix A - Dissection Photographs of Trisomy 18 Human Cyclopia Fetus; Appendix B - 3-D Renders of Trisomy 18 Human Cyclopia Fetus CT Scan Data; About the Authors; Color Plate Section; Back Cover
Sommario/riassunto	This book focuses on human anatomy and medicine and specifically on both muscular and skeletal birth defects in humans with trisomy. Moreover, this book also deals with Down syndrome, which is one of the most studied human syndromes and, due to its high incidence and the fact that individuals with this syndrome often live until adulthood,

is of special interest to the scientific and medical community. This new line of inquiry is addressed to a wide audience, including medical researchers, physicians, surgeons, medical and dental students, pathologists, and pediatricians, among others
