



children



*Special Issue Reprint*

## Bone Development and Disease in Infants

Edited By:

Vito Pavone

[mdpi.com/books/pdfview/book/5473](https://www.mdpi.com/books/pdfview/book/5473)

ISBN 978-3-0365-4046-7 (hardback)

ISBN 978-3-0365-4045-0 (PDF)



Children's bone growth is continuous, and remodelling is always extensive. Growth proceeds from a vulnerable part of the bone, the growth plate. In remodelling, old bone tissue is gradually replaced by new tissue. Many bone disorders arise from the changes that occur in a growing child's musculoskeletal system, and these disorders can positively or negatively impact bone development. Other bone disorders may be inherited or occur in childhood for unknown reasons.

Bone disorders in children can result from factors that affect people of all ages, including injury, infection (osteomyelitis), cancer, and metabolic diseases. Causes of bone disorders can involve the gradual misalignment of bones and stress on growth plates during growth. Congenital deformities such as clubfoot or developmental dysplasia of the hip can lead to important alterations of bone development, causing severe dysfunction. Certain rare connective tissue disorders can also affect the bones, such as Marfan syndrome, osteogenesis imperfecta, and osteochondrodysplasias.

Many specialists are involved in the management of bone development disorders in children and adolescents, such as neurosurgeons, plastic surgeons, general surgeons, ORL surgeons, maxillofacial surgeons, orthopaedics, radiologists, and pediatric intensive care physicians.

The aim of this Special Issue is to present the latest research on the etiology, physiopathology, diagnosis and screening, management, and rehabilitation related to bone development and disease in infants, focusing on congenital, developmental, post-traumatic, and post-infective disorders.



Order Your Print Copy

Print copies (170x244mm, Pbk) can be ordered at:

[www.mdpi.com/books/pdfview/book/5473](https://www.mdpi.com/books/pdfview/book/5473)

MDPI Books offers quality open access book publishing to promote the exchange of ideas and knowledge in a globalized world. MDPI Books encompasses all the benefits of open access – high availability and visibility, as well as wide and rapid dissemination. With MDPI Books, you can complement the digital version of your work with a high quality printed counterpart.



## Open Access

Your scholarly work is accessible worldwide without any restrictions. All authors retain the copyright for their work distributed under the terms of the Creative Commons Attribution License.



## Author Focus

Authors and editors profit from MDPI's over two decades of experience in open access publishing, our customized personal support throughout the entire publication process, and competitive processing charges as well as unique contributor discounts on book purchases.



## High Quality & Rapid Publication

MDPI ensures a thorough review for all published items and provides a fast publication procedure. State-of-the-art research and time-sensitive topics are released with a minimum amount of delay.



## High Visibility

Due to our global network and well-known channel partners, we ensure maximum visibility and broad dissemination. Title information of books is sent to international indexing databases and archives, such as the Directory of Open Access Books (DOAB), and the Verzeichnis lieferbarer Bücher (VLB).



## Print on Demand and Multiple Formats

MDPI Books are available for purchase and to read online at any time. Our print-on-demand service offers a sustainable, cost-effective and fast way to publish MDPI Books printed versions.