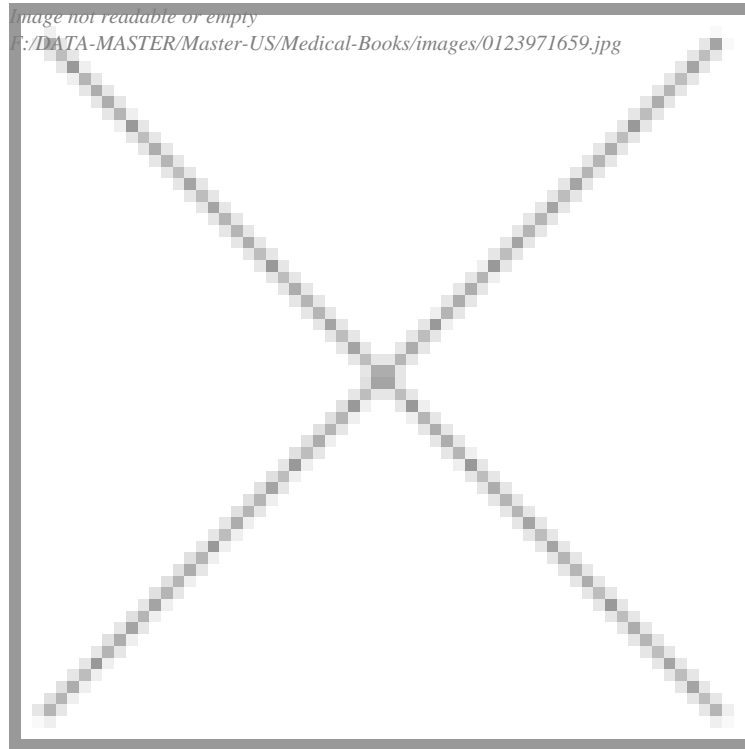


Osteogenesis Imperfecta: A Translational Approach to Brittle Bone Disease

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#3068571 in Books 2013-09-25 Original language: English PDF # 1 10.80 x 1.40 x 8.70l, .0 #File Name: 0123971659578 pages | File size: 42.Mb

From Academic Press : Osteogenesis Imperfecta: A Translational Approach to Brittle Bone Disease before purchasing it in order to gauge whether or not it would be worth my time, and all praised Osteogenesis Imperfecta: A Translational Approach to Brittle Bone Disease:

Osteogenesis Imperfecta is the first translational reference professionals can turn to for a source of comprehensive information on this disorder. Although several reviews of the field have been published in various journals, there is no other single source for a compendium of current information. Separate chapters discuss each of the several clinical features of OI. Ethical issues related to OI are discussed, as is the importance of nutrition in managing the OI child and the OI adult. The role of physical medicine and rehabilitation for OI patients is also presented, along with the current status of OI medical treatment and the prospects for genetic engineering in the future. The text also provides the orthopedic surgeon with an advanced discussion of surgical techniques applicable to OI. Incorporates chapters and information on the ethical issues related to osteogenesis imperfecta (OI) as well as the importance of nutrition in managing the OI child and the OI adult Offers new insights into the underlying mechanisms of collagen biochemistry as related to OI as well as a presentation of intracellular collagen processing and the expanded role of protein chaperones in OI Discusses the role of physical medicine and rehabilitation for OI patients and the current status of OI

medical treatment as well as prospects for genetic engineering in the future Provides a unique overview for the orthopedic surgeon with an advanced discussion of surgical techniques applicable to OI

"Shapiro, Byers, Glorieux, and Sponseller compile 58 chapters by an international group of orthopedists, geneticists, bone specialists, and other physicians and researchers, who describe osteogenesis imperfecta. They address the basic science and clinical practice, as well as future research and its relevance to treatment and care, for basic scientists and clinicians."--Reference Research Book News, December 2013 "A monumental nearly 600 page textbook about OI has recently been published. This comprehensive reference is a collection of chapters by an international group of physicians and researchers Their goal was to bring together in one volume the latest information about the biochemistry, genetics, research questions and treatments available to manage OI in children and adults. A special feature is an advanced discussion of surgical techniques applicable to OI."--OI Foundation E-News, September 2013

About the Author Dr. Jay R. Shapiro is a graduate of Franklin and Marshall College and the Boston University School of Medicine. He serves as Professor in the Department of Physical Medicine and Rehabilitation and Director of the Bone and Osteogenesis Imperfecta Department at the Kennedy Krieger Institute. He served as Director of the General Clinical Research Center at Johns Hopkins University and is on the Medical Advisory Committee of the Osteogenesis Imperfecta Foundation. Dr. Shapiro also served as the Chief for the Bone Team of the National Space Biomedical Research Institute. Dr. Shapiro has specialty interests in endocrine, metabolic and genetic disorders of bone. Current research activities include: heart disease in adult osteogenesis imperfecta, the effect of nutrition on bone growth in osteogenesis imperfecta, osteoporosis in Rett syndrome and a study of the effects of bisphosphonate treatment during microgravity on the International Space Station (NASA).