

## Accepted Manuscript

Hypophosphatasia: Natural history study of 101 affected children investigated at one research center

Michael P. Whyte MD, Deborah Wenkert MD, Fan Zhang MD

PII: S8756-3282(16)30239-3  
DOI: doi: [10.1016/j.bone.2016.08.019](https://doi.org/10.1016/j.bone.2016.08.019)  
Reference: BON 11111

To appear in: *Bone*

Received date: 27 July 2016  
Revised date: 23 August 2016  
Accepted date: 24 August 2016



Please cite this article as: Whyte Michael P., Wenkert Deborah, Zhang Fan, Hypophosphatasia: Natural history study of 101 affected children investigated at one research center, *Bone* (2016), doi: [10.1016/j.bone.2016.08.019](https://doi.org/10.1016/j.bone.2016.08.019)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

# Hypophosphatasia: Natural History Study Of 101 Affected Children

## Investigated At One Research Center

Michael P. Whyte MD,<sup>1,2</sup> Deborah Wenkert MD,<sup>1\*</sup> Fan Zhang MD<sup>1</sup>

1 Center for Metabolic Bone Disease and Molecular Research, Shriners Hospital for Children; St. Louis, MO, USA, 63110

2 Division of Bone and Mineral Diseases, Department of Internal Medicine, Washington University School of Medicine at Barnes-Jewish Hospital; St. Louis, MO, USA, 63110

-----  
\*Current address: Amgen, Inc., Thousand Oaks, CA, USA, 91320-1799

**Presented In Part At:** The 31<sup>st</sup> Annual Meeting, American Society for Bone and Mineral Research, September 11 - 15, 2009, Denver, CO, USA [J Bone Miner Res 24 (Suppl 1) available at <http://www.asbmr.org/Meetings/AnnualMeeting/AbstractDetail.aspx?aid=20967529-cbc7-4f7e-8419-112b2b0e9a8b>]; The 73<sup>rd</sup> Annual Meeting, American College of Rheumatology, October 16 - 21, 2009, Philadelphia, PA, USA [Arthritis Rheum 60 (Suppl 10):878, 2009]; The 59<sup>th</sup> Annual Meeting, American Society of Human Genetics, October 20 - 24, 2009, Honolulu, HI, USA (Abstract #65 available at [http://www.ashg.org/2009meeting/pdf/platforms\\_4up.pdf](http://www.ashg.org/2009meeting/pdf/platforms_4up.pdf)); and The 37<sup>th</sup> Annual Meeting, American Society for Bone and Mineral Research, October 9 - 15, 2015, Seattle, WA, USA [J Bone Miner Res 30 (Suppl): S189, 2015].

**Running Title:** Hypophosphatasia: Natural History In Children

**Funding Sources:** Shriners Hospitals for Children; Enobia Pharma, Montreal, Canada; and Alexion Pharmaceuticals Inc., New Haven, CT, USA. No funding source played a role in designing the study; collecting, analyzing, or interpreting the data; or approving the final manuscript.

**Key Words:** alkaline phosphatase, dual energy x-ray absorptiometry, inborn-error-of-metabolism, metabolic bone disease, rickets

**Conflicts of Interest:** MPW received consulting fees and research grant support from Enobia Pharma, Montreal, Canada, and research grant support, travel, and honoraria from Alexion Pharmaceuticals Inc., New Haven, CT, USA. DW had consulting fees from Enobia Pharma, Montreal, Canada, and is now an employee of Amgen Inc., Thousand Oaks, CA, USA, where she has salary, stock, and stock options. FZ reports no conflict of interest.

**Address correspondence to:** Michael P. Whyte, M.D.  
Shriners Hospital for Children  
4400 Clayton Avenue  
St. Louis, MO, U.S.A., 63110  
Tel: 314-872-8305  
Fax: 314-872-7844  
Email: [mwhyte@shrinenet.org](mailto:mwhyte@shrinenet.org)

Download English Version:

<https://daneshyari.com/en/article/8625291>

Download Persian Version:

<https://daneshyari.com/article/8625291>

[Daneshyari.com](https://daneshyari.com)