

Accepted Manuscript



Metabolomic Prediction of Fetal Congenital Heart Defect in the First Trimester

Ray O. Bahado-Singh, MD, MBA Rebecca Ertl, MD Rupasri Mandal, PhD Trent C. Bjorndahl, PhD Argyro Syngelaki, Beomsoo Han, PhD Edison Dong, BSc Philip B. Liu, BSc Zeynep Alpay-Savasan, David S. Wishart, PhD Kypros H. Nicolaides, MD

PII: S0002-9378(14)00325-1

DOI: [10.1016/j.ajog.2014.03.056](https://doi.org/10.1016/j.ajog.2014.03.056)

Reference: YMOB 9756

To appear in: *American Journal of Obstetrics and Gynecology*

Received Date: 2 December 2013

Revised Date: 21 February 2014

Accepted Date: 31 March 2014

Please cite this article as: Bahado-Singh RO, Ertl R, Mandal R, Bjorndahl TC, Syngelaki A, Han B, Dong E, Liu PB, Alpay-Savasan Z, Wishart DS, Nicolaides KH, Metabolomic Prediction of Fetal Congenital Heart Defect in the First Trimester, *American Journal of Obstetrics and Gynecology* (2014), doi: 10.1016/j.ajog.2014.03.056.

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.

Metabolomic Prediction of Fetal Congenital Heart Defect in the First Trimester

Ray O. Bahado-Singh MD, MBA¹, Rebecca Ertl MD², Rupasri Mandal PhD³, Trent C. Bjorndahl PhD³, Argyro Syngelaki³, Beomsoo Han PhD⁴, Edison Dong BSc³, Philip B Liu BSc³, Zeynep Alpay-Savasan¹, David S. Wishart PhD^{3,4}, Kypros H. Nicolaides MD²

Department of Obstetrics and Gynecology, Oakland University-William Beaumont School of Medicine¹, Harris Birthright Research Center for Fetal Medicine, Kings College Hospital, London, England², Department of Biological Sciences³ and Department of Computing Science⁴, University of Alberta, Edmonton, AB, Canada.

The authors report no conflict of interest

The study was supported by a grant from The Fetal Medicine Foundation (UK Charity No: 1037116).

Metabolomic analyses performed at The Metabolomics Innovation Centre (TMIC), University of Alberta, Edmonton, Canada

Ray O. Bahado-Singh, M.D.
Department of Obstetrics & Gynecology
William Beaumont Health System
3535 W. 13 Mile Road, Suite 233
Royal Oak, MI 48073 USA

Abstract: 195

Main Text: 4414

Download English Version:

<https://daneshyari.com/en/article/6145734>

Download Persian Version:

<https://daneshyari.com/article/6145734>

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