Journal Pre-proof

Metabolic profiling of seminal plasma from teratozoospermia patients

Bahareh Mehrparvar, Saeed Chashmniam, Fatemeh Nobakht, Mehdi Amini, Amin Javidi, Arash Minai-Tehrani, Babak Arjmand, Kambiz Gilany



PII: S0731-7085(19)31869-2

DOI: https://doi.org/10.1016/j.jpba.2019.112903

Reference: PBA 112903

To appear in: Journal of Pharmaceutical and Biomedical Analysis

Received Date: 28 July 2019

Revised Date: 28 September 2019

Accepted Date: 30 September 2019

Please cite this article as: Mehrparvar B, Chashmniam S, Nobakht F, Amini M, Javidi A, Minai-Tehrani A, Arjmand B, Gilany K, Metabolic profiling of seminal plasma from teratozoospermia patients, *Journal of Pharmaceutical and Biomedical Analysis* (2019), doi: https://doi.org/10.1016/j.jpba.2019.112903

This is a PDF file of an article that has undergone enhancements after acceptance, such as the addition of a cover page and metadata, and formatting for readability, but it is not yet the definitive version of record. This version will undergo additional copyediting, typesetting and review before it is published in its final form, but we are providing this version to give early visibility of the article. 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.

© 2019 Published by Elsevier.

Metabolic profiling of seminal plasma from teratozoospermia patients

Running title: Metabolic analysis of teratozoospermia

Bahareh Mehrparvar (MSc)^{a,b}, Saeed Chashmniam (Ph.D.)^c, Fatemeh Nobakht (Ph.D.)^d, Mehdi Amini (MSc)^a, Amin Javidi (Ph.D.)^{e,f,g}, Arash Minai-Tehrani (Ph.D.)^h, Babak Arjmand (Ph.D.)ⁱ, Kambiz Gilany (Ph.D.)^{a,b,*}

^aReproductive Immunology Research Center, Avicenna Research Institute, ACECR, Tehran, Iran.

^bIntegrative Oncology Department, Breast Cancer Research Center, Motamed Cancer Institute, ACECR, Tehran, Iran.

^cDepartment of chemistry, Sharif University of Technology, Tehran, Iran.

^dChemical Injuries Research Center, Systems Biology and Poisoning Institute, Baghiyatallah University of Medical Sciences, Tehran, Iran.

^eDepartment of Molecular and Cellular Science, Faculty of Advanced Sciences and Technology, Pharmaceutical Sciences Branch, Islamic Azad University, Tehran, Iran.

^fDepartment of Molecular Genetics, Faculty of Biological Sciences, Tarbiat Modares University, Tehran, Iran.

^gCancer Alternative and Complementary Medicine Department, Breast Cancer Research Center, ACECR, Tehran, Iran.

^hNanobiotechnology Research Center, Avicenna Research Institute, ACECR, Tehran, Iran.

ⁱCell Therapy and Regenerative Medicine Research Center, Endocrinology and Metabolism Molecular Cellular Sciences Institute, Tehran University of Medical Sciences, Tehran, Iran.

*Corresponding author: Dr. Kambiz Gilany

Correspondence address: E-mail: k.gilany@ari.ir

Mailing address: Avicenna Research Institute, Shahid Beheshti University, Darakeh, Tehran, Iran.

1

Download English Version:

https://daneshyari.com/en/article/13472732

Download Persian Version:

https://daneshyari.com/article/13472732

<u>Daneshyari.com</u>