

Cancer Research

Poster Presentations - Proffered Abstracts

Abstract B047: Biochemical parameters of prostate cancer patients in Nigeria

Emeka Iweala, Solomon Rotimi, Faith Kanu and Chidiebere Ogo

DOI: 10.1158/1538-7445.PRCA2017-B047 Published August 2018

Abstracts: AACR Special Conference: Prostate Cancer: Advances in Basic, Translational, and Clinical Research; December 2-5, 2017; Orlando, Florida

Abstract

The screening of biochemical parameters of cancer patients and their development into reliable and specific diagnostic and prognostic biomarkers has been reported in several studies. The biochemical signature of prostate cancer patients in Nigeria may vary from others and can serve as important leads in discovery of new biomarkers for the disease. This will ultimately provide more information on the specific causes and prognosis of the disease as well as improve its diagnosis and management. This study examined some biochemical parameters including alanine transaminase (ALT), alkaline phosphatase (ALP), low-density lipoprotein (LDL), high-density lipoprotein (HDL), triglycerides (TRIG), reduced glutathione (GSH), lipid peroxidation and peroxidase (POD) in the plasma of prostate cancer patients and controls. The data obtained indicate that there were no significant differences in the ALT, LDL, HDL, and POD while ALP and TRIG were significantly increased. Also, there was a significant reduction in GSH. This indicates the possible implication of ALP, TRIG, and GSH in prostate cancer disease in Nigeria and their potential to be further developed into diagnostic and prognostic biomarkers.

Citation Format: Emeka Iweala, Solomon Rotimi, Faith Kanu, Chidiebere Ogo. Biochemical parameters of prostate cancer patients in Nigeria [abstract]. In: Proceedings of the AACR Special Conference: Prostate Cancer: Advances in Basic, Translational, and Clinical Research; 2017 Dec 2-5; Orlando, Florida. Philadelphia (PA): AACR; Cancer Res 2018;78(16 Suppl):Abstract nr B047.

- ©2018 American Association for Cancer Research.

-



August 2018
Volume 78, Issue 16 Supplement

- [Table of Contents](#)

Related Articles

AACR American Association
for Cancer Research®

Copyright © 2020 by the American Association for Cancer Research.

Cancer Research Online ISSN: 1538-7445

Cancer Research Print ISSN: 0008-5472

Journal of Cancer Research ISSN: 0099-7013

American Journal of Cancer ISSN: 0099-7374