



SDI Review Form 1.6

Journal Name:	<u>Journal of Advances in Medical and Pharmaceutical Sciences</u>
Manuscript Number:	2014_JAMPS_12953
Title of the Manuscript:	Analysis of O6-Methylguanine in Cancer Patient Blood during Administration of Cyclophosphamide using Ultra High Performance Liquid Chromatography-Tandem Mass Spectrometry
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<u>Compulsory</u> REVISION comments	The paper report a good approach for the analyses of O6-methylguanine, but validation procedure reveal several incorrect parameters, e.g. LOQ generally was set at S/N ratio of 10, not 5. Furthermore authors reports accuracy instead trueness. Are also absent a deep discussion on obtained results in terms of analytical performance. No studies on matrix effects are reported	DNA adduct is resulted from reaction of alkylating agents with DNA inside the patient body. O ⁶ -methylguanine was acquired from DNA hydrolysis in the form of hydrolysate in formic acid, so not in the biological matrix although the preliminary matrix was blood, thus the validation performed in this study does not follow bio analytical method validation, therefore referring to ICH guideline. Therefore we did not conduct matrix effect. Regarding the LOQ, in this research we determine the LLOQ, which is S/N ratio of 5 in accordance with FDA guideline.
<u>Minor</u> REVISION comments	Check entire manuscript for significant digit, English language and typos and grammar errors	Noted. This paper has been submitted and corrected by American Journal Expert (AJE), and the certificate from them has been sent by email to JAMPS editor.
<u>Optional/General</u> comments		