Reviewer’s report

Title: SIMILAR INCIDENCE OF DNA DAMAGE RESPONSE PATHWAY ALTERATIONS BETWEEN CLINICALLY LOCALIZED AND METASTATIC PROSTATE CANCER

Version: 0 Date: 18 Jan 2019

Reviewer: Thaise Goncalves Araújo

Reviewer's report:

This is an interesting study on the role of Damage Response alterations in Prostate Cancer (PCa). The topic is timely, especially considering genetic alterations in localized PCa compared to castration-resistant PCa. Several studies have been focused on genomic defects in DNA repair in advanced and primary prostate cancer. However, the authors demonstrated a higher incidence of these alterations in localized PCa than previously published. I would like to address some points that need to be clarified and the authors are recommended to consider these corrections while revising the manuscript.

Abstract
It is not clear how the patients were categorized (methods section) and how the results led to the conclusion of the study. What is the proportion of DDR pathway gene mutations in localized PCa?

The authors used the abbreviation PARP without the full name.

Introduction
It is well known that DNA damage is a major contributor to carcinogenesis. However, in introduction section, the authors must briefly clarify the central role of DDR and repair pathways.

Some manuscripts should be cited:

Results

The authors used abbreviations without the full name.

Authors included 455 patients. Among then only 174 were localized PCa. It must be clear in this section and in abstract.
Table 1 summarizes localized prostate cancer. However, it includes pT3 and pT4 patients, which are extraprostatic extension. Please explain.

My recommendation - to ask for a rewrite taking into consideration the points rose.

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