Author’s response to reviews

**Title:** Regression of solid breast tumours in mice by Newcastle disease virus is associated with production of apoptosis related-cytokines

**Authors:**

Raihan Juraimi (juraimi@moh.gov.my)

Umar Ahmad (babasaraki@yahoo.co.uk)

Yong Keong (yongyoke@upm.edu.my)

Zolkapli Eshak (zolkapli@utm.edu.my)

Fauziah Othman (fauziah@upm.edu.my)

Aini Ideris (aiini@upm.edu.my)

**Version:** 2  **Date:** 19 Feb 2019

**Author’s response to reviews:**

Response to Reviewers’/Editor’s Comments

13th February, 2019.

BCAN-D-17-02230R1

Regression of solid breast tumours in mice by Newcastle disease virus is associated with production of apoptosis related-cytokines

Raihan Juraimi, BSc, MSc; Umar Ahmad, BSc, MS; Yong Yoke Keong, BSc, PhD; Zolkapli Eshak, BSc, MSc, PhD; Fauziah Othman, DVM, MSc, PhD; Aini Ideris, DVM, MSc, PhD

BMC Cancer

Editor’s Comments:

Comment 1: In the methods section, please state how animals were euthanised.
Response: Thank you for the comment. This has been updated in the new version of the manuscript. All animals used in this experiment were humanely euthanised by CO2 asphyxiation upon meeting the criteria for tumour burden usually considered to be \( \geq 150 \text{mm}^3 \).

Comment 2: Please remove the figure titles embedded within the figures and re-upload the corrected versions. All figure titles/legends should be placed at the end of the main manuscript, after the References, and not within any of the figure files. Please upload each Figure and Table individually, as separate files.

Response: Correction relating to this comment has been made in the new version of the manuscript. Tables and figures were shifted down below the reference as you suggested. However, there were no title in the figure you mentioned were embedded within the figures in the manuscript.

Response to Reviewers’ Comments

John D. Haley (Reviewer 1):

Comment 1: Figures 3-8 are missing key information from the x axis. The is important.

Response: Thank you for the comment. However, can we please know exactly what are these “missing key information from the x axis”?.

Comment 3: Also the y-axis (ELISA SPOT) should be expressed in ng/ml or pg/ml or molar concentrations relative to control values for each cytokine from the BD Science kit. Otherwise good.

Response: Apologies for missing to place the unit concentration for each cytokines. Now we have updated this in the new version of the manuscript with pg/ml.
Reviewer 2 (Reviewer 3):

Comment 1: NTE buffer (NaCl, Tris-HCl, EDTA): there is no pH and component concentrations shown.

Response: Thank you reviewer 3 for the invaluable comment. We effect the correction in the new version of the manuscript; (NaCl, Tris-HCl, EDTA, pH 8.0) and this has greatly improved our manuscript.

Comment 2: For assessment of liver function, plasma enzyme activities of total bilirubin level, alanine aminotransferase (ALT) and aspartate aminotransferase (AST) were determined using an automated procedure. There is no Reference for this procedure.

It would be nice to include a catalog of numbers for mentioned Kits!

Response: Apologies for the oversight. Comments has been corrected in the manuscript as mentioned here too: Measurement of interleukin-6 (IL-6) (Cat. No: 555240), interleukin-10 (IL-10) (Cat. No: 555252) interleukin-12p70 (IL-12p70) (Cat. No: 555256), interferon-γ (IFN-γ) (Cat. No: 555138), monocyte chemoattractant protein-1 (MCP-1) (Cat. No: 555260), and tumour necrosis factor-α (TNF-α) (Cat. No: 558874). For assessment of liver function, plasma enzyme activities of total bilirubin level, alanine aminotransferase (ALT) and aspartate aminotransferase (AST) were determined using an automated enzyme activity analyser (Beckman, USA)