Author's response to reviews

Title: Molecular, cellular and physiological characterization of the cancer cachexia-inducing C26 colon carcinoma in mouse

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Author's response to reviews: see over
To the Editor,

Attached please find the revised version of our manuscript entitled: “Molecular, cellular and physiological characterization of the cancer cachexia-inducing C26 colon carcinoma in mouse” (by Paola Aulino, Emanuele Berardi, Veronica Cardillo, Emanuele Rizzuto, Barbara Perniconi, Carla Ramina, Fabrizio Padula, Enrico P. Spugnini, Alfonso Baldi, Fabio Faiola, Sergio Adamo and Dario Coletti), MS: 1918516035306890.

Below please find the responses to the specific points addressed by Reviewer 1 (no further concerns were expressed by Reviewer 2). Original comments are cited in blue. All corrections are highlighted in the text.

**Reviewer #1 (Remarks for the Author):**

[...]

**Minor Essential Revisions:**

1. Ref. #39 is incomplete.
   The reference was corrected.

2. Fig 2 legend - What does 9<n<22 mean? Where is M2 description.
   We defined “n” as the number of replicates in the figure legend. M2 and M4 were also defined.

3. Table 1 - (4<n<10)?
   We defined “n” as the number of replicates in the table legend.

4. typos in Fig legend 4.
   We corrected several typos in the figure legend.
5. Conclusion - Weight loss of at least 5% in 12 months does not apply to mice or man. For mice 20% weigh loss in 4 weeks is more the norm, and for human 5% weight loss in 3 or 6 months (depends on the tumor) is the norm with 10% loss in severe cachexia.

We incorporated this concept into the conclusion (p. 21).

6. Guttridge and his group showed some time ago (2004) that the myosin heavy chain is selectively targeted during cachexia in the C26 model. The is relevant to discussion on page 19 and should be included.

Reference to the suggested paper and a short sentence were added on p. 19.


Several mistakes were fixed.

For all the above we think we addressed all the criticisms raised by the referee and we hope that our revised manuscript can be found suitable for publication on BMC Cancer.

Kind regards,

Sergio Adamo, M.D.
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