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**Effect of aging on stem cells**

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**Response to the Reviewers' comments:**

Reviewer#1 (reviewer code: 02446319): A well-organized report with respect to the effect of aging on stem cell. If the feed is better utilized to announce the figure it would have been better.

*Response:* Thank you for the comment. We do not quite understand the sentence "if the feed is better utilized". We assume that the Reviewer meant to say that "if the lead is better".

Accordingly, we have revised the manuscript accordingly to better introduce Figure 1. Please see page 7, lines 18-19.

Reviewer #2 (reviewer code: 02446280): The manuscript "The effect of aging on stem cells" focuses on the various aging disease-related stem cell dysfunction and addresses the several potential mechanisms that cause stem cell dysfunction during the aging. Overall manuscript is well written however I would suggest to shorten the reference list citing only important research papers or recent reviews. microRNAs are now to be considered an important players in many natural or pathological processes however most scientists considered them as a epigenetic regulators. Therefore, changes in microRNA expression patten is epigenetic alteration during stem cell aging and perhaps these paragraphs should be combined.

*Response:* In light of the criticism, we shortened the number of references from 136 to 110. We also combine the discussion of microRNA information with that of epigenetic alteration. Please see pages 10-11.

Reviewer #3 (reviewer code: 02446219): The manuscript is interesting and well-designed with helpful information.

*Response:* We thank the Reviewer for the compliment.

