Reviewer's report

Title: Centipede Grass exerts anti-adipogenic activity through inhibition of the AKT signaling pathway

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Reviewer: Isao Matsui-Yuasa

Reviewer's report:

The authors described that Centipede grass extract has antiadipogenic activity by inhibiting the expression of regulators of adipogenesis and Akt signaling pathway.

The study design is sound.

Minor comments
1. The authors should discuss whether the anti-adipogenic effect of CG is depend on C-glycosyl flavones or phenolic consituents containing in CG.
2. In Figure legends The authors describe that 3T3-L1 preadipocytes was (were) incubated with DMII media for 4 or 6 days and treated with different concentration of CG every day. Did the medium is changed every day?.

Then the authors should described on the medium using for experiment on cell viability in Methods

Level of interest: An article of importance in its field

Quality of written English: Needs some language corrections before being published

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

I declare that I have no competing interests