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## JOURNAL EDITOR-IN-CHIEF'S REVIEW REPORT

**Name of journal:** World Journal of Stem Cells

**Manuscript NO:** 45091

**Title:** Modelling mitochondrial dysfunction in Alzheimer's disease using human induced pluripotent stem cells

**Journal Editor-in-Chief (Associate Editor):** Carlo Ventura

**Country:** Italy

**Editorial Director:** Jin-Lei Wang

**Date sent for review:** 2019-03-19

**Date reviewed:** 2019-03-20

ACADEMIC CONTENT EVALUATION	LANGUAGE QUALITY EVALUATION	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept
<input checked="" type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	<input checked="" type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		<input type="checkbox"/> Major revision

### JOURNAL EDITOR-IN-CHIEF (ASSOCIATE EDITOR) COMMENTS TO AUTHORS

In this review article, the Authors focus on the potential of induced pluripotent stem cell (iPSC)-based model systems to provide new insights into the cellular pathophysiology of neurodegeneration in patients with Alzheimer's disease. The Authors have also considered the use of iPSCs as a potential platform from drug discovery, focusing their discussion on the specific role of mitochondrial dysfunction in the onset/progression of the disease. On the whole, this is a nice and updated review, well balanced on both the background "history" and the chance of using iPSCs to pave the way to innovative strategies for disease modeling and novel therapeutic assessment.