Reviewer's report

Title: Treatment of progressive supranuclear palsy with autologous adipose tissue-derived mesenchymal stem cells: a case report

Version: 4 Date: 14 November 2013

Reviewer: Damian Garcia-Olmo

Which of the following following best describes what type of case report this is?: Other

If other, please specify:

This case propose a new treatment of palsy associated to Parkinson disease.

Has the case been reported coherently?: Yes

Is the case report authentic?: Yes

Is the case report ethical?: Yes

Is there any missing information that you think must be added before publication?: Yes

Is this case worth reporting?: Yes

Is the case report persuasive?: Yes

Does the case report have explanatory value?: No

Does the case report have diagnostic value?: No

Will the case report make a difference to clinical practice?: No

Is the anonymity of the patient protected?: Yes

Comments to authors:

This clinical case show a decrease of progressive supranuclear palsy using autologous adipose tissue-derived mesenchymal stem cells. Had an important weakness for an exact interpretation: mix to different routes of administration (Intravenous and intrathecal). Nevertheless, could be the first case report using adipose tissue-derived mesenchymal stem cells to treat palsy under this conditions.

Quality of written English: Acceptable
**Declaration of competing interests:**

D. García-Olmo is a member of the Advisory Board of Tigenix S.A.U and have applied for two patents related to cell therapy titled “Identification and isolation of multipotent cells from non-osteochondral mesenchymal tissue” (WO 2006/057649) and “Use of adipose tissue-derived stromal stem cells in treating fistula” (WO 2006/136244).