Reviewer’s report

Title: Human amniotic fluid stem cell injection therapy for urethral sphincter regeneration in animal model

Version: 1 Date: 21 March 2012

Reviewer: Tokunori Yamamoto

Reviewer’s report:

Major: no major problems.

How is the rates of the implants in function to the sphincter muscle in animal model?

As you know, a mesenchymal stem cell differentiated to myogenic elements. You detected that myogenic differentiation was induced, hAFSCs expressed of PAX7 and MYOD at day3, and DYSTROPHIN at day 7.

How is normal urethral sphincter regeneration?

We agree that the normal urethral sphincter regeneration using mesenchymal stem cell had in situ-differentiation and paracrine effect of hAFSCs.