

## Institutional review board statement

This study was reviewed and approved by the Tohoku University Graduate School of Medicine Institutional Review Board.

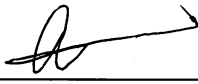
Name: Eriko Nakano

Signature: Eriko Nakano Date: 4.29.2015

Name: Atsushi Kanno

Signature: Atsushi Kanno Date: Apr. 29.2015

Name: Atsushi Masamune

Signature:  Date: Apr. 29 2015

Name: Naoki Yoshida

Signature: Naoki Yoshida Date: 4.29.2015

Name: Seiji Hongo

Signature: Seiji Hongo Date: 4.29.2015

Name: Shin Miura

Signature: Shin Miura Date: Apr. 29.2015

Name: Tetsuya Takikawa

Signature: Tetsuya Takikawa Date: Apr. 29, 2015

Name: Shin Hamada

Signature:  Date: 4.29.2015

Name: Kiyoshi Kume

Signature: Kiyoshi Kume Date: April 29, 2015

Name: Kazuhiro Kikuta

Signature: Kazuhiro Kikuta Date: Apr 29 2015

Name: Morihisa Hirota

Signature: Morihisa Hirota Date: 4.28 :2015

Name: Keisuke Nakayama

Signature: Keisuke Nakayama Date: 4.29.2015

Name: Fumiyoshi Fujishima

Signature: Fumiyoshi Fujishima Date: Apr. 29, 2015

Name: Tooru Shimosegawa

Signature: Tooru Shimosegawa Date: Apr. 29, 2015