

Supplementary Materials: Histological and Immunohistochemical Analyses of Repair of the Disc in the Rabbit Temporomandibular Joint Using a Collagen Template

Kuo-Hwa Wang ^{1,†}, Wing P. Chan ^{2,†}, Li-Hsuan Chiu ³, Yu-Hui Tsai ⁴, Chia-Lang Fang ⁵, Charn-Bing Yang ¹, Kuan-Chou Chen ¹, Hung-Li Tsai ^{4,‡} and Wen-Fu Lai ^{1,3,6,*}

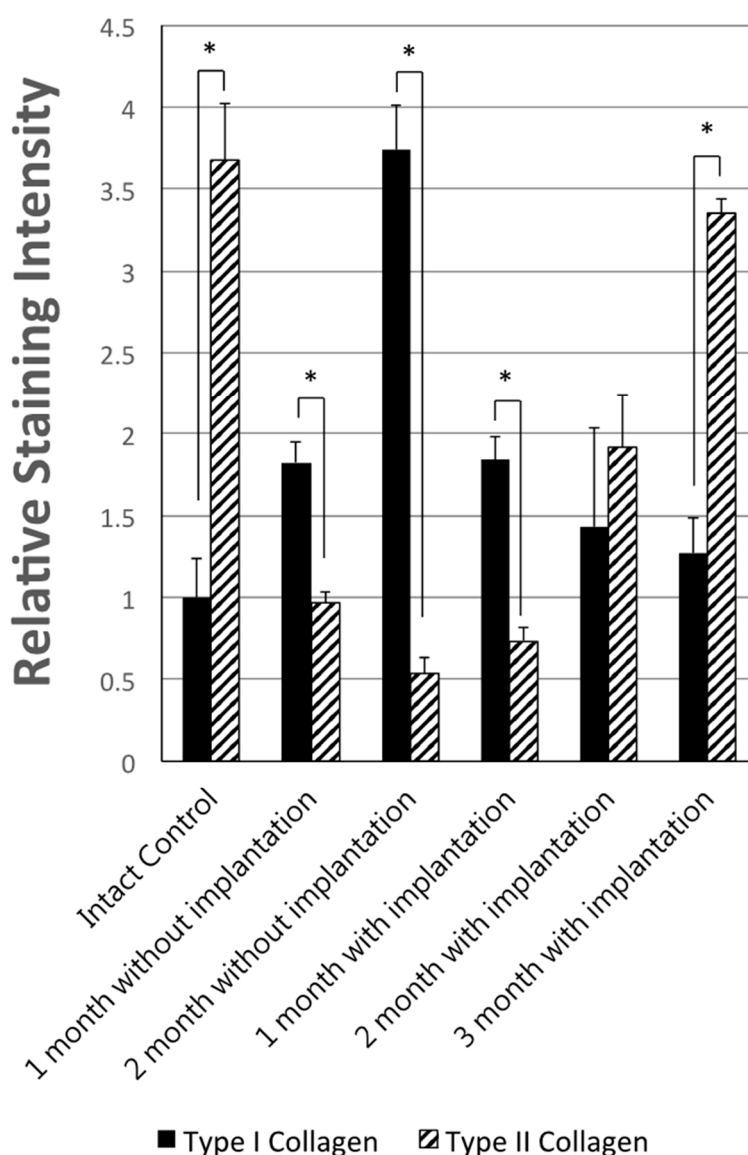


Figure S1. Relative immunostaining intensities of type I and II collagen in the condyle with and without collagen template implantation.

The ratio of type II to type I collagen-staining level was measured approximately 3.7 to 1 in the intact control. Type I collagen gradually increased at 1-month and 2-month after the discectomy without implantation, while type II collagen significantly decreased. At the first month after implantation, type I collagen increase and type II collagen decreased. At 2 month after implantation, type I collagen decreased and type II collagen increased compared to the 2-month untreated groups. At 3 month after implantation, the staining level of both collagens returned to normal state and the ratio of type II to I collagen reached approximately 3.4 to 1, which is similar to the intact control.