

Supplemental table 1: Statistical Analysis of Secondary Efficacy outcomes (n=53)

KOOS, Knee Injury and Osteoarthritis Score; SF-36, Short Form Health Survey; PCS Physical Component Summary; MCS, Mental Component Summary. Statistical Analysis were performed by comparison to baseline.

	Baseline	M1	M3	M6
KOOS total score, mean $\pm$ SD	43.5 $\pm$ 14.3	60.5 $\pm$ 17.7 <i>p</i> <0.001	67.6 $\pm$ 20.9 <i>p</i> <0.001	66.4 $\pm$ 21.7 <i>p</i> <0.001
KOOS other symptoms score, mean $\pm$ SD	55.2 $\pm$ 20.5	68.0 $\pm$ 21.4 <i>p</i> <0.001	74.7 $\pm$ 20.9 <i>p</i> <0.001	72.5 $\pm$ 23.3 <i>p</i> <0.001
KOOS pain score, mean $\pm$ SD	51.1 $\pm$ 13.2	68.9 $\pm$ 18.2 <i>p</i> <0.001	75.2 $\pm$ 19.2 <i>p</i> <0.001	72.3 $\pm$ 21.4 <i>p</i> <0.001
KOOS function in daily living score, mean $\pm$ SD	54.1 $\pm$ 16.6	72.7 $\pm$ 19.5 <i>p</i> <0.001	78.3 $\pm$ 20.5 <i>p</i> <0.001	77.5 $\pm$ 20.8 <i>p</i> <0.001
KOOS sport and recreation score, mean $\pm$ SD	26.9 $\pm$ 17.8	45.6 $\pm$ 24.8 <i>p</i> <0.001	54.1 $\pm$ 27.5 <i>p</i> <0.001	53.3 $\pm$ 28.1 <i>p</i> <0.001
KOOS quality of life, mean $\pm$ SD	30.0 $\pm$ 18.3	46.8 $\pm$ 22.7 <i>p</i> <0.001	55.6 $\pm$ 28.1 <i>p</i> <0.001	56.5 $\pm$ 28.2 <i>p</i> <0.001
Observed Pain on 50-foot walk test (0-100), mean $\pm$ SD	37.5 $\pm$ 25.1	20.2 $\pm$ 23.3 <i>p</i> <0.001	17.8 $\pm$ 26.0 <i>p</i> <0.001	12.9 $\pm$ 20.9 <i>p</i> <0.001
Previous week VAS arthrosis activity (0-100) , mean $\pm$ SD	56.9 $\pm$ 18.4	40.0 $\pm$ 24.8 <i>p</i> <0.001	34.8 $\pm$ 29.3 <i>p</i> <0.001	34.2 $\pm$ 28.7 <i>p</i> <0.001
Previous week VAS damages caused by arthrosis (0-100) , mean $\pm$ SD	62.3 $\pm$ 19.6	45.8 $\pm$ 23.3 <i>p</i> <0.001	38.5 $\pm$ 26.2 <i>p</i> <0.001	42.1 $\pm$ 24.5 <i>p</i> <0.001
Previous week VAS global health (0-100) , mean $\pm$ SD	72.1 $\pm$ 16.0	74.0 $\pm$ 17.5 <i>p</i> =1	75.6 $\pm$ 21.6 <i>p</i> =0.96	73.1 $\pm$ 24.4 <i>p</i> =1
SF-36 PCS (0-100) , mean $\pm$ SD	37.4 $\pm$ 9.3	43.7 $\pm$ 10.8 <i>p</i> <0.001	46.8 $\pm$ 11.8 <i>p</i> <0.001	46.1 $\pm$ 12.8 <i>p</i> <0.001
SF-36 MCS (0-100) , mean $\pm$ SD	40.1 $\pm$ 8.9	41.3 $\pm$ 7.4 <i>p</i> =1	41.3 $\pm$ 7.8 <i>p</i> =1	42.5 $\pm$ 7.4 <i>p</i> =0.72