

This data is based on our advanced treatment registry which collects outcome information as patients are treated. In particular, it doesn't generalize to all knee stem cell procedures (only Regenexx-SD). Our biostatistician queried and analyzed functional and pain questionnaire data from our advanced registry from **18 different Regenexx Network sites**. [Click here for the 2013 data.](#)

## Pain and Function Data

### Fall 2014 710 Treated Patients

**Caution!** This is registry data, which is not the same as a drug company style controlled trial.



## What was measured ?

-0-10 Numerical Pain Scale

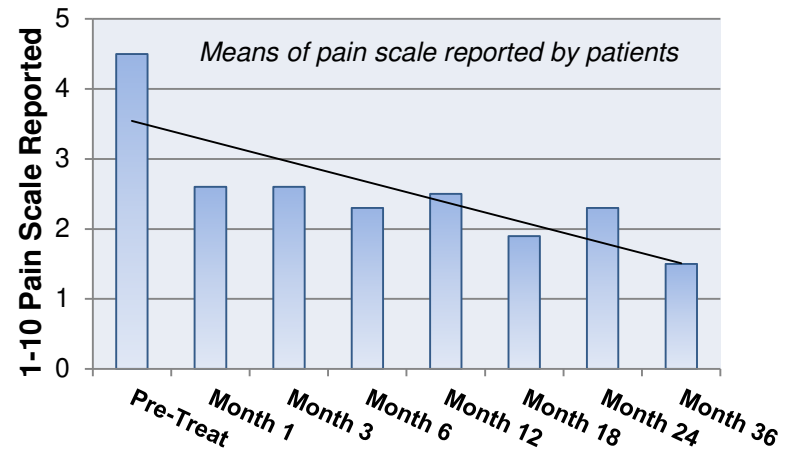
-The Lower Extremity Function Scale:

(standardized functional questionnaire):

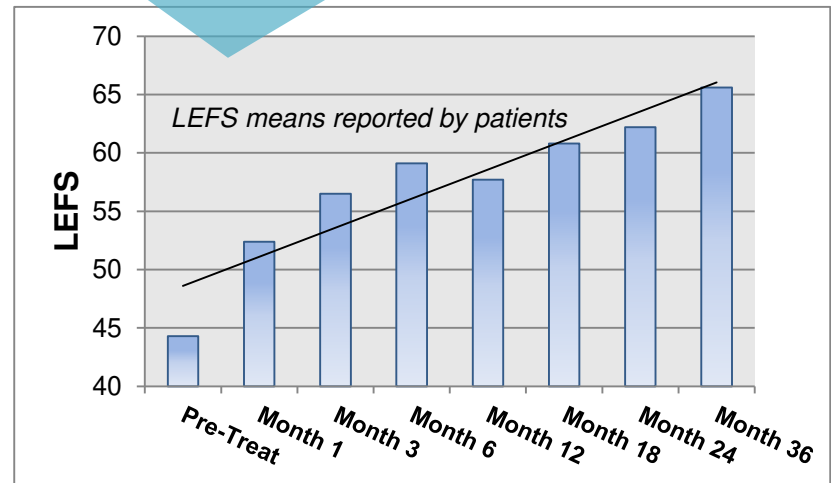
- *Work, sporting, and household activities*
- *Dressing ability*
- *Walking, running, climbing stairs*



The Regenexx-SD procedure is a same day bone marrow stem cell procedure that isolates the fractions of bone marrow that have the most stem cells.



What does this mean? These figures show a decrease in pain and increase in function observed after Regenexx-SD treatment. The figure above illustrates the average pain scale report pre-treatment and at various time points post-treatment (range from 0, no pain to 10, worst pain). Similarly, the average LEFS score is illustrated below from before to after the procedure at various time points. In this scale, higher scores equal more function.



Details For Analysis: Patients with available pain scores were 710, 396, 402, 307, 155, 102, 82, and 46 at the sequential time points (starting at pre-treatment and ending with 36 months post-treatment). Patients with available LEFS score were 662, 388, 394, 290, 149, 98, 78 and 43 at the same sequential time points. It should be noted that this dataset contains both Regenexx-SD and Regenexx-SD Plus cases.