Collection

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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 hip stem cell procedures (only Regenexx-SD). Our biostatistician queried data collected by our Chicago RegenexxNetwork site (Mitchell Sheinkop, M.D.) that measured range of motion and hip outcome using various standardized outcome questionnaires.

<u>Summary</u>

- Significantly decreased hip range of motion is associated with poorer outcomes from a Regenexx-SD hip procedure.
- The patient numbers here are less than in some infographics, so this analysis could change once more range of motion measurements become available.

What does this mean?

These are the means of improvement for each scale in patients who had good or boor range of motion (ROM) in either all planes (Total) or just hip bent forward or backward (Flexion/Extension). Note that the patients with "Good" ROM have higher scores (higher bars) than the patients with "Poor" ROM. These differences were statistically significant (p= or < 0.1).





he Regenexx-SD procedure is same day bone marrow stem ell procedure that isolates the ractions of bone marrow that have the most stem cells.





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

Does your lack of hip range of motion matter? Yes



Details for Charts: X-axis indicates the baseline status (Poor ROM vs. Good ROM). The y-axis is the mean of improvement on SF12, HHS and Pain scales (1st chart) and the percentage of improvement for active and very active events (2nd chart). *Analysis:* Mann-Whitney and Fisher Exact tests for continuous and categorical outcomes respectively. *Total n's and significance for each graph:* Total ROM and SF12-P (n=19, P-value=0.07), Flexion/Extension ROM and HHS (n=22, P-value=0.08), Flexion/Extension ROM and Pain (n=22, P-value=0.1), Flexion/Extension ROM and SF12-P (n=19, P-value=0.08), Total ROM and active events (n=23, P-value=0.03), Flexion/Extension ROM and very active event (n=23, P-value=0.06).