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Abstracts

Moximed - KineSpring System: A new way to treat medial osteoarthritis

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Osteoarthritis (OA) of the knee is a major public health problem whose prevalence is expected to grow dramatically with the aging of the population and increasing rates of obesity.

Besides this numerous studies have shown a correlation between load, disease progression and pain in medial osteoarthritic knees.

Several unloading interventions such as weight loss, wedged insoles, knee braces, HTO, and joint distraction provide proof of concept.

The goal is to expand upon these preliminary findings to develop and evaluate minimally invasive modalities that effectively alter the joint loading patterns and clinical course of this disease.

To help restore normal joint loading conditions, the KineSpring System's absorber component reduces loads on the medial knee during the stance phase of gait and remains passive during the swing phase of gait. It is implanted extra-capsular and extra-articular in the subcutaneous tissue alongside the medial aspect of the joint. There is no need to remove bone, ligament, or cartilage.

This presentation shows a new way to treat medial osteoarthritis especially for middle aged patient or for patients that are not ideal for HTO or unicompartmental knee replacements.