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## **Intervertebral Differential Dynamics Therapy: a Non-invasive Approach In The Treatment Of Low Back Pain**

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### *Abstract:*

**Introduction:** Back pain is a perception caused by tissue injury producing an emotional response. IDD therapy can assist the Neurosurgeon in the initial treatment of low back pain due to degenerative disc disease, as well as patients with failed back syndrome. Patients who experience pain often have accompanying depression. IDD therapy can significantly improve back pain in patients who have depression due to degenerative disc disease. We have treated over 1500 patients to date.

**Methods:** This is a preliminary retrospective analysis of 465 patients treated with IDD therapy from November 2003 to April 2006. Success with IDD therapy was rated by patients post treatment with an average of 1 year follow up. IDD success rate was assessed by a 50% or greater decrease in back pain. A Zung self rated depression score was administered to a sample of 50 patients.

**Results:** There was an overall 88% success rate with a 92% success rate in patients who were considered surgical candidates. Patients with depression significantly improved in pain  $p < .0001$ . Patients who reported success in treatment also reported a significant improvement in lifestyle  $p < .0001$ . Patients reporting initial success in treatment continued to have a significant reduction in pain 2 months to 2 years follow up  $p < .0001$ .

**Conclusions:** As these analyses are preliminary in nature. I hope to convey information moving the perception and treatment of low back pain to a non-invasive approach utilizing IDD Therapy and recognizing the complexity of our patients.

**Author Disclosure Information:** D.E. McClure, None; A.C. McClure, None.

**Subject Category (Complete):** Pain

**Presentation Preference (Complete):** Oral or Poster Presentation

**Keyword (Complete):** Intervertebral Differential Dynamics Therapy ; Low Back Pain ; Depression ; Degenerative Disc Disease

**Additional Info (Complete):**

\***Study Design:** Retrospective Chart Review

\***Previously Presented or Published?:** yes

**Explanation of previous presentation:** : Workshop presentation at Britspine 2006, Cardiff Wales, and publication in European Musculoskeletal Review 2006.

\***Submitted to another meeting?:** no

\***Sponsor Name:** : Dennis E. McClure MD