



## **In FACET TROPISM**

***Published Articles***

Cox JM, Aspegren DD, Krider-Trier K: Facet tropism: comparison of plain film and computed tomography examinations. *J Of Manipulative And Physiological Therapeutics* 1991; 14(6):355-360

This study compares the findings of plain film x-ray and computed CT examination in the diagnosis of facet orientation and the presence of tropism. Twenty consecutive patients having lumbar disc disease with sciatica were studied using plain x-ray as well as CT scanning. A chiropractic radiologist read the films to determine if facet facings were sagittally, semi-sagittally, or coronally oriented on both CT and plain x-ray study. CT was accepted as the most accurate method to determine the true facet orientation, and plain x-ray interpretation of facet orientation was compared to the CT reading. There was a statistically significant relationship in diagnosing tropism between plain film x-ray and CT readings, with a predictive accuracy that ranged from 58-84% across the three segmental levels. However, the exact concordance of plain film x-ray and CT readings for right and left facet facings was very low. This raises the question of how the profession defines diagnostic accuracy.