Medix Radiology LLC

PATIENT'S NAME:	**Doe, John**	**AGE:**	**23**
REFERRED BY:	**Dr. Coleman**	**ANALYSIS:**	**04/17/2007**
DATE OF FILMS:	**01/16/07**	**REPORT:**	**04/18/2007**

RADIOGRAPHIC BIOMECHANICAL REPORT

This report is based upon biomechanical analysis and protocols that have been established for roentgenological digitization of the spine. This evaluation will not include a pathological report. Radiographic images used were of acceptable quality and in compliance with normal protocols for x-ray digitization. This report is based on digitization printout.

A/P and Lateral Cervical Spine: There are abnormal AP and Lateral Baselines. Cobb's Angle is measured at C5/C3 = 9.1° (LT.).Abnormal Vertebral Body Rotation is seen in the upper, middle cervical spine. Retrolisthesis at C3 and C5. The Centre of Gravity is 29.46 mm Posterior. Interruptions of the George's Line at C2/C3, C3/C4, C4/C5 and C5/C6 are indicative of ligamentous instability or sub failure. There are abnormal Lateral Vertebral Offsets at C3 and C5.

Cervical Motion Study: There are abnormal AP and Lateral Baselines. The Atlas/Skull angle is 4.63° during flexion and 8.94° during extension. The translational motion segment integrity appears normal. The angular motion segment integrity appears to be below ratable threshold.

IMPRESSIONS:

1. Ligamentous instability is suggested in the cervical spine.
2. Cobb's Angle is measured at C5/C3 = 9.1° (LT.).
3. The Centre of Gravity is 29.46 mm Posterior.
4. Interruptions of the George's Line at C2/C3, C3/C4, C4/C5 and C5/C6 are indicative of ligamentous instability or sub failure.
5. Lateral Posterior Vertebral Offset at C3 and C5.

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Lateral Lumbar Spine: There are abnormal Lateral Baselines. The Ferguson angle appears to be decreased. Retrolisthesis at L1, L2, L3, L4 and L5. There is an abnormal line of weight bearing of 21.03 mm posterior. Interruptions of the George's Line at T12/L1, L1/L2, L2/L3, L3/L4, L4/L5 and L5/S1 are indicative of ligamentous instability or sub failure. There are abnormal Lateral Vertebral Offsets at L1, L2, L3, L4 and L5.

Lumbar Motion Study: There are abnormal Lateral Baselines.

IMPRESSIONS:

1. Ligamentous instability is suggested in the lumbar spine.
2. There is an abnormal line of weight bearing of 21.03 mm posterior.
3. Interruptions of the George's Line at T12/L1, L1/L2, L2/L3, L3/L4, L4/L5 and L5/S1 are indicative of ligamentous instability or sub failure.
4. Lateral Posterior Vertebral Offset at L1, L2, L3 and L5.
5. Lateral Posterior Vertebral Offset at L4=4.72 mm, which is a ratable impairment at 5% whole body.