

exam RESULTS



Prepared for:

Patti

Sample

2/6/2012



The Results of Your Functional Biomechanical Analysis

THIS REPORT INCLUDES:

- Static Postural Analysis
- Spinal range of motion (ROM) analysis
- X-Ray mensuration analysis
- Explanation of your current problem

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exam RESULTS

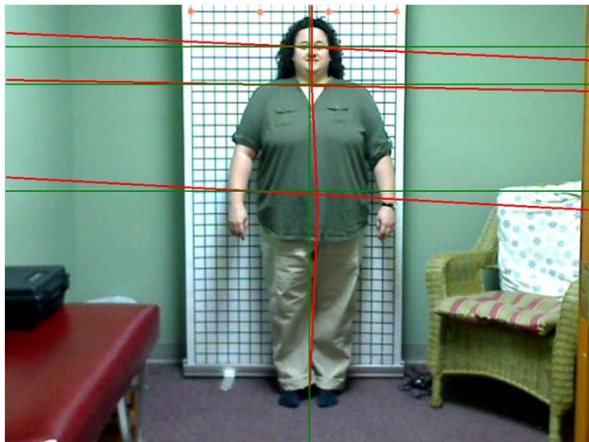


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Postural Analysis



Body Weight (lbs):	255
Lateral Head Shift (in):	0.00
Head Weight (lbs):	19.90
Lat. Head Stress (lbs):	19.90
Lateral Shoulder Shift (in):	1 in
Lateral Hip Shift (in):	1 in
Lateral Head Angle:	-3 Degrees
Lateral Shoulder Angle:	-1 Degrees
Lateral Hip Angle:	-3 Degrees

Body Weight (lbs):	255
Lateral Head Shift (in):	1.05
Head Weight (lbs):	19.90
Ant. Head Stress (lbs):	40.80
Shoulder Shift (in):	1.63 in
Hip Shift (in):	2.21 in
Hip Angle:	10.64 Degree

Normally, the weight of your head is supported and balanced over your shoulders in such a way that puts no abnormal stress on the muscles of your mid back, your shoulder or your neck muscles. If additional load is shifted to one side because of abnormal posture then the muscles on the opposite side of the shift must contract and work harder. When your head is centered properly your muscles use much less energy. When the balance shifts, muscle contraction occurs and pain, muscle spasm and trigger points can occur. Increase in biomechanical stress on the supportive structures of your neck can lead to pain, spasm, arthritic joints, loss of motion, and degeneration of your spinal discs.

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XRAY PRO
BIOMECHANICAL ANALYSIS SOFTWARE

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Cervical Range of Motion Analysis

Flexion

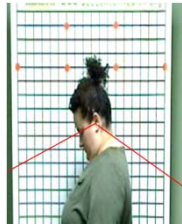
50° normal

You Performed

11 Degrees

22 Percent of normal

3/10 on pain Scale



Extension

60° normal

You Performed

34 Degrees

56.67 Percent of normal

5/10 on pain Scale



Right Rotation

80° normal

You Performed

56 Degrees

70 Percent of normal

0/10 on pain Scale



Left Rotation

80° normal

You Performed

42 Degrees

52.5 Percent of normal

0/10 on pain Scale



Right Flexion

45° normal

You Performed

41 Degrees

91.11 Percent of normal

0/10 on pain Scale



Left Flexion

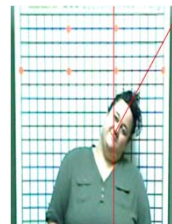
45° normal

You Performed

43 Degrees

95.56 Percent of normal

0/10 on pain Scale



In describing range of motion of the spine, the active range of motion of the injured part is digitally measured in degrees. The values listed for each movement are the norms established by the AMA in the Guides to the Evaluation of Permanent Impairment, 6th edition, copyright 2007.

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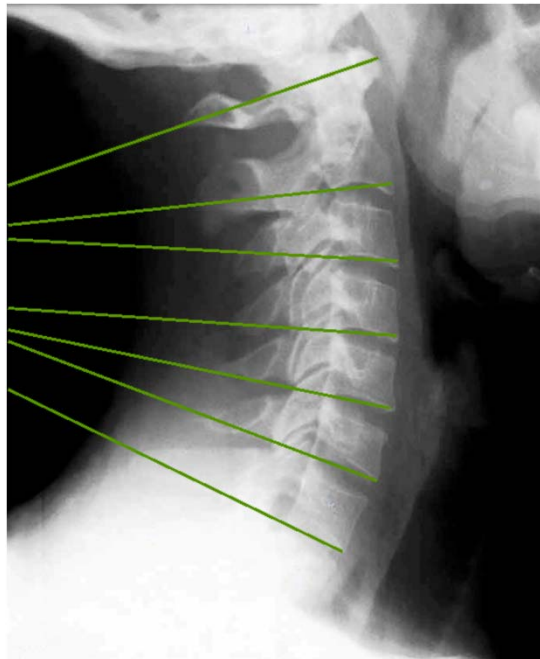
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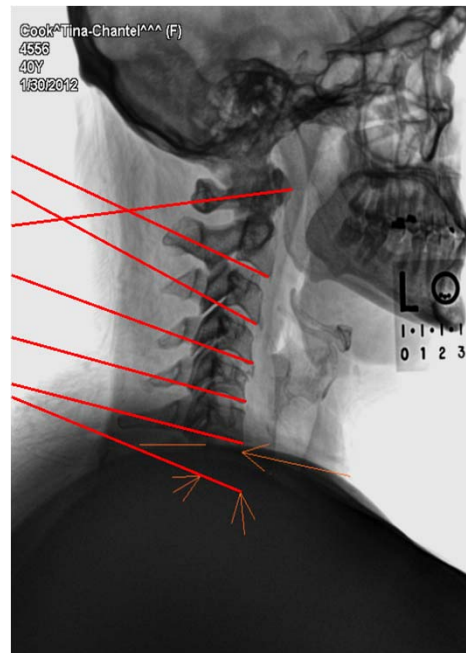
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Lateral Cervical Base Lines



NORMAL RESULT



PATIENT RESULT

Measurement Result: Abnormal Result

Lateral base lines extend posteriorly from the inferior epiphyseal plates of each cervical vertebra. These lines normally meet posteriorly at a common point. This analysis reveals fixed flexion or fixed extension of each cervical vertebrae. If a base line intersects with its superior vertebra's base line, fixed flexion of the inferior vertebrae is present. If a vertebrae's base line intersects with its inferior vertebra, then fixed extension of the superior vertebrae is present. Fixed flexion or extension of a segmental unit can cause biomechanical dysfunction, which can create premature degenerative changes.

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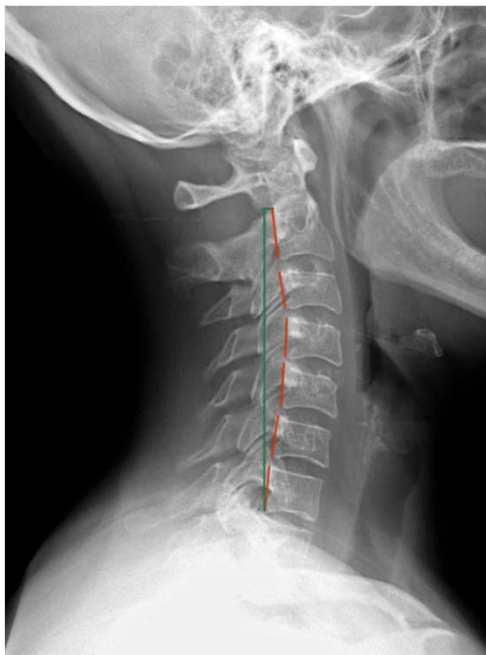
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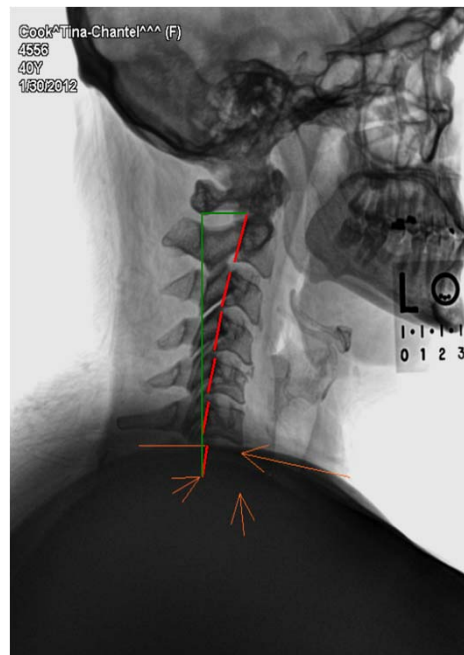
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Forward Head Translation



NORMAL RESULT



PATIENT RESULT

Measurement Result: 23.01 mm Anterior

One of the first indicators of poor posture is a slouching or forward head posture. This posture causes strain on the posterior neck muscles and increases loading on the spinal discs. For every inch (25.4 mm) of forward translation the weight bearing load on the cervical spine increases approximately 10 pounds. There are many causes of this type of posture including car accidents, sports injuries, working with computers and loss of bone density. Most people involved in automobile accidents in which the head is whipped back and forth will suffer loss of the normal spinal curvature in the neck. This leads to muscle strain in order to balance the weight of the head and uneven wearing of the discs and joints of the cervical spine. Another common posture problem is a forward tilt of the pelvis causing anterior weight bearing, an increase in the lumbar lordosis (curvature) and associated muscle weakness. This can lead to chronic lower back pain, muscle pain, sciatica, leg weakness, lower extremity circulation problems and much more. The abnormal spinal weight bearing associated with this type of posture can lead to premature spinal arthritis of the joints and discs.

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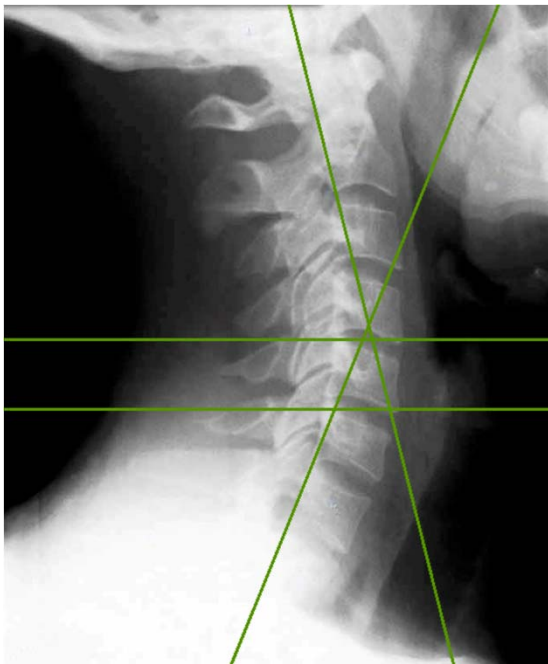
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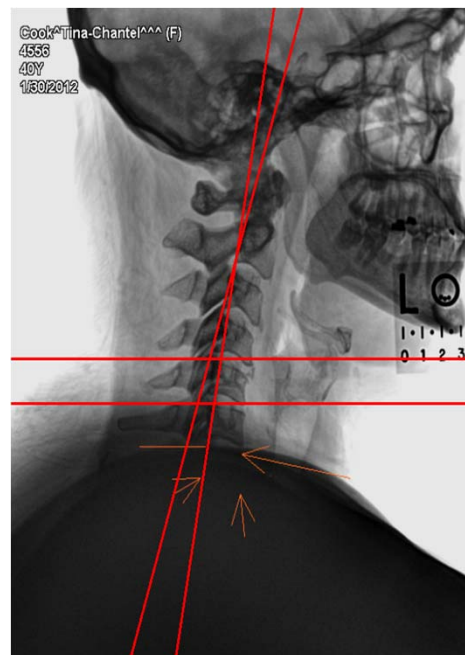
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Ruth Jackson's Angle



NORMAL RESULT



PATIENT RESULT

Measurement Result: 7.09 Degrees

Ruth Jackson's Angle (also referred to as Cervical Stress Lines) forms an angle which averages between 35-45 degrees. On a cervical neutral lateral or extension view these lines intersect at the C4-C5 disc interspace. When the spine is in flexion they intersect at the C5-C6 disc space. The point of intersection represents the location of greatest level of spinal stress in the cervical spine. Subluxation, muscle spasms, abnormal biomechanics, disc degeneration, and/or ligamentous injury may change the stress point's location.

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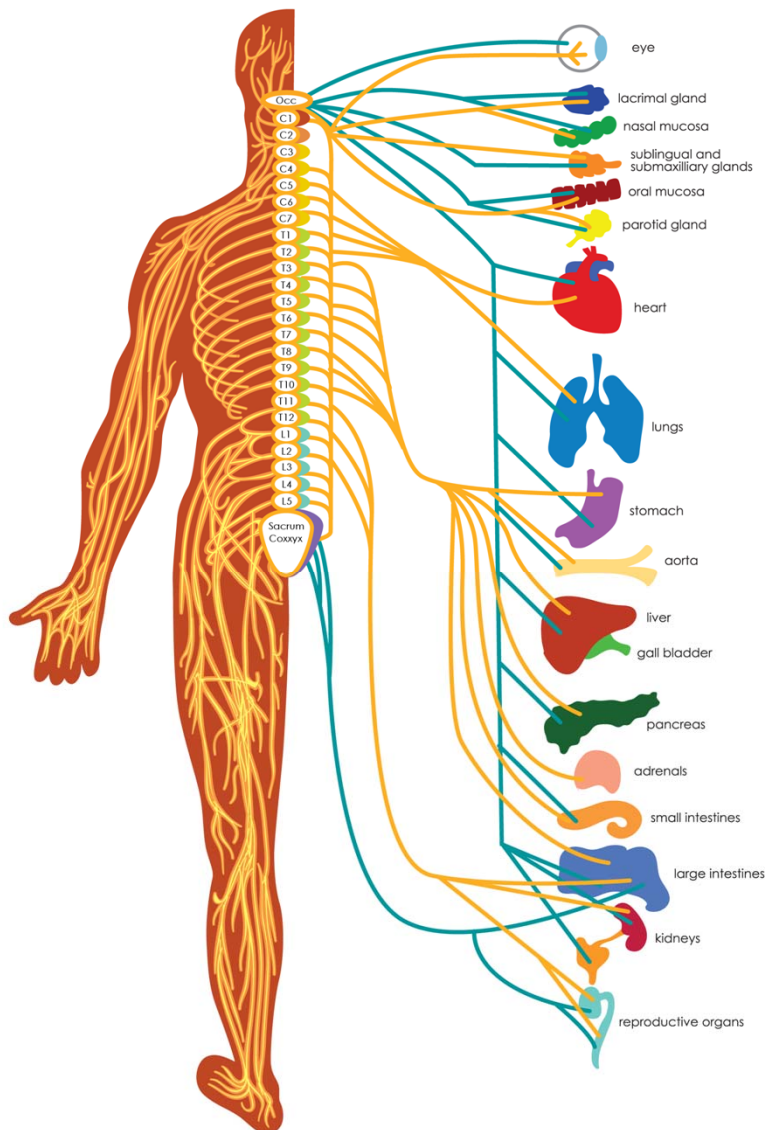
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Subluxation Report



C5 - Shoulders and upper arms, the diaphragm, the vocal cords, neck glands, pharynx. Possible symptoms include shoulder and upper arm pain, breathing difficulties, laryngitis, and throat conditions.

C6 - Shoulders and arms down into the wrists, neck muscles, and tonsils. Possible symptoms include shoulder, arm, and wrist pain, neck pain, tonsillitis, and throat problems.

C7 - Shoulders and arms down into the wrists and hands, thyroid gland, neck and shoulder muscles, and bursa. Possible symptoms include shoulder, arm, wrist, and hand pain, bursitis, neck pain, tonsillitis, and thyroid conditions.

case PLAN



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Office Visits			Modality	#Visits	Price
Daily visits	0	0	Electrical Stimulation	20	\$200.00
3 visits a week	8	24	Traction	20	\$340.00
2 visits a week	0	0	None	20	
1 visit a week	6	6	None	20	
2 visits a month	0	0	None	20	
1 visit a month	0	0	None	20	
1 visit every other month	0	0	None	20	
Total Visits	30		None	20	
			None	20	
			None	20	
			None	20	
				Subtotal	\$540.00

Insurance Coverage			Ext Modalities	#Visits	Price
Insurance Covered Visits	20		Home Cervical Pillow	1	\$45.00
Est Ins Coverage	\$540.00		Home Traction Unit	1	\$50.00
			None	0	
			None	0	
			None	0	
				Subtotal	\$95.00

Total Patient Cost	
Est Patient Cost	\$1,045.00
Prepaid Cost	\$888.25
Per Visit	\$34.83
Care Credit	\$58.06

per month for 18 months based on credit approval

Description	Price
None	\$0.00
Diathermy	\$25.00
Direct Current Galvanic	\$25.00
Dry Needle Therapy	\$65.00
Electrical Stimulation	\$10.00
EMS/TENS Pads	\$10.00
Extremity Adjustments	\$15.00
Heel Lift	\$12.00
Home Cervical Pillow	\$45.00
Home EMS Unit	\$169.00
Home Heat/Cold Pads	\$10.00
Home Instructions	\$10.00
Home TENS Unit	\$169.00
Home Traction Unit	\$50.00
Iontophoresis Pads	\$10.00
Laser/Light Therapy	\$15.00
Massage Therapy	\$40.00
Office Visit Detailed	\$75.00
Office Visit Extended	\$55.00
Orthotics	\$76.00
Re-Exams 99213	\$55.00
Serola Belt	\$45.00
Spinal Adjustments	\$50.00
Theraball with DVD	\$30.00
Therapeutic Exercise	\$15.00
Traction	\$17.00
Vibration Therapy	\$15.00
X-ray Comparison/area	\$35.00
Decompression Therapy	\$30.00

Do Not Change This Line

CASH VISIT FEE AFTER INSURANCE	\$50.00	Copay	Coins
CO-INSURANCE/VISIT	20.00%	0	20
INSURANCE COVERED VISITS	20		
UNMET DEDUCTABLE	\$250.00		
PREPAY SAVINGS %	0.15		
TOTAL CASE FEE	\$540.00		
PATIENT RESPONSIBILITY	\$1,045.00		
PREPAY RESPONSIBLILITY	\$888.25		