

A single mouse-click creates this report automatically comparing different test dates, calculating improvement and limitations.

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Patient: Ms. Sarah Dunn
Date of Loss/Onset: 4/20/2012
SSN: xxx-xx-xxxx
Date of Exam: 3/15/2013
Insurer: State Farm
Date of Birth: 6/3/1992

One of two medical necessity statements for range of motion testing

FUNCTIONAL AND STRUCTURAL ASSESSMENTS

Individual physical test measurements and their calculated values are listed below. The first examination serves as a starting point or baseline for comparison, with subsequent test measurements documenting change over time. In this manner, test scores and functional assessments are used as outcome measures.

RANGE OF MOTION (ROM) Testing - Restriction and/or asymmetry in spinal motion was noted in the physical examination. Active range of motion testing was performed to document the extent of those spinal restrictions and asymmetries using the ZERO-NEUTRAL, GRAVITY-BASED SFTR (Sagittal Frontal Transverse Rotation) METHOD developed by John J. Gerhardt, M.D. Range of motion was tested using either a single inclinometer or dual inclinometers, as recommended on page 400 of the AMA Guides to the Evaluation of Permanent Impairment, 5th Edition. Each test identifies the instrument used. In order to help ensure that the patient was giving an optimum effort, the reproducibility criteria was followed, unless noted otherwise. According to page 399 of the AMA Guides to the Evaluation of Permanent Impairment, 5th Edition, "When measuring range of motion, the examiner should obtain at least three consecutive measurements and calculate the mean (average) of the three. Measurements should not change substantially with repeated efforts. If the average is less than 50°, three consecutive measurements must fall within 5° of the mean; if the average is greater than 50°, three consecutive measurements must fall within 10% of the mean. Motion testing may be repeated up to six times to obtain three consecutive measurements that meet these criteria. If after six measurements inconsistency persists, the spinal motions are considered invalid. The measurements and accompanying impairment estimates may then be disallowed, in part or in their entirety."

According to page 558 of the AMA Guides to the Evaluation of Permanent Impairment, 6th Edition, 'range of motion may be used to monitor clinical progress in individuals.'

You can print this report after the first visit, after each follow-up visit, and after the final visit. Customize as to how many dates you wish to compare.

Comparison of first and last test date automatically calculating **improvement** and **limitation**.

RANGE OF MOTION SESSION REPORT

Cervical Flexion Session Detail

Norm

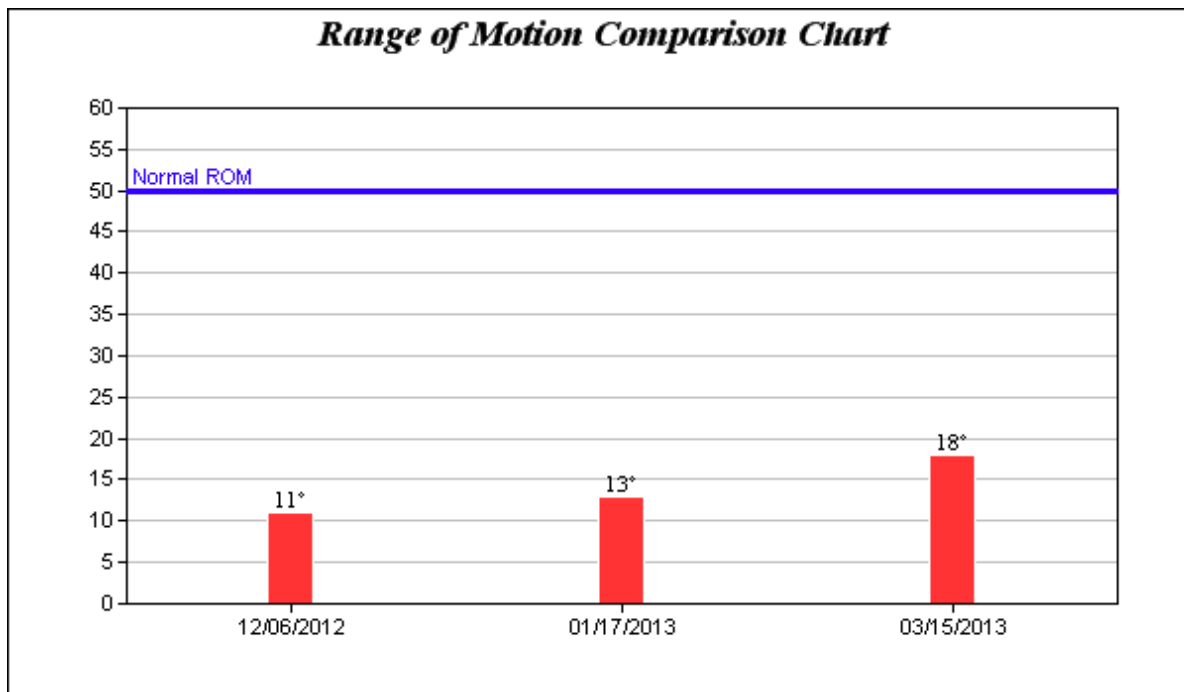
50°

Normative value used from published AMA Guidelines (for comparison and determination of limitation)

| | 12/6/2012 | | | 3/15/2013 | | | % Improvement |
|---------------------------------------|-------------|-----|-----|-------------|-----|-----|---------------|
| Occipital | 13° | 14° | 10° | 18° | 20° | 19° | 64 % |
| T1 | 2° | 3° | 1° | 3° | 3° | 1° | |
| Cervical Flexion Angle | 11° | 11° | 9° | 15° | 17° | 18° | |
| Maximum Cervical Flexion Angle | 11° | | | 18° | | | ° Improvement |
| %Limitation | 78 % | | | 64 % | | | 7° |

Cervical Flexion Comparison Detail

| DATE | ROM | %LIMITATION | %IMPROVEMENT | MEASURED WITH |
|-----------|-----|-------------|--------------|--------------------|
| 12/6/2012 | 11° | 78 % | n/a | Dual Inclinometers |
| 1/17/2013 | 13° | 74 % | 18 % | Dual Inclinometers |
| 3/15/2013 | 18° | 64 % | 38 % | Dual Inclinometers |



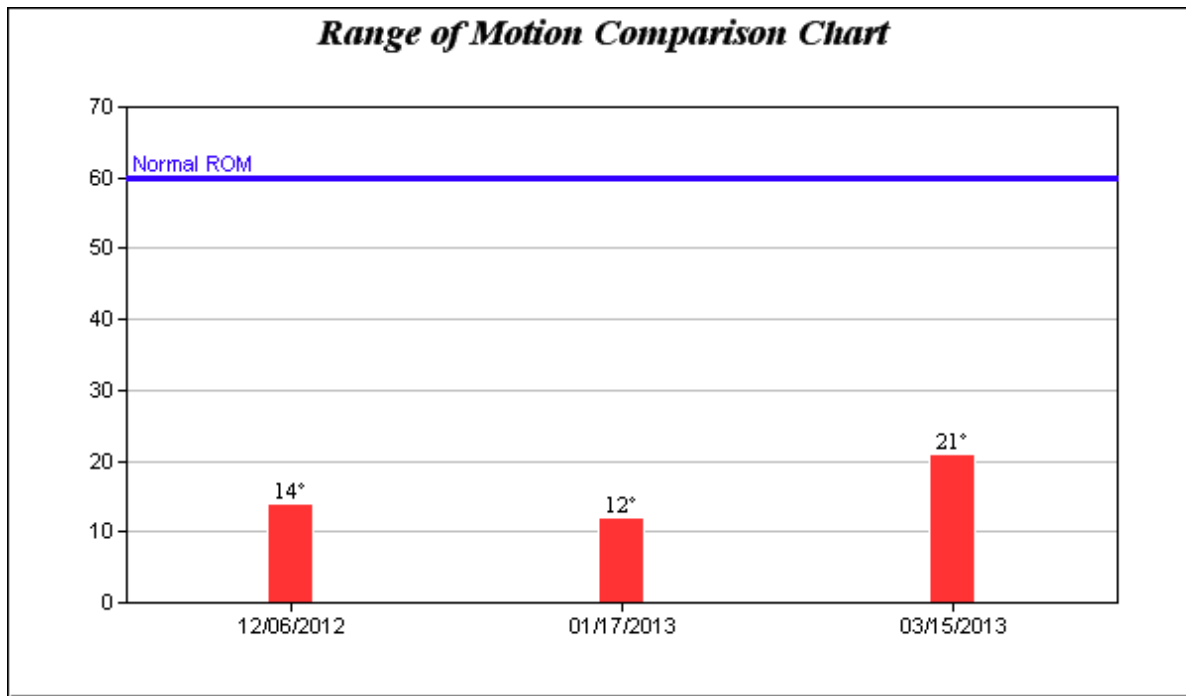
Cervical Extension Session Detail

| | | | | | | | |
|----------------------------------|-------------|-----|-----|-------------|-----|-----|---------------|
| Norm | 12/6/2012 | | | 3/15/2013 | | | % Improvement |
| 60° | | | | | | | 50 % |
| Occipital | 14° | 14° | 12° | 22° | 24° | 24° | |
| T1 | 0° | 1° | 0° | 3° | 3° | 3° | |
| Cervical Extension Angle | 14° | 13° | 12° | 19° | 21° | 21° | |
| Maximum Cervical Extension Angle | 14° | | | 21° | | | ° Improvement |
| %Limitation | 77 % | | | 65 % | | | 7° |

Cervical Extension Comparison Detail

| DATE | ROM | %LIMITATION | %IMPROVEMENT | MEASURE |
|-----------|-----|-------------|--------------|--------------|
| 12/6/2012 | 14° | 77 % | n/a | Dual Inclino |
| 1/17/2013 | 12° | 80 % | -14 % | Dual Inclino |
| 3/15/2013 | 21° | 65 % | 75 % | Dual Inclino |

Improvement and limitation automatically calculated at any time during treatment phase.



Cervical Left Lateral Flexion Session Detail

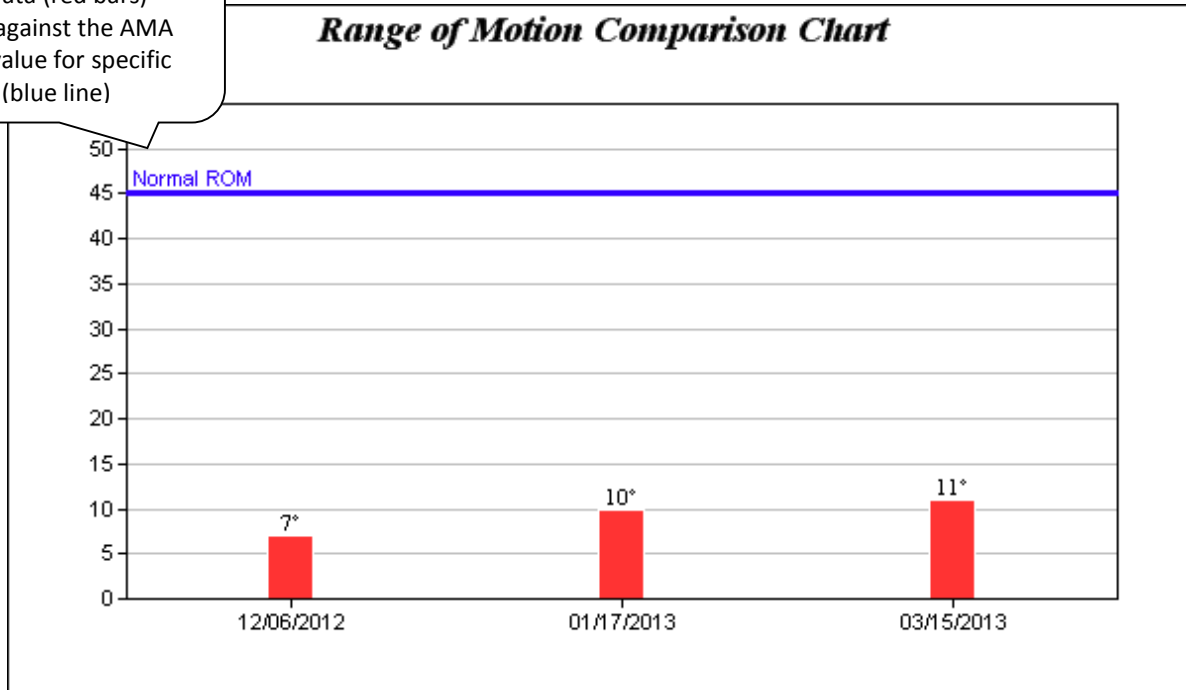
| Norm | 12/6/2012 | | | 3/15/2013 | | | % Improvement |
|---|-----------|-------------|-----|-----------|-------------|-----|---------------|
| 45° | | | | | | | 57 % |
| Occipital | 8° | 9° | 11° | 13° | 14° | 14° | |
| T1 | 3° | 3° | 4° | 2° | 3° | 3° | |
| Cervical Left Lateral Flexion Angle | 5° | 6° | 7° | 11° | 11° | 11° | |
| Maximum Cervical Left Lateral Flexion Angle | | 7° | | | 11° | | ° Improvement |
| %Limitation | | 84 % | | | 76 % | | 4° |

Cervical Left Lateral Flexion Comparison Detail

| DATE | ROM | %LIMITATION | %IMPROVEMENT | MEASURED WITH |
|-----------|-----|-------------|--------------|--------------------|
| 12/6/2012 | 7° | 84 % | n/a | Dual Inclinometers |
| 1/17/2013 | 10° | 78 % | 43 % | Dual Inclinometers |
| 3/15/2013 | 11° | 76 % | 10 % | Dual Inclinometers |

Evaluate progress quickly:
 Patient data (red bars)
 compared against the AMA
 Guideline value for specific
 ROM (blue line)

Range of Motion Comparison Chart

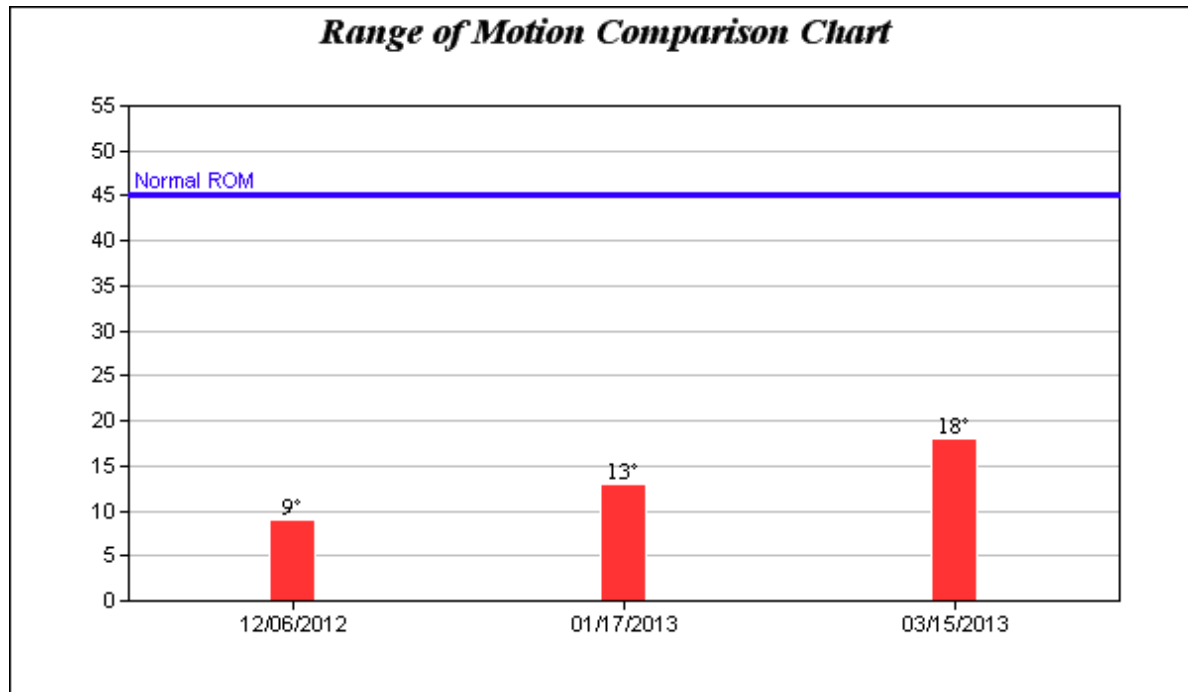


Cervical Right Lateral Flexion Session Detail

| | | | | | | | |
|--|-------------|-----|-----|-------------|-----|-----|---------------|
| Norm | 12/6/2012 | | | 3/15/2013 | | | % Improvement |
| 45° | | | | | | | 100 % |
| Occipital | 9° | 12° | 11° | 17° | 21° | 20° | |
| T1 | 2° | 3° | 3° | 1° | 3° | 4° | |
| Cervical Right Lateral Flexion Angle | 7° | 9° | 8° | 16° | 18° | 18° | |
| Maximum Cervical Right Lateral Flexion Angle | 9° | | | 18° | | | ° Improvement |
| %Limitation | 80 % | | | 60 % | | | 9° |

Cervical Right Lateral Flexion Comparison Detail

| DATE | ROM | %LIMITATION | %IMPROVEMENT | MEASURED WITH |
|-----------|-----|-------------|--------------|--------------------|
| 12/6/2012 | 9° | 80 % | n/a | Dual Inclinometers |
| 1/17/2013 | 13° | 71 % | 44 % | Dual Inclinometers |
| 3/15/2013 | 18° | 60 % | 38 % | Dual Inclinometers |

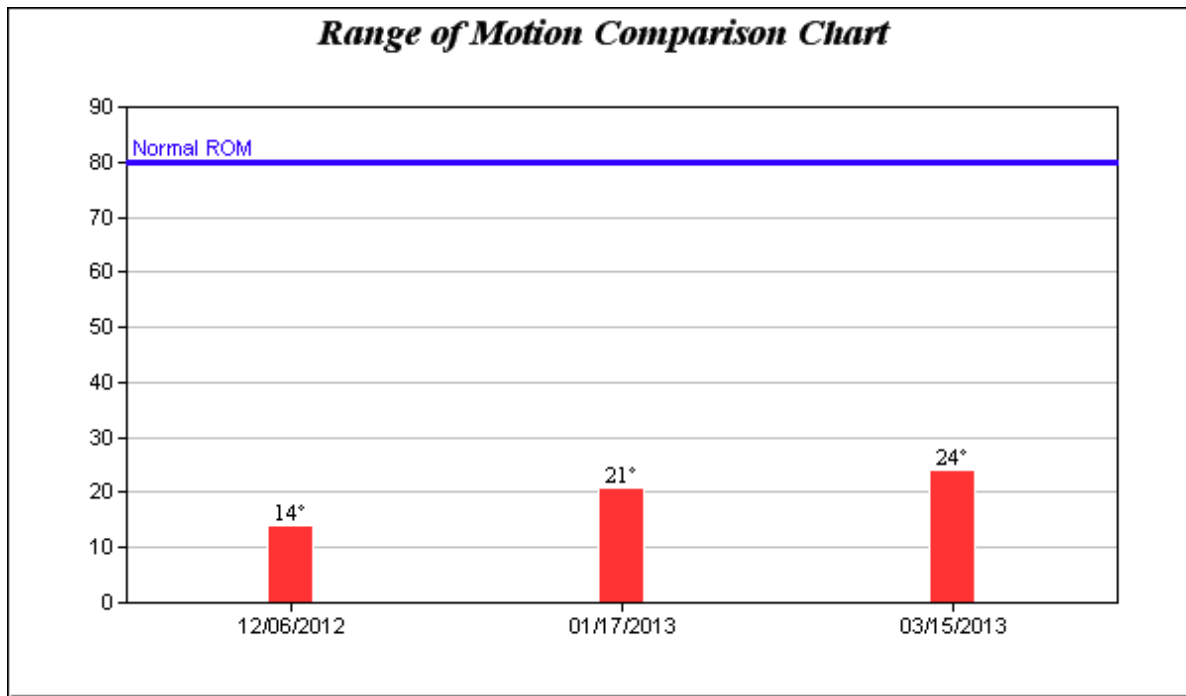


Cervical Left Rotation Session Detail

| | | | | | | | |
|--------------------------------------|-------------|-----|-----|-------------|-----|-----|---------------|
| Norm | 12/6/2012 | | | 3/15/2013 | | | % Improvement |
| 80° | | | | | | | 71 % |
| Occipital | 10° | 14° | 15° | 24° | 21° | 21° | |
| | 0° | 0° | 1° | 0° | 0° | 0° | |
| Cervical Left Rotation Angle | 10° | 14° | 14° | 24° | 21° | 21° | |
| Maximum Cervical Left Rotation Angle | 14° | | | 24° | | | ° Improvement |
| %Limitation | 83 % | | | 70 % | | | 10° |

Cervical Left Rotation Comparison Detail

| DATE | ROM | %LIMITATION | %IMPROVEMENT | MEASURED WITH |
|-----------|-----|-------------|--------------|--------------------|
| 12/6/2012 | 14° | 83 % | n/a | Dual Inclinometers |
| 1/17/2013 | 21° | 74 % | 50 % | Dual Inclinometers |
| 3/15/2013 | 24° | 70 % | 14 % | Dual Inclinometers |

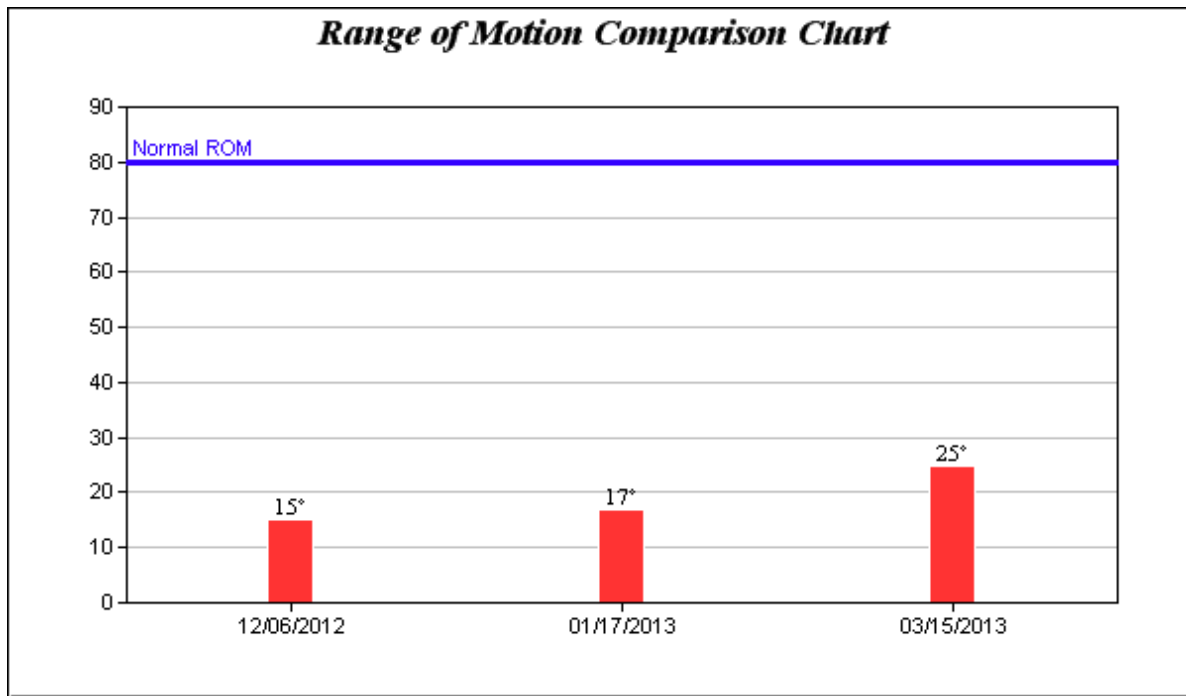


Cervical Right Rotation Session Detail

| | | | | | | | |
|---------------------------------------|-------------|-----|-----|-------------|-----|-----|---------------|
| Norm | 12/6/2012 | | | 3/15/2013 | | | % Improvement |
| 80° | | | | | | | 67 % |
| Occipital | 14° | 12° | 15° | 25° | 24° | 22° | |
| | 0° | 1° | 0° | 0° | 0° | 0° | |
| Cervical Right Rotation Angle | 14° | 11° | 15° | 25° | 24° | 22° | |
| Maximum Cervical Right Rotation Angle | 15° | | | 25° | | | ° Improvement |
| %Limitation | 81 % | | | 69 % | | | 10° |

Cervical Right Rotation Comparison Detail

| DATE | ROM | %LIMITATION | %IMPROVEMENT | MEASURED WITH |
|-----------|-----|-------------|--------------|--------------------|
| 12/6/2012 | 15° | 81 % | n/a | Dual Inclinometers |
| 1/17/2013 | 17° | 79 % | 13 % | Dual Inclinometers |
| 3/15/2013 | 25° | 69 % | 47 % | Dual Inclinometers |

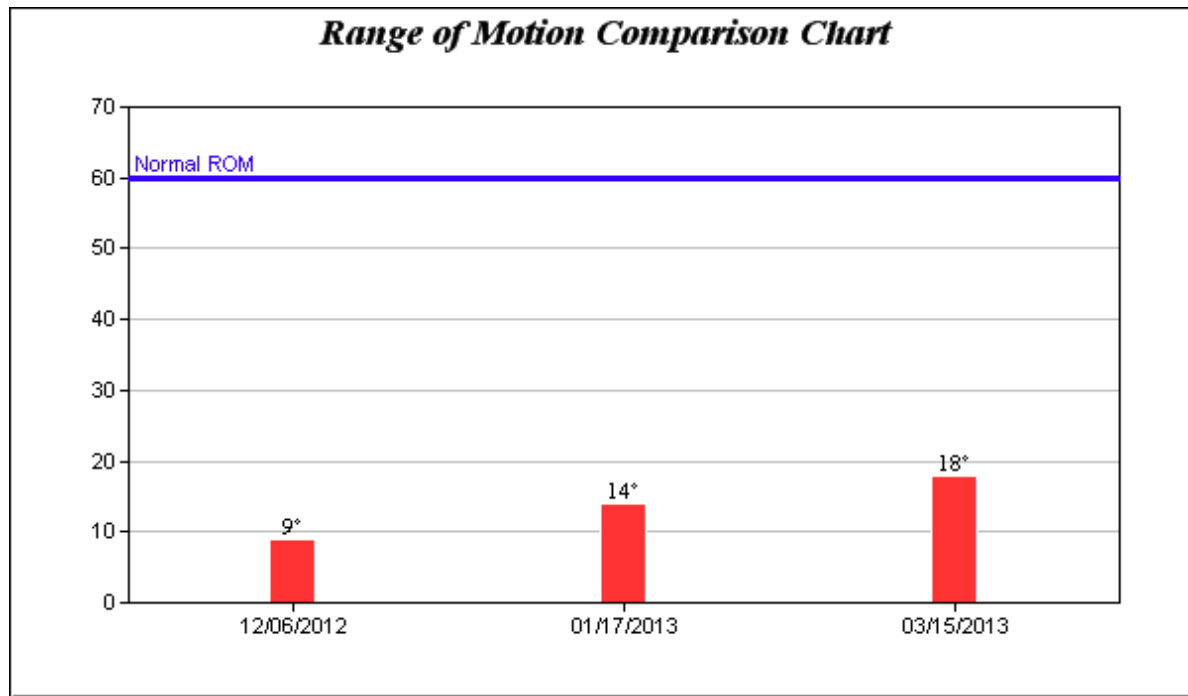


Lumbar Flexion Session Detail

| | | | | | | | |
|------------------------------|-------------|-----|-----|-------------|-----|-----|---------------|
| Norm | 12/6/2012 | | | 3/15/2013 | | | % Improvement |
| 60° | | | | | | | 100 % |
| T12 | 12° | 12° | 11° | 17° | 20° | 21° | |
| Sacral | 3° | 3° | 2° | 0° | 5° | 2° | |
| Lumbar Flexion Angle | 9° | 9° | 9° | 17° | 15° | 18° | |
| Maximum Lumbar Flexion Angle | 9° | | | 18° | | | ° Improvement |
| %Limitation | 85 % | | | 70 % | | | 9° |

Lumbar Flexion Comparison Detail

| DATE | ROM | %LIMITATION | %IMPROVEMENT | MEASURED WITH |
|-----------|-----|-------------|--------------|--------------------|
| 12/6/2012 | 9° | 85 % | n/a | Dual Inclinometers |
| 1/17/2013 | 14° | 77 % | 56 % | Dual Inclinometers |
| 3/15/2013 | 18° | 70 % | 29 % | Dual Inclinometers |

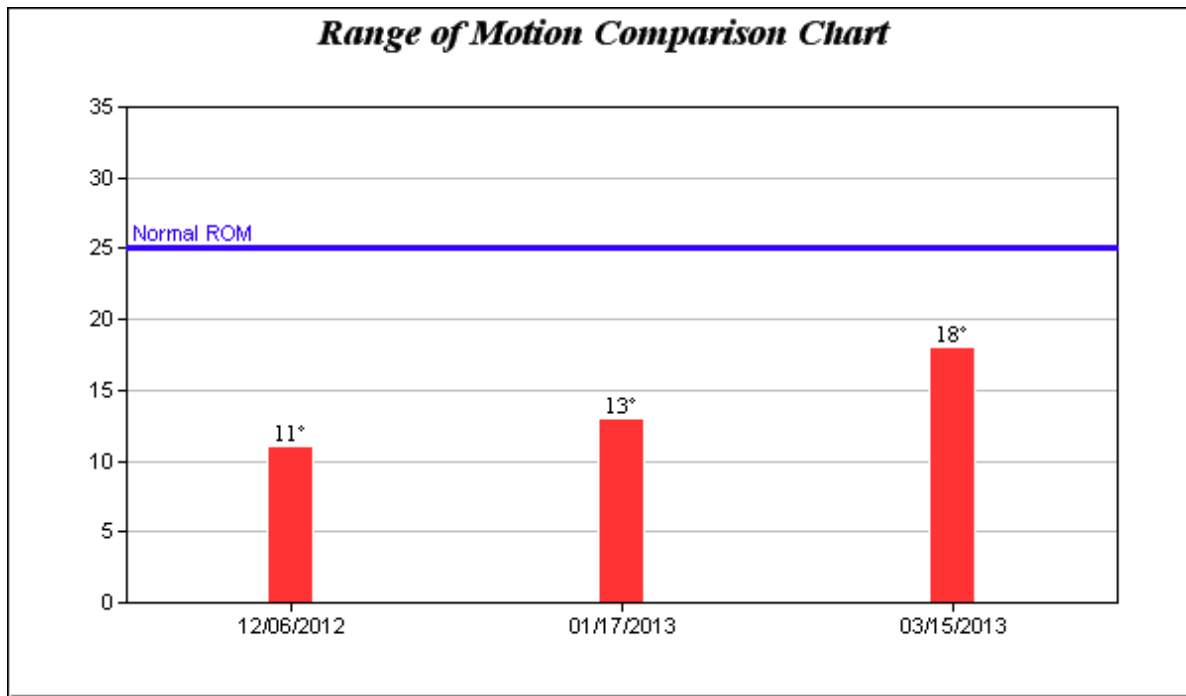


Lumbar Extension Session Detail

| | | | | | | | |
|--------------------------------|-------------|-----|-----|-------------|-----|-----|---------------|
| Norm | 12/6/2012 | | | 3/15/2013 | | | % Improvement |
| 25° | | | | | | | 64 % |
| T12 | 8° | 12° | 11° | 22° | 21° | 18° | |
| Sacral | 0° | 1° | 0° | 4° | 3° | 1° | |
| Lumbar Extension Angle | 8° | 11° | 11° | 18° | 18° | 17° | |
| Maximum Lumbar Extension Angle | 11° | | | 18° | | | ° Improvement |
| %Limitation | 56 % | | | 28 % | | | 7° |

Lumbar Extension Comparison Detail

| DATE | ROM | %LIMITATION | %IMPROVEMENT | MEASURED WITH |
|-----------|-----|-------------|--------------|--------------------|
| 12/6/2012 | 11° | 56 % | n/a | Dual Inclinometers |
| 1/17/2013 | 13° | 48 % | 18 % | Dual Inclinometers |
| 3/15/2013 | 18° | 28 % | 38 % | Dual Inclinometers |

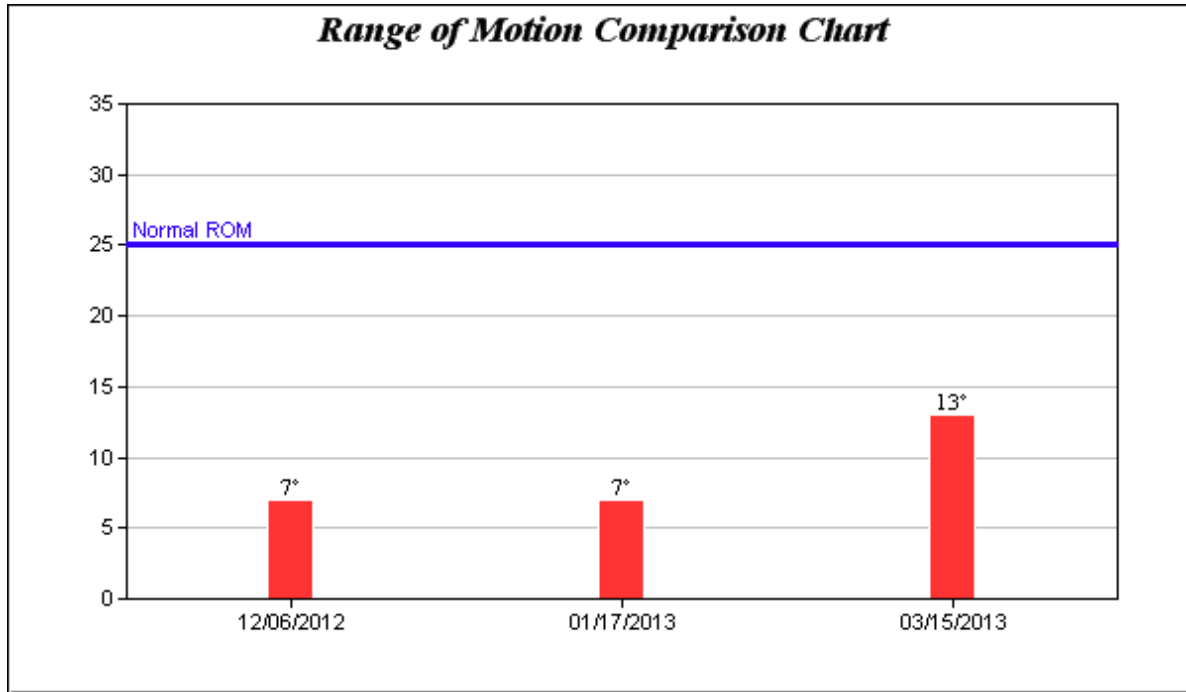


Lumbar Left Lateral Flexion Session Detail

| | | | | | | | |
|---|-----------|----|-----|-----------|-----|-----|---------------|
| Norm | 12/6/2012 | | | 3/15/2013 | | | % Improvement |
| 25° | | | | | | | 86 % |
| T12 | 2° | 1° | 10° | 20° | 20° | 17° | |
| Sacral | 0° | 3° | 3° | 7° | 8° | 7° | |
| Lumbar Left Lateral Flexion Angle | 2° | 2° | 7° | 13° | 12° | 10° | |
| Maximum Lumbar Left Lateral Flexion Angle | 7° | | | 13° | | | ° Improvement |
| %Limitation | 72 % | | | 48 % | | | 6° |

Lumbar Left Lateral Flexion Comparison Detail

| DATE | ROM | %LIMITATION | %IMPROVEMENT | MEASURED WITH |
|-----------|-----|-------------|--------------|--------------------|
| 12/6/2012 | 7° | 72 % | n/a | Dual Inclinometers |
| 1/17/2013 | 7° | 72 % | 0 % | Dual Inclinometers |
| 3/15/2013 | 13° | 48 % | 86 % | Dual Inclinometers |

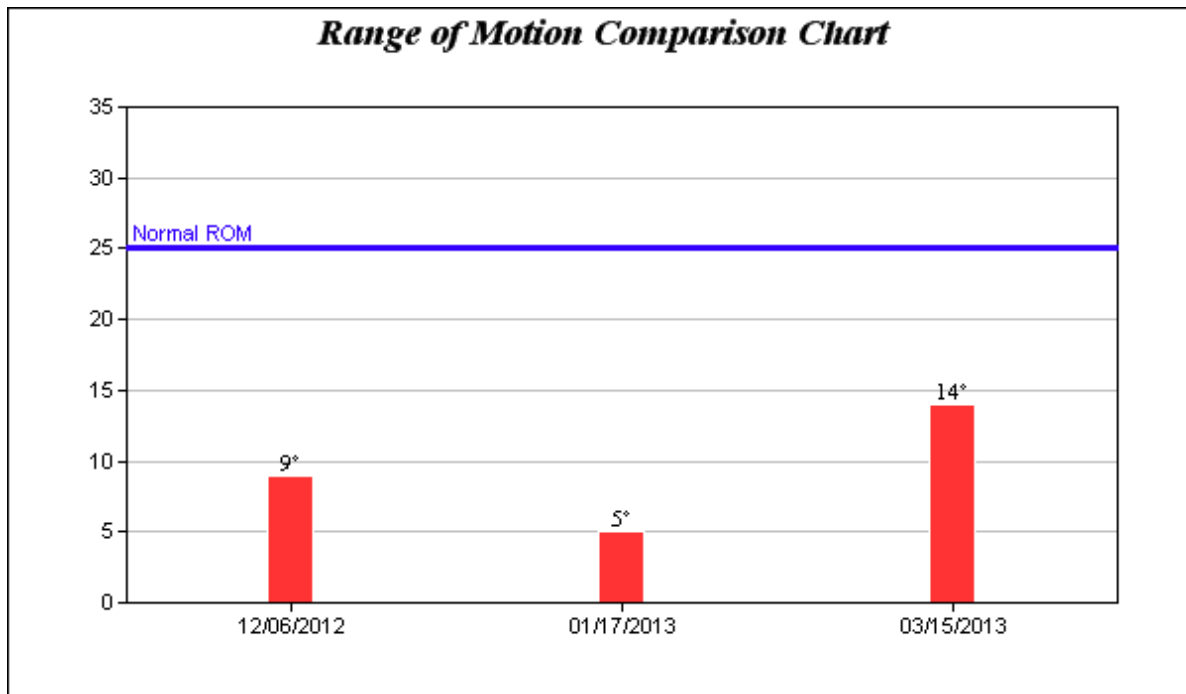


Lumbar Right Lateral Flexion Session Detail

| | | | | | | | |
|--|-------------|-----|-----|-------------|-----|-----|---------------|
| Norm | 12/6/2012 | | | 3/15/2013 | | | % Improvement |
| 25° | | | | | | | 56 % |
| T12 | 16° | 13° | 15° | 21° | 21° | 20° | |
| Sacral | 9° | 4° | 6° | 8° | 7° | 7° | |
| Lumbar Right Lateral Flexion Angle | 7° | 9° | 9° | 13° | 14° | 13° | |
| Maximum Lumbar Right Lateral Flexion Angle | 9° | | | 14° | | | ° Improvement |
| %Limitation | 64 % | | | 44 % | | | 5° |

Lumbar Right Lateral Flexion Comparison Detail

| DATE | ROM | %LIMITATION | %IMPROVEMENT | MEASURED WITH |
|-----------|-----|-------------|--------------|--------------------|
| 12/6/2012 | 9° | 64 % | n/a | Dual Inclinometers |
| 1/17/2013 | 5° | 80 % | -44 % | Dual Inclinometers |
| 3/15/2013 | 14° | 44 % | 180 % | Dual Inclinometers |



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The notes page can be modified electronically or
can be printed out to add handwritten notes.