

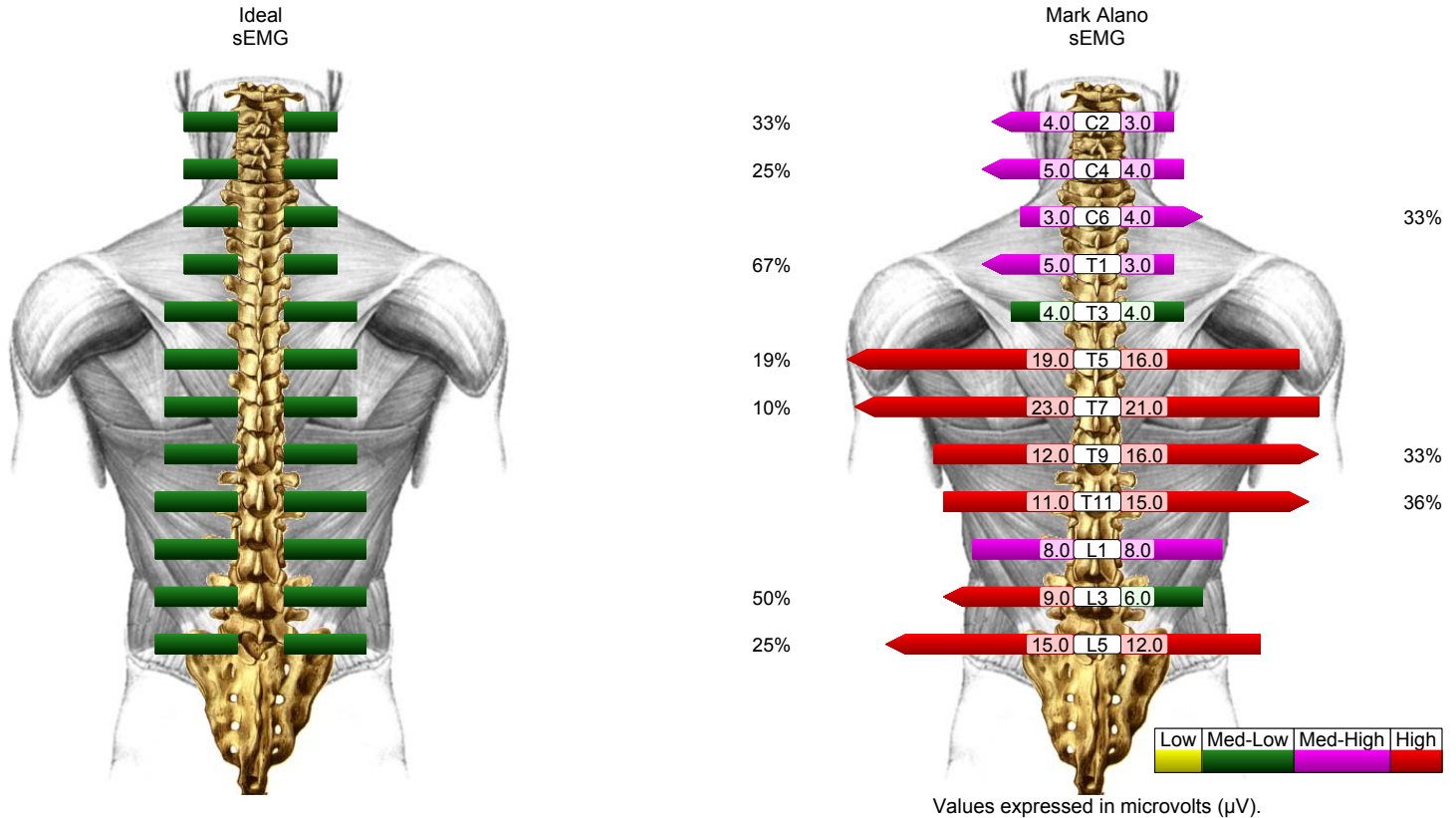
# MyoVision Static Graphic

**Office Information:**

MyoVision  
 Dr. Smart  
 981 A Industrial Rd  
 San Carlos, CA 94070  
 800-969-6961

**Patient Information:**

Patient: Mark Alano  
 ID: none  
 Exam Date: Jan 16, 1999 01:16:25 PM  
 Protocol Name: Thermo FS and FS Static



## High Levels Of Muscle Tension Are Associated With Subluxation

Computerized Spinal Examination through Surface Electromyography (sEMG) is used to evaluate the relative levels of electrical activity associated with Vertebral Subluxation. By interfering with the communication between the brain and the rest of the body, a Vertebral Subluxation leads to improper electrical impulses which can lead to poor health. The Computerized sEMG Scanning provides qualitative and quantitative data to assist the Chiropractor in determining which areas / levels of the nervous system are being adversely affected by Vertebral Subluxations.

To Schedule Your Exam Call:  
 Dr. Smart at 800-969-6961

# MyoVision Static Narrative

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981 A Industrial Rd San Carlos, CA 94070  
800-969-6961  
Patient: Mark Alano  
Exam Date: Jan 16, 1999 01:16:25 PM

A Static Scanning sEMG was performed on Mark Alano on Jan 16, 1999 at 01:16:25 PM using a MyoVision Scanning sEMG system. The MyoVision system utilized a 25-500 Hz Bandpass filter with hand held scanning probes, and was set to display data between 1 and 200 microvolts.

sEMG quantifies the levels of muscle "tension" about the spine. Muscles "tense up" about the spine to "compensate" for subluxations or problems with the spine. The Static Scanning test provides information only about the neutral postures, and is not a dynamic measurement. Note that muscles will not necessarily fire on the same side as the complaint. Since they are compensating for the problem, they may fire on the opposite side, or even in other areas (e.g. neck problems will sometimes appear as high levels of tension in the upper thoracic area above the shoulder blades to the base of the neck).

Results from this sEMG study indicated the following:

Muscle tension was considered HIGH at the following sites:

T5 T7 T9 T11 L3 L5.

This may be caused by the patient "bracing" due to spinal subluxation, or other spinal conditions. In children, readings are typically higher. In these cases, it is more important to note the highest areas only relative to the rest of the sEMG readings.

Muscle tension was MODERATELY HIGH at the following sites:

C2 C4 C6 T1 L1.

These are areas which indicate higher than normal levels of muscle tension or "bracing". It is worth considering these areas when evaluating the spine.

Muscle tension was NORMAL at the following sites:

T3 L3.

Muscle tension was BELOW NORMAL at the following sites:

-none-.

This may be due to several reasons:

1. If there is palpable muscle spasm, or the patient complains of problems, muscles may have stopped firing due to fatigue. Although muscles may appear tense, in actuality there is little or no electrical activity. Over the course of several weeks of adjusting, many times there is an increase in activity as muscles "come alive" and begin firing normally again.
2. Muscles are relaxed due to a lack of problems with the spine.
3. There is too much tissue between the measuring electrodes and the muscles. The greater the distance, the lower the readings.
4. Use of muscle relaxing drugs or TENS.

