

# EMG and Thermal Scans

## What does EMG mean?

EMG scanning is the abbreviated name for computer interpreted Paraspinal surface Electro-Myographic scan.

## What do EMG and Thermal scans do?

EMG and Thermal scanning involve non-invasive highly technical methods of measuring spinal nerve function associated with Vertebral Subluxations. By analysing this data, we can measure and record nerve function independent of the presence or absence of symptoms. Therefore we do not use the way you feel to determine if there is nerve pressure in you spine.

## How do they work?

When muscles contract, they produce electrical signals. The harder muscles work, the more electricity they require via the nerve system. The EMG accurately measures these electrical signals with surface electrodes. The thermal scans, on the other hand utilise infrared heat sensors, giving us information about your autonomic nerves (nerves to your organs).

The results are printed in colour and indicate areas of VERTEBRAL SUBLUXATION. Subluxations interfere with the transmission of nerve impulses, which control and coordinate all organs, muscles and other parts of the body, ultimately affecting your health and wellness. In some instances subluxations can cause pain. Doctors of Chiropractic deliver spinal adjustments, which help the body to correct subluxations.

## Why do I need x-rays as well as EMG and Thermal scans?

X-rays reveal the structure of your spine. Primarily they reveal the alignment and mechanics of your spine. At chiropractic4wellness one of our major forms of analysis is the Gonstead technique, which involves line-drawing analysis of your x-rays.

## When should EMG and Thermal scanning be performed?

- As an initial baseline of spinal function prior to beginning chiropractic care
- Periodically to monitor subluxation correction
- Following changes in your spine eg after an accident
- As objective evidence for third party insurance