

# OPTIMAL HEALTH UNIVERSITY™

Presented by Dr. Wayne Terai

## Posture Perfect Pain Prevention

*Your posture is a reflection of the health of your spine and joints. Postural imbalances are often early “warning signs” of an impending pain-related condition.*

*Dr. Terai focuses on prevention by encouraging patients to address postural problems before they trigger more serious maladies.*



### Vertebral Subluxations

Sub-optimal posture is a leading cause of *vertebral subluxations*.

This common condition occurs when spinal movement is restricted or spinal bones (vertebrae) become misaligned. Vertebral subluxations are linked with a myriad of health concerns, such as carpal tunnel syndrome, headaches, backaches, infantile colic and ear infections. Dr. Terai corrects vertebral subluxations with safe and gentle maneuvers called *chiropractic adjustments*.

Poor posture also damages areas of soft tissue and causes added wear and tear on joints. Optimal posture, on the other hand, strengthens the skeletal system.

The destruction caused by poor posture may also radiate throughout the body. For example, knee pain can result from misalignment in the pelvic

region because the latter alters the natural walking posture.

That's why, during a chiropractic examination, Dr. Terai may ask patients a series of questions related to the way they sit, stand and walk. Dr. Terai will also complete a full analysis of their current posture.

### Common Posture Problems

There are a number of spinal conditions that negatively affect posture, including the following:

#### *“Military Neck”*

When the bones of the neck are too straight, the resulting condition is known as straight or “military neck.” This condition results in a loss of range of motion. This may also result in “forward head posture,” where the neck slants forward.

#### *“Humpback”*

Abnormal curvatures of the spine occurred in approximately ten percent of the population in 1991: with one in 10,000 people having deformities of greater than 70 degrees. Exaggerations of normal thoracic (chest) curvature — also known as “humpback” — that exceed 70 degrees place a person at “increased risk of chronic respiratory failure.” (*Chest* 1991;99:663.) But even slighter curves or humpbacks wreak havoc on the spine and overall

health.

#### *Swayback*

Clinically known as *lordosis*, swayback is an abnormal forward curvature in the lumbar region that creates a “shelf” appearance over the buttocks.

Lordosis is associated with poor posture, osteoarthritis, neuromuscular problems, back surgery and hip disorders.

#### *Flatback*

Flatback syndrome, often a congenital condition, is also associated with adult degenerative scoliosis. Surgical fusion of the spine is yet another cause.

With flatback syndrome, vertebral disks in the lower back are pushed outward: the reverse of swayback. This reduces the natural curve so that the back appears “flat” or flatter than it was originally.

#### *Savvy Standing*

For optimum posture, stand with your weight equally distributed on both feet — but *don't lock your knees*.



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Also, avoid becoming a statue. If your job requires standing for extended periods of time, make sure to take adequate rest breaks. And ask your employer to provide a mat for you to stand on, versus concrete.

### **Sitting Pretty**

For the last minute or so, while reading this issue of *Optimal Health University*<sup>™</sup>, how has your posture been?

Reading with the head jutting forward strains the upper back, shoulders and neck. After time, this posture results in a straightening or “reversal” of the natural curve in the neck: an event that may be evident on X-ray imaging. This common postural problem dramatically increases a patient’s odds of suffering head and neck pain.

Instead of adopting a gooseneck posture while sitting, keep your head aligned with your shoulders — with the middle of your back fairly straight

Also, in addition to keeping your feet flat on the floor, it’s important to choose a chair that supports your lower back and lumbar vertebrae. And

nowhere is this more important than in the workplace. Sitting for hours behind a stack of reports or a computer keyboard can exact a heavy toll on this injury-prone area.

Even with a superior chair, remember to take periodic stretch breaks and drink plenty of water to keep spinal cartilage hydrated.

### **Walking Well**

Maintaining proper posture when walking makes breathing easier and also reduces the likelihood of developing low-back, leg and foot pain.

It’s important to start out straight and tall. Leaning forward or arching your back strains muscles and vertebrae. A tip to help keep you from arching your back is to tuck in your “caboose!”

And don’t let your stride get away from you. Too long of a stride can cause your body to lean back and put added strain on the lumbar region.

### **A Weighty Matter**

Obese patients with large abdomens

are at a particular disadvantage when it comes to posture. The excess weight tends to “pull them forward” and draws their spines out of alignment: compromising vertebrae in the lower back.

### **Posture Check!**

Ask the doctor to teach you a simple posture check, which you can teach friends and family.

Practicing this posture check at least once a week will ensure that you keep tabs on your posture, and the alignment of your spine. This will allow you to focus on prevention by becoming aware of signs of vertebral subluxation before they trigger significant health problems.

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### **Posture Pearls**

- ✓ Start each day with some *slow* and *gentle* stretches. Ask the doctor for specific suggestions.
- ✓ Perform daily routines, such as shaving or putting on makeup, with posture in mind. Don’t hunch over the sink, straining to see your reflection; instead, stand up straight. A mirror that attaches to an extension arm and brings your reflection towards you, instead of the other way around, can also be helpful.
- ✓ Halt painful phone calls by either holding the receiver, using a headset or opting for a speakerphone. Cradling the receiver between your head and shoulder can cause spinal joints in the neck and upper back to “hang up” and eventually disconnect you from life by causing pain.
- ✓ Roll those heavy bags; don’t carry them. Wearing a shoulder strap over one shoulder destroys posture, making loss of balance more likely — which may cause shoulder and back pain. If wheels aren’t an option, try a bag with a handle or a spine-friendly backpack (as long as it’s not overloaded).
- ✓ Shun vertebral subluxations when sitting by not crossing the same knee over the other. This habit may eventually cause misalignment of the spine.
- ✓ Steer clear of sloppy driving posture. When sitting in the car, adjust the seat forward so your knees are higher than your hips.