

# DARWIN CHIROPRACTIC CLINIC

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## CHIROPRACTOR

**Dr Duncan Muir**

B.Sc., M.Chiro

## CLINIC STAFF

Dagmar Hackett (Practice Manager)

## CLINIC HOURS AND SERVICES

Consultations are by appointment. We try very hard to adhere to appointments, however the nature of chiropractic is that emergencies and circumstances sometimes mean we run behind time.

Please feel free to call and check.

## Dr Duncan Muir practises as follows

Monday	8.00 am – 5.15 pm
Tuesday	8.00 am – 5.15 pm
Wednesday	8.00 am – 12.00 noon
Thursday	8.00 am – 5.15 pm
Friday	8.00 am – 5.15 pm
Saturday	9.00 am – 12 noon

Your health is our concern but your responsibility. If you are unable to keep your appointment, we appreciate as much notice as possible so that other patients can be offered your time.

## FEES

Our fees are in accordance with recommended association and governing body guidelines. If you have any questions about fees or difficulty with payments please do not hesitate to discuss the matter with the chiropractor.

## OUR PRACTICE

This is a traditional family practice committed to providing professional, friendly and comprehensive care to all. Our chiropractor is experienced in a broad range of problems



**YOUR CHIROPRACTOR**  
SEPTEMBER/OCTOBER 2020



## Your body's balancing act

*Have you given much thought to your balance? Or do you, like many others, take this ability for granted?*

That's understandable – it's often only when we experience a problem that we give it more thought. Yet, balance is more than simply remaining upright. There are complex processes that allow us to move, turn our heads without our vision blurring, quickly readjust our muscles to support stability and stay vertical.

We all stumble or experience clumsiness on occasion. We may bump into the doorframe or sway when we get up too quickly. But when balance issues become chronic, the symptoms are usually caused by an underlying problem and can be troublesome, incapacitating, and dangerous. Symptoms may include a sensation of spinning or lightheadedness, blurred vision, hearing changes, stumbling, falls, decreased spatial awareness, poor depth perception, and nausea. It may also contribute to fatigue, anxiousness, and confusion.

How do we balance? It's an important question. Just as a car has many components that allow it to safely take a corner at speed, we have many interworking parts that allow us to remain stable. We must sense where we are in space, make constant small adjustments that bring us back to centre, and integrate these functions seamlessly.

This begins within the ears. The inner ear has small organs that contain fluid and hair. As you move your head, the fluid shifts, the hair bends, and this information is sent, via nerves, to the brain. Each organ provides feedback on movement in a certain direction: tilting upward or downward, leaning to the left

or right, turning sideways, and accelerating. Inner ear infections or ear crystals upset this ability, which is why they can cause dizziness and imbalance.

The eyes provide visual input – they send impulses to the brain that provide visual cues identifying your position relative to other objects. To understand this, stand on one leg and bend your other knee. How balanced do you feel? Now, try it with your eyes closed. The difference is marked.

The skin, muscles and joints, particularly of the spine, are also involved. As they move, they continuously transmit what is called proprioceptive information regarding their position, relevant to the body parts they connect to. For example, increased pressure is felt in our heels when we lean back. These cues help our brain determine where our body is in space.

The remarkable combination of input enables us to sense when we are moving, in which direction, and at what speed. We then respond to that information, often subconsciously. Nerves fire, muscles move us in appropriate ways, and we are, usually, able to right ourselves. The balance system also provides feedback on the success of these manoeuvres, allowing further adjustment.

Maintaining optimal balance is important – these activities may help.

- Practice on a wobble board. These small platforms have a semi-circular underside so you can balance on the flat side.
- Walk heel-to-toe, forwards and reverse.
- Start Tai Chi, dance or yoga classes.

If you are experiencing balance problems, ask your chiropractor for advice.

## WHAT'S INSIDE



**SAY GOODBYE TO GARDENING PAIN**



**IS A BIG BELLY HURTING YOUR BACK?**



**NUT MILKS**



**COULD YOU HAVE CARPAL TUNNEL SYNDROME?**

# Is a big belly hurting your back?

*As waist circumference creeps up, our health can suffer.*

The risk of issues such as type 2 diabetes, high cholesterol, elevated blood pressure and cardiovascular disease are increased. But have you ever wondered if your paunch might also be hurting your back?

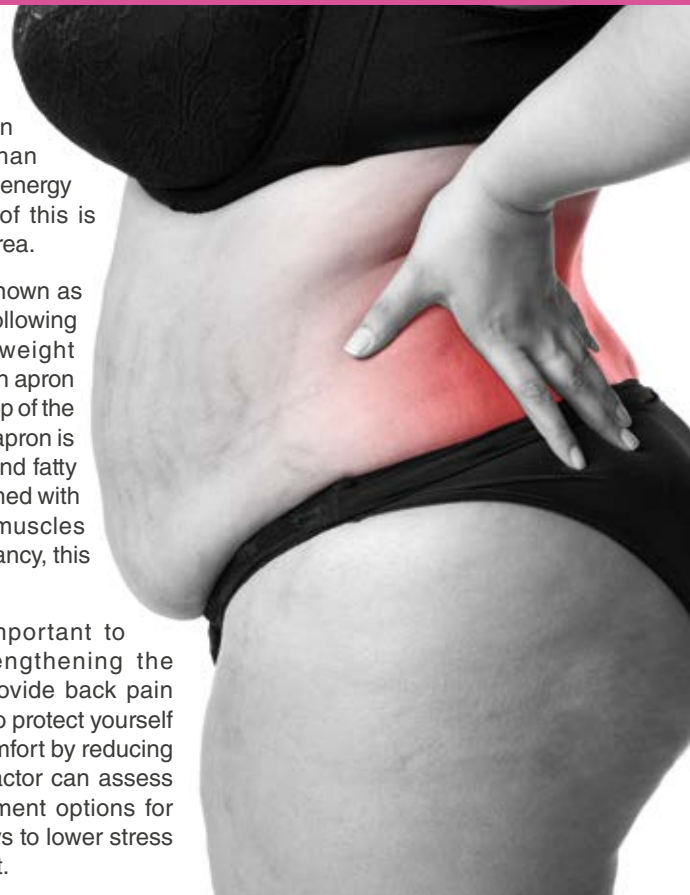
The spine is made from many vertebrae that sit one on top of another, joined at the back by facet joints. These joints are a little like snap-together modular flooring. Each one fits together beautifully, and is aligned in a way to support your spine and allow healthy movement. They, in essence, provide strength and structure while preventing your head or torso from spinning all the way around! Because of their design, we can walk upright, bend, twist and move safely.

However, a large waist girth alters the physics. It's like carrying a heavy sack of potatoes on your front. The additional continuous pressure tips the pelvis forward and drags the attached vertebra with it. It increases the forward curve in the lower back, and one vertebra then pulls on the next. The postural distortions can often be seen by the eye. These changes alter the pressure applied through the facet joints, and can trigger muscle tension – increasing the risk of pain, injury and degeneration.

People usually gain weight from a poor diet, lack of exercise, poor sleep and stress. When a person consumes more calories than their body burns, the excess energy is stored as fat, and some of this is deposited in the abdominal area.

A large hanging belly, also known as the panniculus, can occur following pregnancy or significant weight fluctuations. It's often called an apron belly, and can hang from the top of the pubic area to the knees. The apron is made solely of excess skin and fatty tissue deposits. When combined with the weakened abdominal muscles that are common post-pregnancy, this apron can be pronounced.

For many reasons, it's important to address a big belly. Strengthening the abdominal muscles may provide back pain relief, but it's also important to protect yourself from future illness and discomfort by reducing your belly size. Your chiropractor can assess your posture, discuss treatment options for back pain and advise on ways to lower stress and achieve a healthy weight.



## WORD SEARCH

- ALMONDS
- ARTHRITIS
- BALANCE
- BLURRED
- BODY
- CARPAL
- CHIROPRACTOR
- CHRONIC
- DANGEROUS
- DIABETES
- DISEASE
- EARS
- ERGONOMIC
- FAT
- FIBROUS
- FRACTURE
- INFECTION
- MUSCULAR
- NAUSEA
- NERVES
- PAIN
- PELVIS
- POSTURE
- PROPRIOCEPTIVE
- SPINE
- TUMOUR
- VESTIBULAR
- VISUAL
- WRIST
- YOGA

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# Nut milks

*More and more people are choosing plant-based alternatives to traditional meat and dairy products. Whether you're considering switching from dairy for animal rights, health, environmental reasons, or if you just prefer the taste, the options are increasing all the time.*

Plant milks have been made and used for hundreds of years, but until recently, the only common dairy alternative available was soymilk – although a good option it's not to everyone's taste. Choices now include rice, oat, hemp, or coconut milk, as well as a variety of nut milks. Nut milks are naturally gluten, lactose, and soy-free.

If you are looking for environmentally-friendly alternatives, almond milk comes under criticism for consuming a large amount of water during farming and production. It's still less than dairy milk, but certainly not ideal. Greenhouse gas emissions and land use for the production of plant-based milks are lower than for dairy milk.

The nutrition content depends upon the plant source and the processing. Typically, nut based milks are highly diluted; therefore don't contain high quantities of nutrients. For this reason, many are fortified with vitamins and minerals. They can also have sugar and other additives, so it's worth checking the packaging for a full run-down of the ingredients.

Nut milks have less protein and calcium than cows' milk and therefore they are not recommended as a complete milk replacement for children, teens or pregnant women. On the other hand, people who need to limit their calories or saturated fat intake may benefit from some plant-based milks.

## COMMON NUT MILKS

- Almond milk is a popular choice as it's widely available, and its neutral flavour makes it versatile.
- Hazelnut milk has a creamier colour and a stronger nutty flavour, making for a 'love or hate' relationship.
- Cashew milk has a mild flavour and creamy feel, and is becoming more widely available.
- Coconut milk is not from a true nut, but is a good alternative for those with nut allergies. Lovers of the taste will find it makes a delicious hot chocolate, but it has the highest fat content of the non-dairy milks.

With a huge range of nut milks and other dairy alternatives, have fun finding your personal favourite or making your own!



## Say goodbye to gardening pains

*Whether you are a weekend warrior or a dedicated horticulturist, gardening is a hobby worth more than its weight in tomatoes.*

Spending time with your hands in the dirt can boost your quality of life. Pottering amongst your plants can calm stress, encourage a positive mood, reduce the symptoms of anxiety and depression, and enhance brain function.

But, as with many activities, poor posture and repetitive physical strain can trigger discomfort. In the veggie plot, this is nicknamed gardening pains. By understanding how you can hurt your back, you can implement steps to ease pain, and help yourself and your garden to thrive.

When we overstretch or bend incorrectly, like a twig with too much pressure, we can break. Hours spent bent over, lifting pots and plants with poor technique, and reaching to the rear of plant beds stresses the spinal joints and back muscles. This can lead to fatigue, injury and pain. Correct lifting methods, ergonomic tools and regular rest breaks can prevent harm.

When you lift, bring your feet close to the item and keep them hip width apart with one foot slightly in front of the other. Squat, maintain an upright spine and look straight ahead. Hold the load near your body. Lift by slowly pushing up with your legs; don't use your back. Slowly change direction using small steps. Reverse the lifting process to put the load down. Above all – make sure the load is not too heavy or bulky.

Invest in quality ergonomic tools. Did you know there are long handled weed removers, ergonomic light-weight spades, padded kneeling seats, and deluxe gardening scooters? Use them. A trolley will assist in the easy movement of materials, plants and tools. A raised no-till garden will lower effort and the need to bend.

Remember to schedule rest and recovery. Garden for a set period of time and then gently walk and stretch.

Gardening is a hobby well worth pursuing, with physical, psychological and potentially nutritional benefits. If back pain does strike, your chiropractor can provide advice and appropriate care.

### MAKE YOUR OWN ALMOND MILK

Making your own almond milk is easy and tastes better than store bought.

This recipe makes one litre – add less water if you would like it to be creamier.

- 1 cup raw almonds, soaked
- 2 dates (pitted)
- 1 tsp vanilla essence
- 4 cups of filtered water

Cover the almonds with water and soak for 12 hours. Drain and discard the water.

Place the almonds, dates, essence and filtered water in your blender or food processor and blend until the almonds are finely ground.

Place a fine cotton cloth over a bowl. To strain, pour the almond mixture into the cloth. Squeeze to extract all the almond milk.

Store in a glass jar in the fridge for up to three days.

Tip: Once you have strained the milk from the mixture you are left with almond pulp – this can be put in porridge, smoothies, or baking for added protein and fibre.

## Tingly, painful hand?

### You could have **carpal tunnel syndrome**

*Do you experience numbness or tingling in your hand, particularly of the thumb, index and middle fingers?*

Do you drop items, especially when you try to pinch? Does your palm hurt to touch? Do you find yourself shaking your hand to gain relief from these symptoms, most notably during the night? You might have carpal tunnel syndrome (CTS).

The carpal tunnel is a narrow passage formed by your carpal, or wrist bones. These bones form the floor of the tunnel while a thick fibrous tissue band creates the roof. The median nerve and muscle tendons that help flex your fingers pass through this tunnel, where they are protected. However, because this space is small, if the tendons become swollen or thickened, the nerve can become compressed and cause CTS.

CTS usually develops slowly and remains persistent. When the tendons thicken from overuse they require additional space, leaving less room for the nerve. Swelling has the same effect. Less commonly, a local fracture or infection, a tumour, or an underlying disease like arthritis or diabetes, can also reduce space and cause this condition.

#### Symptoms

The symptoms are due to reduced median nerve function. This nerve provides feeling, and enables muscles to contract. So, when compromised, these functions are affected.

The median nerve supplies sensation to more than half of the palm, the thumb, index and middle fingers; so you may

experience tingling, numbness and pain in these areas. Sometimes it can be a sensation like a mild electric shock. The pain can extend up the forearm.

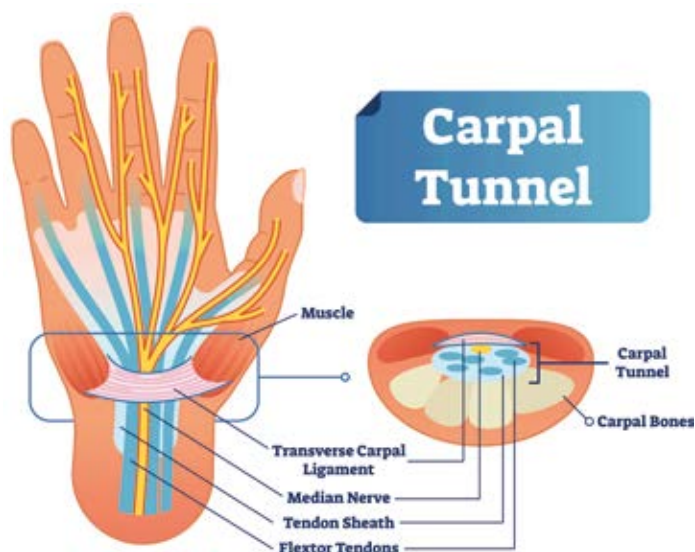
The motor part of the median nerve is responsible for movement of the thumb so, when harmed, weakness can occur. This can contribute to poor pincer grip strength – potentially making it difficult to hold a cup, twist jar lids, write, even do up buttons and put in earrings. When severe, the muscular mound at the base of the thumb can waste away.

#### How does CTS happen ?

While there are biological factors that increase risk, like being female and pregnancy, there are other factors that can be addressed. Occupational stressors play a role. Repetitive bending of the wrist and exposure to hand-transmitted vibration elevates risk, making assembly line workers, cashiers, drillers, meat packers, computer workers, and sewers more vulnerable. So a safe, ergonomic work space and reduced awkward wrist and hand postures are helpful.

If CTS does occur, treatment options are available. The use of a splint to maintain a neutral wrist position may help. An exercise program that targets arm and shoulder circulation, flexibility, and power can restore reduced grip strength.

Carpal tunnel syndrome can be disabling, so prevention is key. If you think you may be at risk of developing carpal tunnel syndrome, speak to your chiropractor about the best preventative measures for you.



**Disclaimer:** The information provided in this newsletter is for educational purposes only, and is not intended as a substitute for sound health care advice. We are not liable for any adverse effects or consequences resulting from the use of any information, suggestions, or procedures presented. Always consult a qualified health care professional in all matters pertaining to your physical, emotional and mental health.

#### ON ARRIVAL AT CLINIC

Please see the receptionist upon arrival. This eliminates the possibility of you being overlooked and enables us to have your file and x-rays ready. Please return the file to reception upon completion of your treatment.

#### APPOINTMENTS

Your appointment schedule is designed specifically to obtain the best possible results. Please be sure to make up any missed appointments.

Should you wish to change an appointment, we would appreciate as much notice as possible so that other patients can be offered your time.

#### PHONE CALLS

Doctors in this practice may be contacted by phone during surgery hours. A message will be taken if the doctor is with another patient and your call will be returned when the doctor is available.

#### FEEDBACK

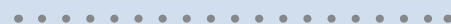
We are here to serve you. Please speak to your chiropractor or the staff about any concerns you may have.

We see your constructive comments as helping us to help you and others.

#### WAITING TIMES

Despite our best intentions, we sometimes run late! This is because someone has needed unexpected urgent attention.

Be assured that when it comes your turn the chiropractor will not rush to catch up but will give your problem the time it deserves. Thank you for your consideration.



#### HEALTHY HINTS

EAT fish twice a week.

DRINK at least a litre of water a day.

WALK, swim or cycle for 20 minutes three times a week.

#### THEN ...

you'll feel better!