



**COASTLINE**  
**Chiropractic**  
**CENTRE**

**OUR CENTRE LOCATIONS**

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info@coastlinechiropractic.com.au  
www.coastlinechiropractic.com.au

**New PATIENTS and CLIENTS Welcome**

**QUOTE OF THE MONTH**

**“Success is not the key to happiness. Happiness is the key to success. If you love what you are doing, you will be successful.”**

- Albert Schweitzer

**Dr Darren J Gray**

Chiropractor, Certified Rehab Therapist  
BSc, MChiro, MClinRehabNeuro (MCAA, ClinFellIAAFN)

Darren’s special interests include neurology, rehabilitation health, family chiropractic and sports medicine.

Port Macquarie **Monday–Saturday**  
Wauchope **Tuesday and Wednesday**

*We attempt to cater for same day appointments, however forward booking your appointments is always recommended to avoid disappointment.*

**VISUAL TRAINING WITH RIGHT EYE AT BRAINSTORM**

Visual training involves exercises that aim to improve the efficiency and coordination of our optical system. It encompasses techniques that enhance eye tracking, depth perception, peripheral vision, and eye-hand coordination.

**BALANCE TRAINING AT BRAINSTORM**

Balance training involves exercises that improve our ability to maintain equilibrium, and it enhances stability, body awareness, and coordination. Here are a few reasons why balance training is essential:

- 1. Injury Prevention:** Good balance helps prevent falls and related injuries, especially among older adults.
- 2. Posture and Alignment:** Regular balance training improves posture and alignment, reducing the strain on joints and muscles.
- 3. Athletic Performance:** It improves proprioception (awareness of body position) and dynamic stability, leading to better agility, coordination, and control.

For appointments at brainstormrehab.com.au or 1300 667 443

**YOUR CHIROPRACTOR**

SEPTEMBER/OCTOBER 2023



**A TRUCK DRIVER'S TOLL**



**MULTIFIDUS: UNSUNG HERO**



**IS IT GOOD TO BACKBEND?**



**FUSSING OVER FERMENTED FOOD**

**RSI and how to prevent it**

Are you aware of the toll repetitive tasks can have on your body? Many of us overlook this, but it's crucial to recognise the potential consequences, such as repetitive strain injury (RSI). In this article, we explore this condition and suggest ways to help prevent it.

RSI causes discomfort and pain in your muscles, nerves, and tendons due to repetitive movements and overuse. It commonly affects people engaged in repetitive activities such as: office work, assembly line tasks, construction, retail, music, and sports.

The primary cause of RSI is the overuse of a particular muscle or muscle group; especially when you also use awkward movements. Factors such as poor posture, and exerting yourself too much or when your muscles are tired, contribute to muscle fatigue and damage. This damage can trigger inflammation and swelling, leading to pain, weakness, numbness, and trouble using the affected area.

RSI commonly occurs in your upper limbs encompassing your fingers, wrists, hands, forearms, elbows, and shoulders. However, the lower limbs are also susceptible, like ankles, feet, legs, knees, and hips. Additionally, areas such as your neck and back, which are the main areas that affect our patients, are also prone to repetitive strain injuries.

This condition results in a range of common disorders, including: bursitis, carpal tunnel syndrome, golfers elbow and tennis elbow, shin splints, tenosynovitis (affecting the sheaths surrounding tendons), trigger finger, and even certain spinal issues.

**Can you prevent RSI developing?**

To prevent the development of RSI here are several key measures you can take:

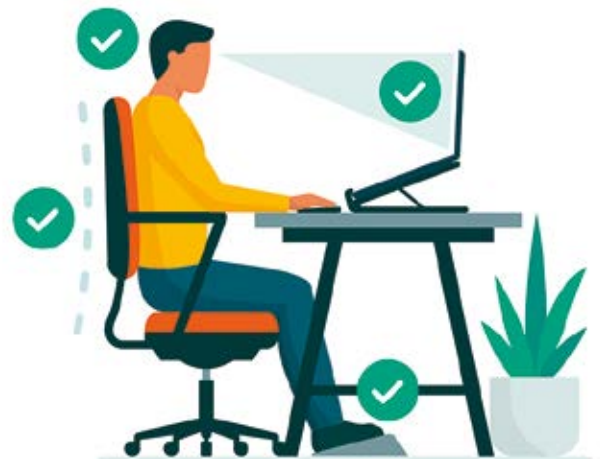
- Take regular breaks from repetitive tasks to allow your muscles and tendons time to rest and recover.
- Maintain good posture: by naturally holding your body with ease, you can reduce strain on your tissues.
- Strengthen the muscles involved in the repetitive task: fit muscles take longer to fatigue and are less prone to injury.

It is also important to prioritise good ergonomic practices; however everyone's needs are different so personalised guidance is essential. Seek expert advice to find the right solutions for you, including suitable equipment, breaks and rest periods, posture adjustments, and exercises if necessary.

RSI can cause significant and long term discomfort and disability; if you have questions about this condition, please ask us. Prevention is always better than cure.

**A quick guide to office desk setup**

- 1.** Get an adjustable chair for posture and comfort.
- 2.** Consider a height-adjustable desk and be sure to take regular, active breaks.
- 3.** Use an ergonomic keyboard and mouse for natural hand and wrist positions.
- 4.** Position your monitor at eye level with the right viewing distance.
- 5.** Don't forget to use a footrest and armrest if necessary.



*Our newsletter is free - please take a copy with you*

# CRYPTOGRAM

## Can you crack the code to work out this message?

Each letter has been replaced for another. As you work out the code, write each letter in the box below where it occurs. We've given you two letters to start you off.

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
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S N N N N N N N N N  
 N Q V C M G Q S C M E M G H A P V K B L R B M Z  
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 L A V C D P N L O C N L B M S C O U N P U U A V Q  
 S N N N N N N N N N  
 H A P V N U E M C Z P V E M G C F C V H B L Q E A M

## What's all the fuss about fermented food?

Fermented foods have become popular for their health benefits, but what are they, and are they actually good for us?

The process of fermenting foods has been around for centuries and was used as a way to preserve food and improve flavour and digestibility. Over time, fermentation has been linked to many health benefits which have prompted numerous scientific studies.

### What are fermented foods?

These are foods which have undergone fermentation – a natural process in which beneficial microorganisms like yeast and bacteria break down the sugars, resulting in the production of various nutrients. This process gives fermented foods a unique flavour and aroma.

The fermentation process is complex as the microbes are powerful; the slightest change in their environment can produce different products – such as harmful fungi. Therefore fermentation conditions must be carefully controlled to get the desired outcomes.

Fermentation can occur naturally in the food or processing situation, such as sauerkraut, kimchi, and some soy products. Otherwise, food can be fermented by adding starter cultures, for example, kefir and kombucha.

### Are fermented foods beneficial?

Most foods can be fermented, like vegetables, fruits, grains, dairy, legumes, and even meat and fish. These foods are all nutritious in their original form, but fermentation adds more health benefits – especially when they contain probiotics.

Probiotics occur in many fermented foods, including yogurt, sauerkraut, and miso. Probiotics encourage helpful bacteria and other organisms in your gut, which is very important for many aspects of your health.

### Are probiotic supplements as good?

While supplements can provide certain probiotics, they may not offer the same nutritional benefits as consuming real fermented foods. Fermented foods offer live bacteria and a variety of nutrients which your body can absorb and use more efficiently than supplements.

However, supplements may be valuable when it's challenging to obtain sufficient nutrients from your diet, or when deficiencies are identified.

Speak to your doctor before adding supplements to your diet. Your doctor can help you avoid the risks that may make your health issues worse.

## Farinata

Farinata (or socca) is a type of pancake made from chickpea flour which originated in Italy. Fermenting the batter makes it light and creamy and helps increase the nutritional value of the chickpea flour. These can be served as a snack or side dish, or add toppings to make a light meal.

Makes 2 large 'pancakes'

### INGREDIENTS

- 1 cup chickpea flour
- 1 tsp apple cider vinegar or lemon juice
- 300ml water
- 1 teaspoon salt
- 3 tablespoons olive or coconut oil (melted)

### METHOD

- Combine the flour with the water and vinegar or lemon juice, whisk well until batter is smooth.
- Cover the bowl with a tea towel and leave to ferment for 15-24 hours at room temperature until it bubbles slightly or looks frothy.
- Add salt and 1 tablespoon of oil to the batter and whisk.
- Heat the grill on high, place the rack about 15cm below, add 1 tablespoon of oil to a skillet (oven-proof frying pan) and preheat.
- Remove the hot skillet carefully and pour half of the batter in - making sure it spreads evenly. Add any chosen toppings.
- Grill for about 5-10 minutes until set and golden and crispy around the edges. Repeat with remaining batter and oil. (You can also bake these in a hot oven, or on the stove top in a frying pan for 2-3 minutes each side).
- Cool for a minute, add seasonings if desired, cut into wedges and enjoy fresh and warm.

Seasonings: fresh or dried herbs, pepper, a sprinkling of grated parmesan.

Toppings: Can include any combination of pesto, cheese, olives or vegetables such as zucchini, tomato, peppers.



Yoghurt is a great probiotic food, look for "live and active cultures" on the label. It's versatile and tasty; ideal for breakfast, snacks or desserts. You can replace mayonnaise with yoghurt and it can be used in sauces, dressings, and marinades.



## The multifidus: meet your spine's unsung hero

You have a unique muscle called the multifidus muscle, which plays an important role in the well-being of your spine. Despite its importance, most people are unfamiliar with this remarkable muscle. Taking the time to learn what its role is in your body and how to strengthen it, may improve your overall function, stability, and even ease pain.

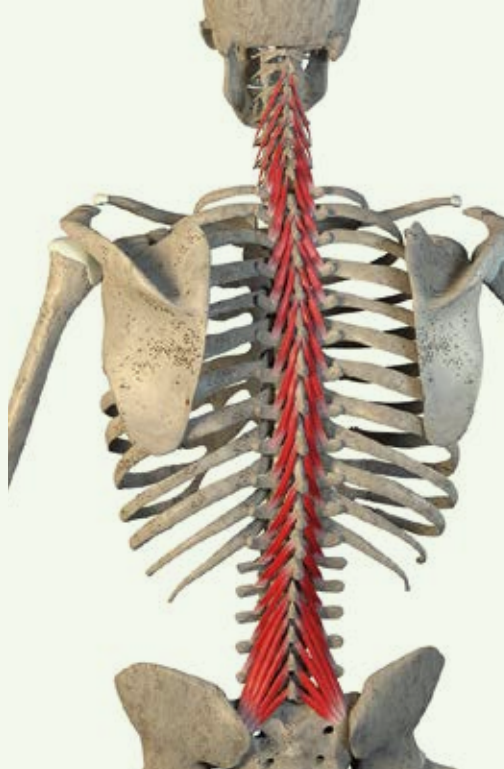
This unsung muscle hero works tirelessly to stabilise and protect your spine, while also helping in extending and rotating your back. It holds your backbone firmly and provides strength as you bend and move. By doing so, it effectively reduces pressure on your spinal discs and minimises the risk of injury.

The multifidus muscle is long and thin, consisting of many muscle bundles. Each bundle spans only a few vertebrae, but together, they connect and support most of your spine. Nestled deeply against your backbone, this muscle extends from your pelvis and tailbone to your lower back, mid-back, and neck. Due to its role, a weak multifidus can disrupt vertebral stability, particularly in your lower back.

Within your lumbar spine lies a neutral zone, which represents the range of motion that can be achieved easily from a relaxed position with minimal muscular effort. Remaining within this neutral zone requires less energy and places less stress on your spine, resulting in improved functionality,

reduced pain, and decreased disability. Just like perfectly aligned car tyres require less effort to move, the same principle applies to your spine.

The multifidus muscle works its magic by stabilising your spine without conscious effort, contracting and relaxing as needed. However, injury or weakness can occur,



making it harder to maintain a safe and neutral zone. As a result, your spine may begin to subtly 'wobble' more than usual, needing additional effort to secure it. This places increased pressure on the surrounding tissues, potentially leading to damage and dysfunction; especially if you've undergone back surgery. In fact, damage to this muscle is associated with a condition known as failed back surgery syndrome.

Fortunately, you can strengthen the multifidus through regular exercise. One example is "The Superman". To perform this exercise, lie on your stomach on the floor. Extend your arms over your head while keeping your legs straight. Maintain a neutral head position by imagining you're keeping a ball between your chin and chest. Gently contract your abdominal muscles, and slowly lift your arms and legs off the floor until you feel your lower back engage. Hold this position for two to three seconds, and then repeat ten times, twice. Stop if you feel pain.

It's important to note that the multifidus muscle is not the only muscle that supports your spine and there are a number of strengthening exercises. Talk to your chiropractor first, we can provide advice on customised exercise to ensure optimal results and prevent potential complications. Feel free to reach out to us if you have any questions or concerns.

## The ins and outs of backbends

Backbends involve arching your spine backward, creating a deep extension and opening in the front of your body. They're called "backbends" because they primarily focus on bending your spine in the opposite direction of its natural curves. With this in mind we discuss the benefits and dangers of strong back bends.

### So, are backbends of any benefit?

Backbends can increase flexibility by stretching the muscles, ligaments, and joints of the front of your body, and also improve strength, function, and posture. We spend so much time sitting and hunched forward, bending backwards reverses this position.

There may be other benefits too. In yoga practice it's believed that poses that open up your body may increase self-confidence, positive emotion, and energy.

### Are back bends safe to do?

Backbends involve moving your spine in ways that may be unfamiliar. To perform them safely requires awareness, caution, and proper technique. If you rush ahead without preparation and conditioning, you could damage your back, especially if you have existing spinal issues.

Also, backbends may not be suitable for everyone due to differences in body structure, or existing health conditions. Additionally, not being fit, strong or flexible can increase the potential risk of injury associated with deep backbends.

### Guidance for safe stretching

With that being said, let's look at some guidance to lower your risk of injuries when doing back bends of any degree.

Before you begin, warm up your body with gentle stretches and movements. Ensure your core muscles are engaged and start with slight backward bends. Listen to your body; if you're ready you can

slowly, cautiously work up to a deeper stretch. Use counter-postures like forward bends or gentle twists to balance your practice.

Keep in mind that advanced backbend postures are not necessary, you can stick with slight, gentle backward stretches. If you experience any pain or strain in your back, stop. Never force your body beyond its limits.

In summary: backbends can be safe and helpful for some people, however it's important to seek advice before beginning. We can help determine if backbends are suitable for you, what intensity of stretch is best for your body, and advise you on correct technique.



# Unveiling the hidden toll on truck drivers' spines, and the road to prevention



Truck driving is a physically demanding occupation that can take a toll on the body. Prolonged sitting, whole-body vibration, and heavy lifting can put truck drivers at a higher risk for long-term back conditions. Poor diet and lack of exercise, which can be challenging to control in this line of work, further contribute to these issues.

A 2022 study published in the journal BMC Public Health revealed that truck drivers are more prone to obesity, high blood pressure, mental health problems, and musculoskeletal disorders, including back pain. In fact, over one-third of truck drivers report experiencing back pain. Long-haul truck drivers are particularly susceptible to back pain that lasts for more than a year.

To address these challenges, effective interventions that focus on prevention and management are necessary. As chiropractors, we conduct thorough assessments of your spine in order to find the solutions best for your body. Additionally, we can offer valuable advice on diet, posture, spinal support, and exercise.

## Weight management and diet

Weight management is crucial for many truck drivers; being overweight increases the likelihood of chronic lower back pain. Dietary modifications can support healthy weight loss and help alleviate back pain. We can discuss strategies to improve food choices, especially if you're covering long distances where options may be limited.

Processed meat, high saturated fat and refined carbohydrates (all of which can be in a meat pie!), sugary foods, and a low intake of fruits and vegetables are linked to increased inflammation, which can trigger discomfort. A poor diet can result in a deficiency of essential nutrients and lead to many health problems. Supplementing with micronutrients such as omega-3 fatty acids and magnesium, for example, may provide relief.

## Posture and exercise

Proper posture is essential, particularly when sitting for extended periods. Support the natural curves of your spine, ensuring your eyes face forward, keeping shoulders relaxed, and maintain straight wrists. Furthermore, the elbows, knees, and ankles should rest at 90 degrees. The use of supportive aids can help posture, depending on the truck seat.

Improving core strength, which refers to the strength of the abdominal muscles, can also alleviate back pain. These muscles play a vital role in maintaining balance, stability, and posture – as well as facilitating various movements such as bending, twisting, and walking. We can incorporate exercises that target these muscles, to help strengthen your core.

If you're a truck driver experiencing back pain, reach out to us. There are numerous approaches, including chiropractic care, which may help reduce discomfort and improve your overall function.

The work environment of truck drivers has been described as a “healthy food desert”. Even truck drivers who have a nutritious and active lifestyle outside of work can find it difficult to keep healthy when on the road.

## CRYPTOGRAM MESSAGE

Strengthening your back and core muscles can help support your spine during every action.

**Disclaimer:** The information in this newsletter is not intended to be a substitute for professional health advice, diagnosis or treatment. Decisions relating to your health should always be made in consultation with your health care provider. Talk to your chiropractor first.



## ON ARRIVAL AT THE PRACTICE

Please see the receptionist upon arrival. This eliminates the possibility of you being overlooked and enables us to have your information ready.

## APPOINTMENTS

Your appointment schedule is designed specifically to obtain the best possible results. Should you wish to change an appointment, we would appreciate as much notice as possible so that other patients can be offered your time.

## ONLINE BOOKINGS

We have online booking available. Make your appointment with your favourite chiropractor by booking through [coastlinechiropractic.com.au](https://coastlinechiropractic.com.au)

## WAITING TIMES

Nobody likes waiting. We are well aware of this and try very hard to adhere to our appointment schedules. However due to the unpredictable nature of some emergencies we may run behind time. We sincerely regret any inconvenience caused to our patients when we are running behind with our appointments. We make every effort to see patients at their appointed time. You can assist by telling reception staff if you have several problems or a complex issue.

## PAYMENT FOR SERVICES

Prompt payment of your account will help us keep the fees down. However if you are experiencing difficulties with payment at any time please arrange a confidential meeting with our accounts person.

## OUR COMMITMENT

This practice is committed to providing the best possible care to all patients. Our staff regularly attend short continuing professional education courses to update their knowledge and techniques.

Our newsletter is free - please take a copy with you