

Chiropractic: A Safe Treatment Option

Chiropractic services are some of the safest drug-free, non-invasive therapies available for the treatment of back pain, neck pain, joint pain of the arms or legs, headaches, and other neuromusculoskeletal complaints. Although chiropractic has an excellent safety record, no health treatment is completely free of potential adverse effects. The risks associated with chiropractic, however, are very small.

Many patients feel immediate relief following chiropractic treatment, but some may experience mild soreness or aching (similar to what they experience after some forms of exercise), headaches and tiredness. Current literature shows that minor discomfort or soreness following spinal manipulation typically fades within 24 hours.1

In addition to being a safe form of treatment, spinal manipulation is incredibly effective, getting patients back on their feet faster than traditional medical care. A clinical comparative trial published by the Journal of the American Medical Association found that chiropractic care combined with usual medical care for low back pain provides greater pain relief and a greater reduction in disability than medical care alone.² In addition, a study in the Annals of Internal Medicine found that spinal manipulative therapy and exercise are more effective at relieving neck pain than pain medication.³

Neck Adjustments

Neck pain and some types of headaches are treated through precise cervical manipulation. Cervical manipulation, often called a neck adjustment, works to improve joint mobility in the neck, restoring range of motion and reducing muscle spasm, which helps relieve pressure and tension. Patients typically notice a reduction in pain, soreness and stiffness, along with an improved ability to move the neck. Neck manipulation is a remarkably safe procedure. While some reports have associated high-velocity, upper-neck manipulation with a certain kind of stroke, or vertebral artery dissection, research suggests that patients are no more likely to suffer a stroke following a chiropractic neck treatment than they are after visiting their primary care medical doctor's office. It was also concluded that vertebrobasilar artery (VBA) stroke is a very rare event, and that this type of arterial injury often takes place spontaneously, or following everyday activities such as turning the head while driving, swimming, or having a shampoo in a hair salon.4

Patients with this condition may experience neck pain and headache that leads them to seek professional care -often at the office of a doctor of chiropractic or medical doctor-but that care is not the cause of the injury. The best evidence indicates that the incidence of artery injuries associated with high-velocity, upperneck manipulation is extremely rare - about 1 case in 5.85 million manipulations.5

To put this risk into perspective, if you drive more than a mile to get to your chiropractic appointment, you are at greater risk of serious injury from a car accident than from your chiropractic visit.

It is important for patients to understand the risks associated with some of the most common treatments for neck and back pain—prescription nonsteroidal antiinflammatory drugs (NSAIDs) as well as prescription opioid pain medications—as these options may carry risks significantly greater than those of manipulation.



According to a study from the American Journal of Gastroenterology, approximately one-third of all hospitalizations and deaths related to gastrointestinal bleeding can be attributed to the use of aspirin or NSAID painkillers like ibuprofen.⁶ In addition, as many as one in four people who receive prescription opioids long term for non-cancer pain in primary care settings struggle with addiction.7

Furthermore, surgery for conditions for which manipulation may also be used carries risks many times greater than those of chiropractic treatment. Even prolonged bed rest carries some risks, including muscle atrophy, cardiopulmonary deconditioning, bone mineral loss and thromoembolism.8

A comprehensive review of scientific evidence related to neck pain treatments found at least as much evidence supporting the safety and effectiveness of common chiropractic treatments, including manipulation, as for other treatments such as prescription and nonprescription drugs and surgery.9

If you are visiting your doctor of chiropractic for neck pain or headache, be very specific about your symptoms. This will help your doctor determine the safest and most effective treatment, even if it involves referral to another health care provider. If the issue of stroke concerns you, do not hesitate to discuss it with your doctor of chiropractic. Depending on your clinical condition, he or she can forego manipulation, and can instead recommend joint mobilization, therapeutic exercise, soft-tissue techniques, or other therapies.

Ongoing Research

ACA believes that patients have the right to know about the health risks associated with any type of treatment, including chiropractic. Today, chiropractic researchers are involved in studying the benefits and risks of spinal adjustment in the treatment of neck and back pain through clinical trials, literature reviews and publishing papers reviewing the risks and complications of neck adjustment.

All available evidence demonstrates that chiropractic treatment holds an extremely small risk. The chiropractic profession takes the issue of stroke and the safety of patients very seriously and engages in training and postgraduate education courses to recognize risk factors in patients, and to continue rendering treatment in the most effective and responsible manner.

References:

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