

## Don't Take Arthritis Lying Down

Years ago, doctors hardly ever told rheumatoid arthritis patients to “go take a hike” or “go for a swim.” Arthritis was considered an inherent part of the aging process and a signal to a patient that it’s time to slow down. But not so anymore. Recent research and clinical findings show that there is much more to life for arthritis patients than the traditional recommendation of bed rest and drug therapy.

### What Is Rheumatoid Arthritis?

The word “arthritis” means “joint inflammation” and is often used in reference to rheumatic diseases. Rheumatic diseases include more than 100 conditions: gout, fibromyalgia, osteoarthritis, psoriatic arthritis, and many more. Rheumatoid arthritis is also a rheumatic disease, affecting about 1 percent of the U.S. population (about 2.1 million people.)<sup>1</sup> Although rheumatoid arthritis often begins in middle age and is more frequent in the older generation, young people and children can also suffer from it.

Rheumatoid arthritis causes pain, swelling, stiffness, and loss of function in the joints. Several features distinguish it from other kinds of arthritis:

- Tender, warm, and swollen joints.
- Fatigue, sometimes fever, and a general sense of not feeling well.
- Pain and stiffness that last for more than 30 minutes after a long rest.
- The wrist and finger joints closest to the hand are most frequently affected. Neck, shoulder, elbow, hip, knee, ankle, and feet joints can also be affected.
- The condition is symmetrical. If one hand is affected, the other one is, too.
- The disease can last for years and can affect other parts of the body, not only the joints.<sup>2</sup>

Rheumatoid arthritis is highly individual. Some people suffer from mild arthritis that lasts from a few months to a few years and then goes away. Mild or moderate arthritis have periods of worsening symptoms (flares) and periods of remissions, when the

patient feels better. People with severe arthritis feel pain most of the time. The pain lasts for many years and can cause serious joint damage and disability.

### Should Arthritis Patients Exercise?

Exercise is critical in successful arthritis management. It helps maintain healthy and strong muscles, joint mobility, flexibility, endurance, and helps control weight. Rest, on the other hand, helps to decrease active joint inflammation, pain, and fatigue. For best results, arthritis patients need a good balance between the two: more rest during the active phase of arthritis, and more exercise during remission.<sup>2</sup> During acute systematic flares or local joint flares, patients should put joints gently through their full range of motion once a day, with periods of rest. To see how much rest is best during flares, patients should talk to their health care providers.<sup>3</sup>

If patients experience

- Unusual or persistent fatigue,
- Increased weakness,
- Decreased range of motion,
- Increased joint swelling, or

The following exercises are most frequently recommended for patients with arthritis:\*

Type of Exercise	Benefits	Frequency of Exercise
Range-of-motion exercises, e.g. stretching and dance	Help maintain normal joint movement and increase joint flexibility.	Can be done daily and should be done at least every other day.
Strengthening exercises, e.g. weight lifting	Help improve muscle strength, which is important to support and protect joints affected by arthritis.	Should be done every other day, unless pain and swelling are severe.
Aerobic or endurance exercises, e.g. walking, bicycle riding, and swimming	Help improve the cardiovascular system and muscle tone and control weight. Swimming is especially valuable because of its minimal risk of stress injuries and low impact on the body.	Should be done for 20 to 30 minutes three times a week unless pain and swelling are severe.

\*Adapted from *Questions and Answers about Arthritis and Exercise*.<sup>3</sup>

- Pain that lasts more than one hour after exercising, they need to talk to their health care providers.<sup>3</sup> Doctors of chiropractic will help arthritis patients develop or adjust their exercise programs to achieve maximum health benefits with minimal discomfort and will identify the activities that are off limits.

### Nutrition for the Rheumatoid Arthritis Patient

Arthritis medications help suppress the immune system and slow the progression of the disease. But for those who prefer an alternative approach, nutrition may provide complementary support. Some evidence shows that nutrition can play a role in controlling the inflammation, and possibly also in slowing the progression of rheumatoid arthritis.

Some foods and nutritional supplements can be helpful in managing arthritis:

- Fatty-acid supplements: eicosapentaenoic acid (EPA), docosahexaenoic acid (DHA), and gamma linolenic acid (GLA). Several studies point to the effectiveness of these fatty-acid supplements in reducing joint pain and swelling, and lessening reliance on corticosteroids.<sup>4,5</sup>
- Deep-sea fish, such as salmon, tuna, herring, and halibut, are sources of EPA and DHA. GLA is found in very few food sources, such as black currants and borage seed.
- Turmeric, a spice that's used to make curry dishes, may also be helpful. A 95 percent curcuminoid extract has been shown to significantly inhibit the inflammatory cascade and provide relief of joint inflammation and pain.
- Ginger extract has been shown to be beneficial for inflammation.
- Nettle leaf extract may inhibit some inflammatory pathways.
- A vegetarian or low-allergen diet can help with the management of rheumatoid arthritis, as well.

The benefits and risks of most of these agents are being

Your doctor of chiropractic has the knowledge, training, and expertise to help you understand what your problem is and, in many cases, manage it successfully. Remember, however, that the treatment program can be successful only with your active participation. If your doctor of chiropractic feels that he or she cannot help you, he or she will direct you to another health care provider.

researched. Before taking any dietary supplement, especially if you are using medication to control your condition, consult with your health care provider.

### What Can Your Doctor of Chiropractic Do?

If you suffer from rheumatoid arthritis, your doctor of chiropractic can help you plan an individualized exercise program that will:

- Help you restore the lost range of motion to your joints.
- Improve your flexibility and endurance.
- Increase your muscle tone and strength.

Doctors of chiropractic can also give you nutrition and supplementation advice that can be helpful in controlling and reducing joint inflammation.

### References

1. *Questions and Answers about Arthritis and Rheumatic Diseases.* National Institute of Arthritis and Musculoskeletal and Skin Diseases. February 2002. Available from <http://www.niams.nih.gov/hi/topics/arthritis/artreu.htm>.
2. *Handout on Health: Rheumatoid Arthritis.* National Institute of Arthritis and Musculoskeletal and Skin Diseases. Jan. 1998, revised Nov. 1999. Available from <http://www.niams.nih.gov/hi/topics/arthritis/rahandout.htm>.
3. *Questions and Answers about Arthritis and Exercise.* National Institute of Arthritis and Musculoskeletal and Skin Diseases. May 2001. Available from <http://www.niams.nih.gov/hi/topics/arthritis/arthexfs.htm>.
4. Fortin Paul R., et al. Validation of a meta-analysis: the effects of fish oil in rheumatoid arthritis. *J Clin Epidemiol*, Vol. 48, 1995, pp. 1379-90.
5. Navarro Elisabet, et al. Abnormal fatty acid pattern in rheumatoid arthritis - A rationale for treatment with marine and botanical lipids. *J Rheum*, Vol. 27, February 2000, pp. 298-303.

For More  
Information

To find more information on prevention and wellness, or to find a doctor of chiropractic near you, go to the Patient Information section on ACA's Web site at [www.acatoday.com](http://www.acatoday.com) or call 800-986-4636.

- **PATRICK BERNAT, BA**  
ACA Media & Public Relations Associate Director, Writer
- **ALAN ADAMS, DC, MS, DACBN,**  
Consultant
- **JOEL PINS, PhD, MS, MPH, LN,**  
Consultant
- **NATALIYA SCHETCHIKOVA, PhD,**  
Editor
- **DAVID CUNDIFF, MFA,**  
Art Director



The *For Your Health* patient page is a public service of the *Journal of the American Chiropractic Association*. The information and recommendations appearing on this page are appropriate in most instances, but they are not a substitute for a diagnosis by a specialist. For specific information concerning your health condition, consult your doctor of chiropractic. This page may be reproduced noncommercially by doctors of chiropractic and other healthcare professionals to educate patients. Any other reproduction is subject to ACA approval.