Millions of people suffer from painful and swollen joints associated with arthritis. In the past, many doctors told arthritis patients that dietary changes would not help them. However, this conclusion was based on older research with diets that included dairy products, oil, poultry or meat. New research shows that foods may be a more frequent contributor to arthritis than is commonly recognized. It is clear that, at least for some people, a healthier menu is the answer.

**Different Types of Arthritis**

Arthritis is actually a group of different diseases. Osteoarthritis is a gradual loss of cartilage and overgrowth of bone in the joints, especially the knees, hips, spine and fingertips. Over 20 million Americans, mostly over age 45, suffer from osteoarthritis, which seems to be the result of accumulated wear and tear. Although it can cause painful episodes, it is characterized by only transient stiffness and does not cause major interference with the use of the hands.

Rheumatoid arthritis, which affects over 2 million people, is a more aggressive form of the disease. It causes painful, inflamed joints, which sometimes become damaged. Rheumatoid arthritis is one of medicine's mysteries. There were no medical reports of the disease until the early 1800s. Some have suspected that a virus or bacterium may play a role, perhaps by setting off an autoimmune reaction. Genetics may also be a factor, in that it may influence susceptibility to the disease.

**The Role of Diet**

For years, people have suspected that foods are an important factor in the development of rheumatoid arthritis. Many notice an improvement in their condition when they avoid dairy products, citrus fruits, tomatoes, eggplant, and certain other foods.

Initially, the evidence was anecdotal. A woman from the Midwest once suffered from painful arthritis. Today she is a picture of health, thin and athletic, and her arthritis is totally gone. It seemed that dairy products were to blame for her arthritis, for when she eliminated them from her diet, the arthritis disappeared completely.

Another woman, from Wisconsin, also found that her arthritis was clearly linked to dairy products. Although she had been raised on a dairy farm, she learned that staying away from dairy products was the key to relieving her symptoms. A 1989 survey of over one thousand arthritis patients revealed that the foods most commonly believed to worsen the condition were red meat, sugar, fats, salt, caffeine, and nightshade plants (e.g. tomatoes, eggplant). Once the offending food is eliminated completely, improvement usually comes within a few weeks. Dairy foods are probably one of the principle offenders, and the problem is the dairy protein, rather than the fat, so skim products are as much a problem as whole milk.

An increasing volume of research shows that certain dietary changes do in fact help. For example, polyunsaturated oils and omega-3 supplements have a mild beneficial effect, and researchers have found that vegan diets are beneficial. One 2002 study looked at the influence of a very low fat vegan diet on subjects with moderate to severe RA. After only four weeks on the diet, almost all measures of RA symptoms decreased significantly. The journal *Rheumatology* published a study that found a gluten-free vegan diet improved the signs and symptoms of RA. An uncooked vegan diet, rich in antioxidants and fiber was shown in another study to decrease joint stiffness and pain in patients with RA. Some research studies have looked at fasting followed by a vegetarian or vegan diet. A review of multiple research studies concluded that this dietary treatment might be useful in the treatment of RA.

Vegan diets dramatically reduce the overall amount of fat in the diet, and alter the composition of fats. This, in turn, can affect the immune processes that influence arthritis. The omega-3 fatty acids in vegetables may be a key factor, along with the near absence of saturated fat. The fact that patients also lose weight on a vegan diet contributes to the improvement.

In addition, vegetables are rich in antioxidants, which can neutralize free radicals. Oxygen free radicals attack many parts of the body, contribute to heart disease and cancer, and intensify the aging processes generally, including of the joints.

Iron acts as a catalyst, encouraging the production of these dangerous molecules. Vitamins C and E, which are plentiful in a diet made of vegetables and grains, help neutralize free radicals. Meats supply an overload of iron, no vitamin C, and very little vitamin E, whereas vegetables contain more controlled amounts of iron, and generous quantities of antioxidant vitamins.

As well as being helpful in preventing arthritis, antioxidants may also have a role in reducing its symptoms.
Some arthritis treatments, including non-steroidal anti-inflammatory drugs, work at least in part by neutralizing free radicals. For the most part, however, vitamins and other antioxidants will be of more use in preventing damage before it occurs, rather than in treating an inflamed joint.10

A diet drawn from fruits, vegetables, grains and beans therefore appears to be helpful in preventing and, in some cases, ameliorating arthritis.

The Four-Week Anti-Arthritis Diet (adapted from Foods That Fight Pain, by Neal Barnard, M.D.)

For four weeks, include generous amounts of foods from the pain-safe list in your routine.

At the same time, scrupulously avoid the major triggers. It is important to avoid these foods completely, as even a small amount can cause symptoms.

Foods that are not on either list can be consumed, so long as you are emphasizing the arthritis-safe foods and scrupulously avoiding the major triggers.

You may well experience benefits earlier than four weeks, but for some people it can take this long for chronically inflamed joints to cool down.

Pain-Safe Foods

<table>
<thead>
<tr>
<th>Pain-safe foods virtually never contribute to arthritis or other painful conditions. These include:</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Brown rice</td>
</tr>
<tr>
<td>• Cooked or dried fruits: cherries, cranberries, pears, prunes (but not citrus fruits, bananas, peaches or tomatoes)</td>
</tr>
<tr>
<td>• Cooked green, yellow, and orange vegetables: artichokes, asparagus, broccoli, chard, collards, lettuce, spinach, string beans, summer or winter squash, sweet potatoes, tapioca, and taro (poi)</td>
</tr>
</tbody>
</table>
| • Water: plain water or carbonated forms, such as Perrier, or some arthritis patients, supplements of certain essential fatty acids have been helpful. They should be thought of as a medicine, rather than a food. A typical regimen would include a tablespoon of flaxseed oil with 500 mg of blackcurrant oil (or 3 capsules of evening primrose oil) twice each day. If it is helpful, it should be reduced to the lowest effective dose. Some people also benefit from an herb called feverfew taken 2-3 times per day. (Caution: Do not take feverfew if you are pregnant.)

These supplements are available in health food stores.

References