



Holladay Physical Medicine

4211 Holladay Blvd. – Holladay, UT 84124 – (801) 272-8471

Bruce Gundersen, D.C., DIANM

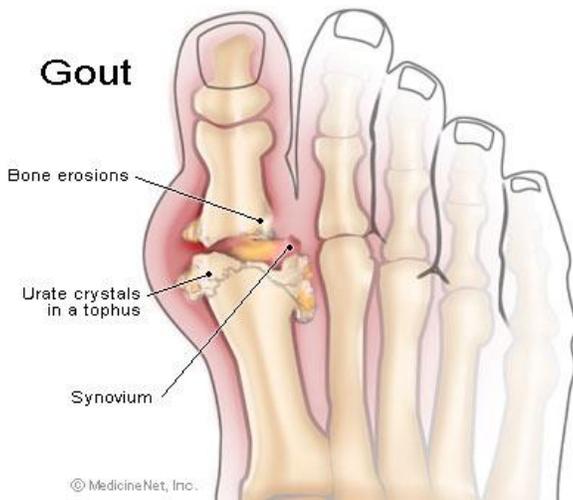
www.holladayphysicalmedicine.com

This Information is about this condition in general. Every individual has a unique presentation. Once you understand this information, consult the doctor on any specific questions about your condition.

Gout

Gout is a form of arthritis marked by sudden attacks of painful, inflamed joints. It is characterized by pain, swelling, redness, and warmth (inflammation) as well as stiffness in a joint or joints. Without treatment,

gout attacks tend to recur and may cause severe damage to joints, tendons, and other tissues. Gout is most common in men.



How does it occur?

Gout is caused by too much uric acid in the blood (hyperuricemia). Hyperuricemia usually does no harm, and most people with high levels of uric acid in the blood never develop gout. When uric acid levels in the blood are too high, uric acid may form crystals that accumulate in the joints. The exact cause of hyperuricemia sometimes goes

undiscovered, although inherited factors (genes) seem to play a role. Gout can seem to flare up without specific cause or can be brought on by factors such as being overweight, eating meats and seafood that are high in chemicals called purines, taking certain medications (especially aspirin and diuretics), and drinking too much alcohol.

What are the symptoms?

Gout usually develops after a number of years of buildup of uric acid crystals in the joints and surrounding tissues. The most common symptom of gout is a nighttime attack that produces swelling, tenderness, redness, and sharp pain affecting a big toe (this symptom is called podagra). People who have gout may have a few very painful attacks in one or two joints, usually the big toe, foot, ankle, or knee joints. The attack can last a few days or as long as several weeks, and then the symptoms disappear completely. Another attack may not occur for months or years.

How is it diagnosed?

A physical examination and complete medical history will help you and your health professional identify the cause of your symptoms. While several tests can support a diagnosis, the joint fluid aspiration test,

which checks for the presence of uric acid crystals in the joint fluid, is considered most helpful. Your health professional will probably also do a blood test to measure the uric acid content in your blood.

How is it treated?

The goals of treatment for gout are rapid pain relief and prevention of future gout attacks and long-term complications, such as joint destruction and kidney stones. There are two parts to the treatment of gout:

- Adjusting diet to avoid foods high in purines including:
 - anchovies, bouillon, brains, broth, consommé, dried legumes, goose, gravy, heart, herring, kidneys, liver, mackerel, meat extracts, mincemeat, mussels, partridge, fish roe, sardines, scallops, shrimp, sweetbreads, baker's yeast, brewer's yeast, and yeast extracts (e.g., Marmite, Vegemite).
 - Elimination of sugar and other refined carbohydrates
 - Acidifying the system with daily apple cider vinegar
- Preventing future attacks and long-term complications by:
 - Adjusting involved joints between acute episodes
 - Adjusting surrounding joints
 - Cold laser therapy
 - Exercise and rehabilitation of involved and surrounding joints and soft tissues
 - Vitamin C, Niacin
 - Eating cherries or drinking cherry juices has been shown to prevent gout attacks.
 - Eliminating causes such as certain medications
 - Taking prescribed medication to lower the uric acid
- Reducing acute painful joint inflammation (a gouty attack) by using anti-inflammatory medications.
- Specific mild manipulation of the surrounding joints and soft tissues

USE OF PRESCRIPTION DRUGS

We do not prescribe drugs nor recommend their use if harmful side-effects are associated with your complaints. We also do not, in any case, recommend changes in the use of prescription drugs that a licensed physician has given you. If you believe alterations in those prescriptions are in the best interest of your health, always consult with the prescribing physician before making any changes.

NUTRITION AND SUPPLEMENTATION:

The ideal situation for nutrition in any injury or disease is first to eat whole foods, and to avoid processed foods, fast foods preservatives, refined carbohydrates and sugar. We have much information on our web page under Absolute Health Clinic. The physical medicine modalities we will provide you will help reduce the symptoms in the time we have projected. If you want to heal, this step is something you will need to take.

Nowadays, even if you do all of those things, you need to realize that our food supply has been gradually depleted. The pure ingredients needed to maintain body function, metabolism and immunity have been drastically reduced. We recommend only whole food supplements. Studies are clear that synthetic vitamins and mineral supplements are not only not helpful to the body in most cases, but can toxic. Don't expect

them to take the place of what we recommend here. They will not help you sufficiently to heal properly. The following list has been prioritized to help you gradually begin to supplement your improved diet and provide your body with the ingredients it needs to restore or improve your immune response and then provide the raw materials in usable form to repair the damaged or diseased tissue. The degree to which you can implement these items will largely determine how fast you recover and more importantly whether or not you have a recurrence or relapse of the symptoms again soon.

These products are all produced by Standard Process. You may obtain them on line from Amazon or other distributors if you like or we can order them for you and save you an average of \$5 per bottle plus you can avoid shipping charges.

GENERAL DAILY SUPPLEMENTS

Catalyn
Tuna Omega-3 oil
Calcium Lactate
Trace Minerals B12
Cataplex D
Prolamine Iodine

SPECIFIC FOR THIS CONDITION

Phosfood Liquid
AC Carbamide
Arginex
Renatrophin

Specific dosages will be provided by the doctor.

Celery juice is also helpful.

We have many other specific items for a variety of health deficient conditions. Consult our web page or ask the doctor.

HOME REMEDIES AND MEDICINES

After the first 1-3 days when you should be using 5-8 minutes of cold packs, utilize moist heat packs on a daily basis during the first phase of treatment. 15 minutes is the maximum therapeutic dose for heat in this condition. The application may be repeated with at least 15 minutes of non-heat rest in between. This will help relax tight muscle fibers and bring blood to the region. Hot tubs and baths with Epsom salts provide temporary relief.

The use of over-the-counter medications for pain and inflammation may be seen as necessary at first depending on your pain level and tolerance. Understand that we depend on your natural immune response to function well in order to heal this disorder. Some pain relievers and most anti-inflammatory medications shut of the inflammatory response which is what triggers your body's immune response mechanisms. If you need pain medicines of any kind to continue to function or to be able to do the exercise routines we have recommended, use good judgement in when you use them. We strongly suggest you consider ice packs for 5-10 minutes for pain relief and mechanical positioning of the injured areas to relive pressure and pain. The more you are able to do these procedures and avoid medications, the faster your immune response will be effective and the sooner you will be out of pain and begin healing. The sooner you can stop taking pain medication, the better it will be for your healing.

EXERCISES:

Exercises should be specific, performed at the right time and in a particular order and only done on the advice of the doctor depending on the joint or joints involved.. They should be simple and aimed at pain relief and stabilization at first. Seek advice from your chiropractic physician on when to do these exercises and how often. When performed correctly, rehabilitation exercises can be the key to avoiding multiple episodes of pain and maintaining the function of the muscles and joints.

Our goal here is to have you begin exercises as soon as the joint mobility has been restored sufficiently. Consistent and proper exercise rehabilitation will shorten your treatment time and help reduce recurrence of the same disorder.

We offer a video training featuring exercises specifically designed and proven effective if properly performed for the rehabilitation of this condition. These video files are available on our web page at www.holladayphysicalmedicine.com ---follow that link, then the exercise pulldown menu at the top center of the home page, choose therapeutic and then scroll down to:

Foot

then also and review

ankle

and perform them daily as soon as you can work it into your schedule. Along with the physical medicine we have recommended, it is the regular performance of these exercises that will get you well and keep you well.

MAINTENANCE:

Regular spinal adjustments and mild forms of physical therapy are important to reduce the symptoms on a regular basis. Patients who receive monthly spinal manipulation and therapy report fewer complications and improved life style. It is important that you follow your chiropractic physician's advice about the frequency of treatment for your particular condition.

OTHER INFORMATION:

We offer a wide variety of health information at our web site. www.holladayphysicalmedicine.com All patients are welcome to use our information to improve your life and maintain your spinal health.

This information is provided to you as a health service by Dr. Bruce Gundersen, DC, DIANM. He is board certified by the International Academy of Neuromusculoskeletal Medicine and currently serves as chairman of the examination board for the Academy. He is also the President of the Utah College of Chiropractic Orthopedists and clinical director and chief clinician at Holladay Physical Medicine. He has practiced physical and regenerative medicine for over 40 years.