Rheumatoid arthritis
Summary

- Rheumatoid arthritis causes pain and inflammation in your joints.
- It commonly affects the hands, knees and feet.
- There’s no cure, but it can be managed and damage to your joints can be reduced with early and ongoing treatment.

Rheumatoid arthritis (RA) is a chronic condition that results from a malfunctioning immune system.

Your immune system is designed to identify foreign bodies (such as bacteria and viruses) and attack them to keep you healthy. However, in the case of rheumatoid arthritis, your immune system mistakenly attacks healthy tissue in and around your joints, causing ongoing inflammation and pain.

Your joints and rheumatoid arthritis

Joints are places where bones meet. Bones, muscles, ligaments and tendons all work together so that you can bend, twist, stretch and move about.

The ends of your bones are covered in a thin layer of cartilage. It acts like a slippery cushion absorbing shock and helping your joint move smoothly.

The joint is wrapped inside a tough capsule filled with synovial fluid. This fluid lubricates and nourishes the cartilage and other structures in the joint.

When you have rheumatoid arthritis:

- your immune system attacks your joints, which causes:
  - a build-up of synovial fluid
  - inflammation of the tissues that line the joint (synovial membrane)
  - pain, heat and swelling
- cartilage becomes brittle and breaks down – because the cartilage no longer has a smooth surface, the joint becomes stiff and painful to move
- ligaments, tendons and muscles surrounding the joint can also be affected, causing joints to become unstable.

What are the symptoms of rheumatoid arthritis?

The most common symptoms of rheumatoid arthritis include:

- swelling, pain and heat in the joints, usually starting in the smaller joints of the hands or feet
- stiffness in the joints, especially in the morning
- persistent mental and physical tiredness (fatigue)
- the same joints on both sides of the body being affected

Less common symptoms may include weight loss, inflammation of other body parts (such as the lungs or eyes) or rheumatoid nodules (fleshy lumps below the elbows or on hands or feet).

Rheumatoid arthritis can occur at any age, but usually appears between the ages of 30 and 60. It affects women more often than men.

The course and severity of rheumatoid arthritis varies from person to person. Symptoms may change from day to day.

At times your symptoms (such as pain, fatigue and inflammation) may become more intense. This is a flare, or flare-up. Flares are unpredictable and can seem to come out of nowhere.

What causes rheumatoid arthritis?

We don’t know what causes the immune system to malfunction and attack the joints, but it appears that your genes may play a role. Other factors such as hormones, infection (by an unknown bacteria or virus), emotional distress or environmental triggers (such as cigarette smoke or pollutants) may be involved.

What do I do if I think I have rheumatoid arthritis?

If you’re experiencing joint pain and inflammation, it’s important that you discuss your symptoms with your doctor. Getting a diagnosis as soon as possible means that treatment can start quickly. Early treatment will help you to control the inflammation, manage pain more effectively and minimise the risk of long-term joint damage and disability.

If you’re diagnosed with rheumatoid arthritis or suspected of having the condition, you may be referred to a medical specialist known as a rheumatologist for further investigations and medical treatment.
What is the treatment for rheumatoid arthritis?

While there’s no cure for rheumatoid arthritis, there are many strategies to help manage the condition and its symptoms so you can continue to lead a healthy and active life. It’s helpful to understand the nature of your condition and build good relationships with your doctor, rheumatologist and healthcare professionals.

Medication for rheumatoid arthritis

Some of the medications you may take include:

- pain relievers (or non-steroidal anti-inflammatory medications NSAIDs), such as ibuprofen, to control inflammation and provide pain relief
- corticosteroids, such as prednisolone, to quickly control or reduce inflammation
- disease-modifying anti-rheumatic drugs (DMARDs), such as methotrexate, to control your overactive immune system
- biological and immunomodulating medicines (bDMARDs), such as infliximab – these are biological disease-modifying drugs that work to control your immune system, but in a much more targeted way.

Depending on your particular symptoms, and how much pain and inflammation you have, you may take one medication or a combination of different medications.

How do I self-manage rheumatoid arthritis?

There are other things you can do to manage your rheumatoid arthritis:

- learn about rheumatoid arthritis – knowing as much as possible about your condition means that you can make informed decisions about your healthcare and play an active role in the management of your condition
- exercise – this will help you maintain muscle strength and joint flexibility, build up stamina and help you manage your pain. Appropriate low-impact aerobic activities include exercising in warm water, cycling and walking. Activities like strength training and tai chi are also beneficial. Seek advice from a physiotherapist or an accredited exercise physiologist before you begin an exercise program to make sure it is safe and suits your abilities
- see a physio – a physiotherapist can provide advice on ways you can modify your activities to minimise joint pain, show you pain relief techniques and design an individual exercise program for you
- talk to an OT – an occupational therapist can give advice on pacing yourself and managing fatigue, and modifying daily activities at both home and work to reduce strain and pain on affected joints
- try relaxation techniques – muscle relaxation, distraction, guided imagery and other techniques can help you manage pain and difficult emotions such as anxiety, and can help you get to sleep
- grab a gadget – supports such as walking aids and specialised cooking utensils, ergonomics, computer equipment and long-handled shoe horns can reduce joint strain and can help you to manage pain and fatigue. An occupational therapist can give you advice on aids and equipment to suit you
- rest – can help you to manage fatigue and is particularly important when your joints are swollen
- stay at work – it’s good for your health and wellbeing. Talk to your doctor or allied healthcare professional about ways to help you stay at work or get back to work
- eat well – while there’s no specific diet for people with rheumatoid arthritis, it's important to have a healthy, balanced diet to maintain general health and prevent weight gain and other medical problems, such as diabetes and heart disease
- join a support group – a peer support group can provide understanding, advice, support and information from others in a similar situation. Contact MOVE muscle, bone & joint health for more information
- complementary therapies – treatments such as massage or acupuncture may be helpful. Talk with your doctor or rheumatologist before starting any treatment.
- Fish oil supplements may also be helpful as they contain omega-3 fats. Research suggests omega-3 fats can help reduce rheumatoid arthritis inflammation.

Joint surgery for rheumatoid arthritis

Surgery may be necessary in some cases when joint deterioration and pain are severe or there’s a risk of losing overall function.

Where to get help

- **Your GP (doctor)**
- Rheumatologist
- **MOVE muscle, bone & joint health** Tel. (03) 8531 8000 or 1800 263 265
- Australian Physiotherapy Association
- Exercise and Sports Science Australia
- Occupational Therapy Australia
- Independent Living Centres Australia
- Medicines Line for information on prescription, over-the-counter and complementary medicines Tel. 1300 MEDICINE (1300 633 424)

References

- [Rheumatology](http://www.rheumatology.org.au/), 2017, Therapeutic Guidelines, Melbourne.
- [Rheumatoid arthritis](http://www.rheumatology.org.au/), MOVE muscle, bone & joint health.
- [Rheumatoid arthritis: medications and treatments](http://www.rheumatology.org.au/), MOVE muscle, bone & joint health.
- [Medicine information sheets](http://www.rheumatology.org.au/), Australian Rheumatology Association.
- [Women's insights into rheumatoid arthritis](http://www.rheumatology.org.au/), Arthritis Australia.
- Diet, MOVE muscle, bone & joint health.

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More information
Arthritis

The following content is displayed as Tabs. Once you have activated a link navigate to the end of the list to view its associated content. The activated link is defined as Active Tab

- Arthritis-basics
- Understanding arthritis
- Types of arthritis
- Treatment for arthritis
- Living with arthritis

Arthritis-basics

- Arthritis explained
  People can manage their arthritis using medication, physiotherapy, exercise and self management techniques.

- Living with persistent pain
  Pain is our built-in alarm system. It makes us aware that something might be going wrong in our body. However, there are many things you can do to deal effectively with persistent pain.

- When do I need to see my doctor about persistent pain?
  Living with persistent pain isn’t easy. Your doctor can help you balance your pain, your treatment and hurdles you encounter in life.

- Treating persistent pain
  Pain is our built-in alarm system. It makes us aware that something might be going wrong in our body. However, there are many things you can do to deal effectively with persistent pain.

- Rheumatologist
  A rheumatologist is a medical professional who specialises in diagnosing, treating and managing diseases of the joints, muscles and bones.

- Orthopaedic surgeon
  An orthopaedic surgeon specialises in diagnosing, treating, preventing and rehabilitating musculoskeletal injuries and diseases, both surgically and non-surgically.

Understanding arthritis

- Arthritis explained
  People can manage their arthritis using medication, physiotherapy, exercise and self management techniques.

- Arthroscopy
  Most people can resume normal activities around three weeks after an arthroscopy.

- Back pain
  Back pain is common. Some people will develop back pain that is persistent (lasts more than three months). There are many things that you can do to live well with back pain.

- Chronic illness
  A chronic or long term illness means the person has to adjust to the demands of the illness and the therapy used to treat the condition.

- Elbow pain
  Elbow pain can result from overuse in a range of sports or occupations.

- Hip disorders
  The hip joint is complicated to allow a wide range of motion while still supporting the weight of the body.

- Joints
  A joint is the part of the body where two or more bones meet to allow movement.

- Neck pain
  Treatments like physiotherapy, osteopathy or remedial massage can generally help neck and shoulder pain.

- Shoulder pain
  Shoulder pain is common in our community. The good news is that with appropriate treatment pain will improve so you can get back to doing the things you enjoy.

Types of arthritis
• **Ankylosing spondylitis**
  Ankylosing spondylitis (AS) is a type of inflammatory arthritis that targets the joints of the spine.

• **Arthritis explained**
  People can manage their arthritis using medication, physiotherapy, exercise and self management techniques.

• **Arthritis - juvenile**
  One child in every 1,000 in Australia is diagnosed with juvenile arthritis. It is one of the most common chronic conditions to affect children.

• **Fibromyalgia**
  Fibromyalgia is a condition associated with widespread pain and tenderness.

• **Gout**
  While most other types of arthritis develop slowly, an attack of gout happens suddenly, often overnight.

• **Osteoarthritis**
  Many people will experience symptoms of osteoarthritis as they age.

• **Polyarthritis rheumatica**
  Typical symptoms of polyarthritis rheumatica include severe muscle aches and stiffness, particularly in the neck, shoulders and thighs.

• **Reactive arthritis**
  Reactive arthritis is a form of arthritis that occurs as a result of some bacterial infections.

• **Rheumatoid arthritis**
  Early treatment of rheumatoid arthritis is important in helping you manage the condition more effectively.

**Treatment for arthritis**

• **Knee replacement surgery**
  Knee replacement surgery removes a diseased knee joint and replaces it with an artificial joint.

• **Medications - non-steroidal anti-inflammatory drugs**
  Non-steroidal anti-inflammatory medicines should always be used cautiously and for the shortest time possible.

• **Pain and pain management - adults**
  Always see your doctor if you have ongoing pain to find the best pain-management option for you.

• **Treating persistent pain**
  Pain is our built-in alarm system. It makes us aware that something might be going wrong in our body. However, there are many things you can do to deal effectively with persistent pain.

**Living with arthritis**

• **10 tips to exercise safely**
  Exercising regularly has wide-ranging physical, emotional and social health benefits. You need to exercise safely to remain healthy and injury-free. If it’s safe and painless, you’re more.

• **Arthritis and exercise**
  Exercise can reduce some of the symptoms of arthritis, and improve joint mobility and strength.

• **Living with persistent pain**
  Pain is our built-in alarm system. It makes us aware that something might be going wrong in our body. However, there are many things you can do to deal effectively with persistent pain.

• **Tai chi - health benefits**
  People of all ages and fitness levels can practice tai chi and may gain health benefits.

**Related Information**

• **Arthritis**
  Arthritis occurs when joints or muscles become painful, stiff and swollen. Exercise, medication and supportive therapies can help manage symptoms.
• Reactive arthritis
  Reactive arthritis is a form of arthritis that occurs as a result of some bacterial infections...

• Arthritis - juvenile
  One child in every 1,000 in Australia is diagnosed with juvenile arthritis. It is one of the most common chronic conditions to affect children...

• Gout
  While most other types of arthritis develop slowly, an attack of gout happens suddenly, often overnight...

• Polymyalgia rheumatica
  Typical symptoms of polymyalgia rheumatica include severe muscle aches and stiffness, particularly in the neck, shoulders and thighs...

Related information on other websites

• Arthritis Research UK
• Australian Rheumatology Association - patient information.
• Musculoskeletal Australia - Rheumatoid Arthritis
• National Prescribing Service Ltd.

Support Groups

• Musculoskeletal Australia

Content Partner

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• Patient information on Paracetamol
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