



Oxford University Hospitals
NHS Foundation Trust

Important Information About Anticoagulation With Vitamin K Antagonists

Information for patients

Oxfordshire
Anticoagulation Service

What is this booklet for?

This booklet has been given to you because you have started to take a medicine known as a vitamin K antagonist (VKA) which acts as an anticoagulant. This will usually be a tablet called warfarin, but may be another type of VKA.

A nurse, pharmacist, or doctor will go through this booklet with you. They will explain what it all means and answer any questions you may have. This may be while you are in hospital, when you go to the Anticoagulation Service clinic, or at your GP surgery.

What information does this booklet contain?

This booklet gives you important information about your treatment.

It also tells you who to talk to if you need more information or advice.

Please keep this booklet at home so you can look at it when you need to.

What other information will I be given?

You will be given:

- An Anticoagulant Alert Card. You should carry this with you at all times. This card tells people that you are taking an anticoagulant medicine. This information may be important in an emergency.
- An Anticoagulant Therapy Record. This will be sent to you every time you have an INR blood test. It will show:
 - your latest INR blood test result
 - the dose of anticoagulant you should take
 - the date you should have your next blood test.

Always have your latest Therapy Record with you when you are collecting a repeat prescription for your anticoagulant medicine.

Contents of this booklet

1. What are anticoagulant medicines for and how do they work?
2. Your anticoagulant medicine
3. Checking and monitoring your anticoagulant medicine and knowing what dose to take
4. Are there any serious side effects of taking anticoagulants?
5. Advice in the event of an injury to your head
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1. What are anticoagulant medicines for and how do they work?

Anticoagulants work by making your blood take longer to clot than it normally does. This reduces the risk of harmful blood clots forming in your blood vessels.

2. Your anticoagulant medicine

How do I take my anticoagulant?

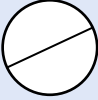



- Take your anticoagulant once a day.
- Take it at about the same time each day.

What should I do if I miss a dose or take the wrong dose?

- If you miss a dose, make a note on your next blood test form and continue the next day with your normal dose. Do not take an extra dose to “catch up”.
- If you took the wrong dose and this was much more than your normal dose, contact your anticoagulation service or GP straight away.

What do warfarin tablets look like?

Different brands of warfarin may have different markings to those shown below, but each strength will always be the same colour.

0.5 mg (500 micrograms or half a milligram)	White	
1 mg (one milligram)	Brown	
3 mg (three milligrams)	Blue	
5 mg (five milligrams)	Pink	

You may need a mixture of different strength tablets to make up your correct dose. The nurse, pharmacist or doctor will explain this to you.

You will be given your dose in the number of milligrams and not the number of tablets.

Other VKA anticoagulant medicines

Most people on a VKA take warfarin, but there are two other VKAs called:

- phenindione (Dindevan)
- acenocoumarol (for example Sinthrome).

These come in different strengths and colours. If you need to take one of these medicines your nurse, doctor or pharmacist will explain them to you.

3. Checking and monitoring your anticoagulant medicine and knowing what dose to take

You must have a regular blood test to check that the dose of anticoagulant you are taking is correct. This blood test is called an INR test.

What is the 'INR'

- INR stands for 'International Normalised Ratio'. It measures how long your blood takes to clot.
- If you were not taking warfarin or another anticoagulant, your INR would be around 1.0.
- The longer the blood takes to clot, the higher the INR level. For example an INR of 2.0 means that the blood is taking about twice as long as normal to clot.

Working out the dose to take

- The therapeutic INR range required for your condition is written in the front of this booklet. The aim is to keep your INR within, or very close to your therapeutic range, as this is when your anticoagulant is safest and most effective.
- Ask the nurse, pharmacist or doctor if you are not sure of what your INR should be.

- If your INR result is too low your anticoagulant dose will be increased.
- If your INR result is too high your anticoagulant dose will be reduced.

Ordering repeat prescriptions

When you request a repeat prescription you may be asked to provide information about your INR test results and current dose of oral anticoagulant. Please take your latest Therapy Record with you if you see your GP.

Your local pharmacist may also ask to see this information when they dispense your prescription.

Make sure that you do not run out of tablets and always have at least a week's supply in hand.

4. Are there any serious side effects of taking anticoagulants?

Like all medicines, anticoagulants have side effects. The most serious side effect of anticoagulants is bleeding.

You should contact your GP urgently or go to the nearest Emergency Department if you experience any of the following:

- nosebleeds that last more than 10 minutes
- blood in your vomit or sputum
- passing blood when you go to the toilet – either in your urine or faeces
- passing black coloured faeces
- severe or spontaneous bruising (bruising that appears for no reason)
- unusual headaches
- an injury to your head (see section 5).

If you are experiencing less severe nosebleeds (that stop easily after one or two minutes) please discuss this with your GP or the nurse at the anticoagulation service.

If you cut yourself, apply firm pressure to the area for at least five minutes, using a clean, dry dressing.

There is more information about side effects on the leaflet provided in the packet with your medicines.

5. Advice in the event of an injury to your head

Since you are taking an anticoagulant medication, it is important to be aware of the risks associated with head injuries. If you experience a bump, blow, or jolt to the head, it is important to seek medical attention right away. Even if you do not feel any symptoms after the injury.

The doctor will examine you, and depending on the nature of your injury, may recommend a scan of your head. They will also carry out a risk assessment and weigh up the benefits of continuing with your anticoagulant medication or stopping it temporarily. They will give you clear advice about how to manage your anticoagulant after your injury. If you have any questions or concerns please contact the anticoagulation service.

6. What other things can affect anticoagulant medicines?

Other medicines

Many medicines can affect anticoagulants. You should always mention that you are on anticoagulants when talking to a doctor, nurse or pharmacist about other medication.

Prescribed medicines:

- If you **stop** or **start** another medicine while taking an anticoagulant the person prescribing the medicine may tell you to have a blood test within 3 to 5 days of starting or stopping the new medicine. This is to make sure that your INR level has not changed.
- Please talk to your anticoagulation service for further advice.

Over the counter medicines including alternative remedies (like herbal or homeopathic remedies):

- Always tell the pharmacist that you are taking an oral anticoagulant and show them your anticoagulant alert card.
- Talk to your GP or anticoagulation service **before** starting any herbal remedies, vitamins or supplements. This is because these can affect your INR and the amount of anticoagulant you need.
- Your pharmacist can advise you on medicines that are safe for you to take.
- Please talk to your anticoagulation service if you are unsure or would like further advice.

Aspirin and medicines called 'non-steroidal anti-inflammatories' (or NSAIDs):

- Do not take aspirin or medicines like aspirin (such as **diclofenac**, **ibuprofen** or **naproxen**) unless your GP or another doctor has prescribed it, knowing that you are taking anticoagulants.

Taking painkillers

- Paracetamol and codeine-based painkillers are fine to take, but contact your anticoagulation service if you start taking the maximum daily dose on a regular basis. The maximum daily dose should be written on the packet or pharmacy label. If it is not then check with your pharmacist.
- Be aware that some paracetamol 'plus' medicines contain aspirin. This should be clearly written on the label but ask the pharmacist if you are not sure.

Diet

It is important to eat a well-balanced diet. If you have major changes in your diet this may affect how your body responds to your anticoagulant medicine. If you would like more information about your diet speak to the anticoagulation clinic.

Alcohol

A moderate intake of alcohol will not affect your anticoagulation but 'binge drinking' is dangerous while taking anticoagulants.

Sickness and diarrhoea

If you have sickness and diarrhoea that lasts more than one or two days, this may affect your INR result. You should have an INR test even if you are not due for one.

7. Going to the dentist or having an operation

Going to the dentist

Most dental treatment can go ahead as normal without your anticoagulant being stopped. Make sure your dentist knows that you are taking an anticoagulant before your appointment date.

You will need to have an INR test within the three days before your procedure.

Having an operation

If you are having planned surgery, make sure you tell the doctor or pre-assessment clinic nurse that you are taking an anticoagulant.

You may need to stop your anticoagulant for a few days before your operation, but the doctor will discuss this with you.

8. Additional information for women taking anticoagulants

Pregnancy and breast feeding

Oral anticoagulants can affect the development of a baby in early pregnancy. It is important to make sure you are using reliable contraception to avoid becoming pregnant.

If you are a woman taking anticoagulants you should talk to your doctor about plans for pregnancy, before trying for a baby.

If you think you are pregnant while taking anticoagulants you should have a pregnancy test as soon as possible. If this is positive make an urgent appointment to see your doctor.

It is safe to breastfeed while taking vitamin K antagonist anticoagulants.

Periods

You may have heavier periods while taking anticoagulants. If this happens you should talk to your GP or the anticoagulation service.

9. Other information

Playing sport

It is best to avoid contact sports while you are on anticoagulants.

This is because you may bleed a lot more if you are injured. You can discuss this further with the nurse at the anticoagulation service, if required.

10. Information about the Oxford Anticoagulation Service

This section of the booklet is about the Anticoagulation Service in Oxford.

If your GP surgery does not use the Anticoagulation Service, or you live outside the Oxfordshire area, then this section will not be relevant to you. Your own GP will tell you about your local arrangements for blood tests and monitoring.

In this section:

- a. The Anticoagulation Service opening hours.
- b. Where to have your INR blood test.
- c. Finding out your blood test results.
- d. Your Therapy Record.
- e. How to contact the Anticoagulation Service.
- f. What to do if you need an INR blood test when you are away from the Oxford area.

a. The Anticoagulation Service opening hours

The Anticoagulation Service is based at the Nuffield Orthopaedic Centre in Oxford and the Horton General Hospital in Banbury. It is run by specialist nurses (called Thrombosis nurses) and the haematology consultants.

- The service operates **Monday to Friday (excluding bank holidays)** between **9am and 5pm**.
- Routine testing is Monday to Thursday only. **Please avoid having a blood test on a Friday unless the Anticoagulation Service or your doctor asks you to.**

b. Where to have your INR blood test

You will have your blood tests at your GP surgery. Your surgery will tell you how to arrange this.

c. Finding out your blood test results

By post

You will be sent an 'Anticoagulant Therapy Record' form every time you have an INR blood test. This will include

- your INR result
- the dose instructions of the anticoagulant you should take
- the date of your next INR blood test.

By telephone

You will receive a telephone call, the day after your test, **only if**:

- we make a major change to your anticoagulant dose, or
- we want you to have your next INR test within a week.

If you do not receive a phone call please **continue to take the dose of anticoagulant you are currently taking until you receive your Anticoagulant Therapy Record in the post.**

If you are particularly concerned or have not received your record in the post within three days of having your test, you can telephone the Anticoagulation Service.

d. Your Therapy Record

You should take the lower part of the form to your GP when you have your blood test. If you are having your blood test at an outpatient appointment please ask the person taking your blood to use this form. You should complete the questionnaire on the form before each blood test.

If you do not have your form with you please ask the person taking your blood to write the word 'RAID' on the request form they use. This will mean that the result will be seen by the Thrombosis Nurses. '**RAID**' stands for 'Rapid Anticoagulant Interpretation and Dosing' and is the name of the computer program the nurses use to help work out your correct dose.

e. How to contact the Anticoagulation Service

The telephone lines are open from 9am to 5pm.
(Monday to Friday, excluding Bank holidays.)

**Nuffield Orthopaedic
Centre**

Telephone: 01865 857 555

Email: AC.Services@ouh.nhs.uk

Horton General Hospital

Telephone: 01295 229 224

Email: achgh@ouh.nhs.uk

f. What to do if you need an INR blood test when you are away from the Oxford area

If you know you will need a test when you are away, please talk to the Anticoagulation Service about this. Take your Anticoagulant Therapy Record to a local hospital or GP surgery and ask for an INR blood test. You should telephone the hospital or GP first to arrange this. Find out if you can wait for the result or give a contact number where you can be contacted locally.

Once you have the INR result, telephone or email the Oxford Anticoagulation Service on the same or next day. The nurse at the Anticoagulation Service will tell you your anticoagulant dose and next test date by phone or email.

Travelling in the UK

If you are staying with family or friends, or if you will be away but still in the UK for more than a few weeks, you should register with a local GP as a temporary patient.

Travelling abroad

- Where possible you should contact your Anticoagulation Service for advice before you travel.
- Be sure to take enough tablets with you for the whole trip.
- You should keep a copy of your prescription with you.
- You should take your Anticoagulant Alert Card with you in case of emergencies.

In an emergency you should see a doctor where you are staying.

Further information

If you would like an interpreter, please speak to the department where you are being seen.

Please also tell them if you would like this information in another format, such as:

- Easy Read
- large print
- braille
- audio
- electronic
- another language.

We have tried to make the information in this leaflet meet your needs. If it does not meet your individual needs or situation, please speak to your healthcare team. They are happy to help.

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Oxford University Hospitals NHS Foundation Trust

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charity@ouh.nhs.uk | 01865 743 444 | hospitalcharity.co.uk

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