

The information in this pamphlet is for adults, who are not pregnant and have not had a blood clot before.

Testing for blood clots

If your health care provider thinks you might have a blood clot, the health care provider will perform different tests to see if you have one. The tests you receive depend on what your risk of a blood clot is, what type of blood clot they think it is, and what tests are available.

Why you might need testing for blood clots

Your health care provider may want to test for a blood clot, if you have symptoms, such as:

- chest pain
- breathing problems, such as shortness of breath
- fast heartbeat
- swelling or redness or pain in one leg

What are the different types of blood clots and conditions my doctor could think I have?

Upper extremity DVT

Pulmonary embolism

Lower extremity DVT

What are blood clots?

On the outside of the body, blood clots can be good. They stop the bleeding after an injury.

When a blood clot forms inside the body, it can sometimes block a blood vessel, such as a vein or artery. **If blocked, blood may not be able to flow and organs could be damaged.**

When a blood clot blocks a vein deep in the body, it may cause **deep vein thrombosis** (**DVT**).

DVT can occur in different veins in the body and cause pain or swelling in that area. **Upper extremity DVT** can occur in the veins in the upper part of the body - in your neck or arm veins. **Lower extremity DVT** can occur in the veins of the leg.

When a blood clot occurs in the lungs, it is called a **pulmonary embolism (PE)**. It happens when a clot in a leg vein separates and travels to the lungs. In the lungs, it becomes wedged, and can stop the blood flow. PE can be very dangerous.

The health care provider will use different tests depending on where the clot may be.



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What are the tests for blood clots?

D-dimer test

A blood test to look for a small protein piece (D-dimer) that is formed when a blood clot dissolves in your body. A positive test means you may have a blood clot.

VQ scan

Ventilation-perfusion scanning – lung scans in which a radioactive dye is injected or gas is breathed in to see how well air and blood are able to flow through your lungs

СТРА

Computed tomography pulmonary angiography - CT scan to get a picture of pulmonary arteries (that transport blood to the lungs)

Ultrasound

Compression or duplex ultrasound An ultrasound makes images to look at the blood flow in the veins in your arms and legs

Some tests may not be available at your

Some tests diagnose clots better

hospital

There are pros and cons to each test:



Some tests have side effects. A VQ scan or CTPA can expose you to small amounts of radiation.



Some tests are easier to have and take less time

Because there are pros and cons of each test, the American Society of Hematology has recommended what tests should be used and when.

The tests you have will depend on your risk of a blood clot:

Your risk of a blood clot can be low, intermediate, or high.

Your risk could be higher if you are older, had surgery recently, had a serious injury (such as breaking a bone), are taking hormones (such as birth control pills) or are male. But your health care provider will check your past health and ask you questions to decide on your risk.







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If your health care provider thinks you might have DEEP VEIN THROMBOSIS (DVT) in the upper part of the body - in the neck, or arm veins - upper extremity DVT



SPEAKING WITH YOUR HEALTH CARE PROVIDER

To understand your tests for a blood clot, you can ask about:

- the type of blood clot your health care provider thinks you might have
- whether you are at low, intermediate or high risk of the blood clot
- the tests you may have to take
- the side effects of the tests
- what will happen if you have a positive or negative test

Link to the guidelines for health care professionals:

American Society of Hematology 2018 guidelines for management of venous thromboembolism: diagnosis of venous thromboembolism

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