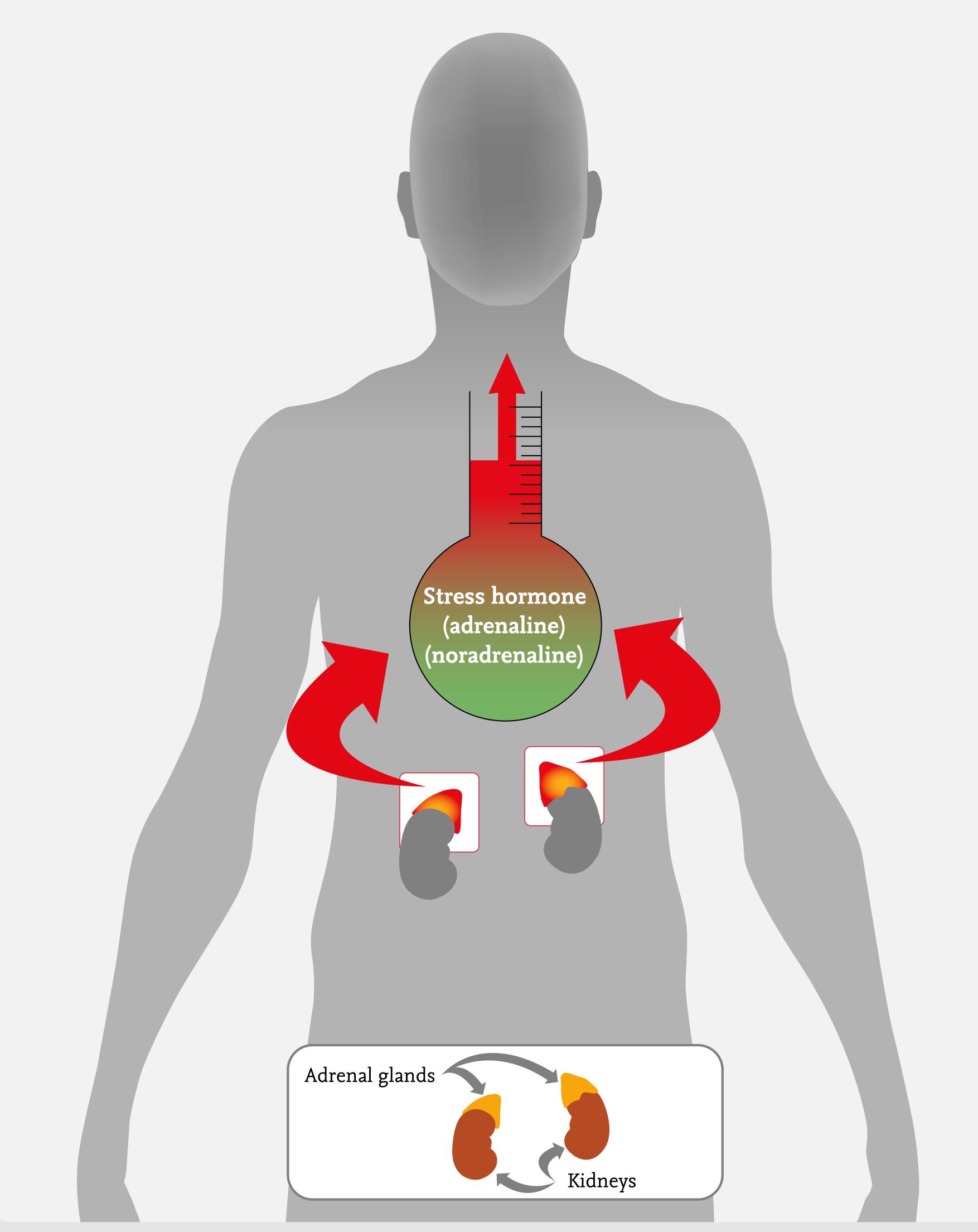


# What is pheochromocytoma?

A pheochromocytoma is a tumour of the adrenal gland tissue which produces too much stress hormone (adrenaline and noradrenaline)





## What are the consequences of pheochromocytoma?

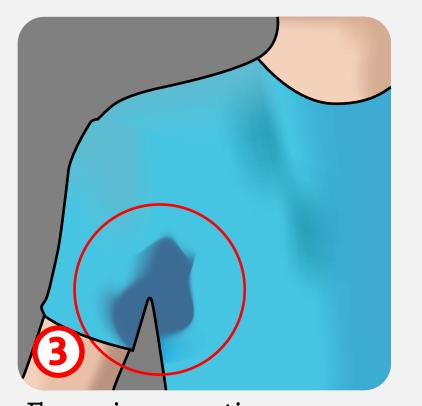
- ▶ Intermittent symptoms due to overproduction of stress hormones
- > Symptoms due to pressure of the tumour on the surrounding tissues



High blood pressure.



Headache.



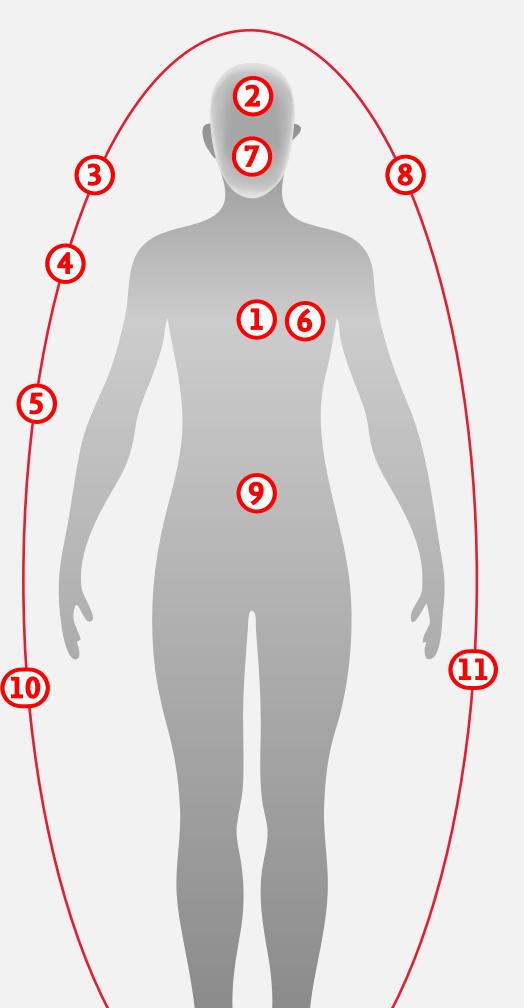
Excessive sweating.



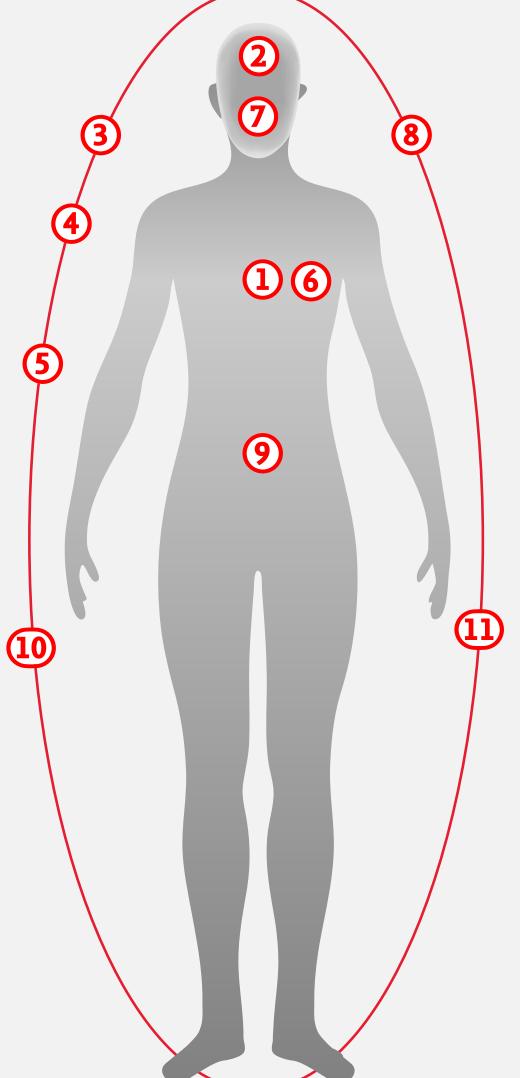
Hot flushes.



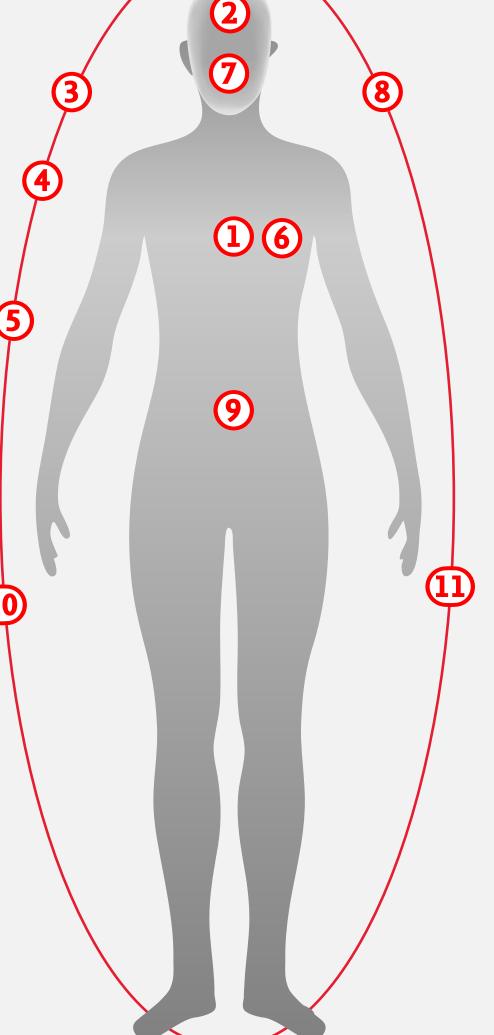
Shaking.



Paleness.



Weight loss.



Tiredness.



Heart palpitations.

Anxiety/panic.



Nausea, vomiting, abdominal pain.



### How is pheochromocytoma diagnosed? **Symptoms** Family doctor No pheochromocytoma. High blood pressure Hot flushes Family doctor carries out Heart palpitations examination and may refer Paleness the patient to a specialist on and more the basis of the symptoms. **SEE CONSEQUENCES OF PHEOCHROMOCYTOMA** Possible pheochromocytoma Hospital outpatients' clinic Internal medicine specialist Intake appointment (endocrinologist) ► review symptoms ▶ medication physical examination If pheochromocytoma is not identified, another cause of Possible tests to identify the symptoms will be looked too many stress hormones. for. If there are no particular plasma metanephrines

Possible tests after raised stress hormones are identified.

▶ 24 hour urine (nor)

metanephrines

► Imaging examination to examine the tumour site

observations, a referral back to the family doctor will follow.

Raised stress hormones. Further examination of the tumour site

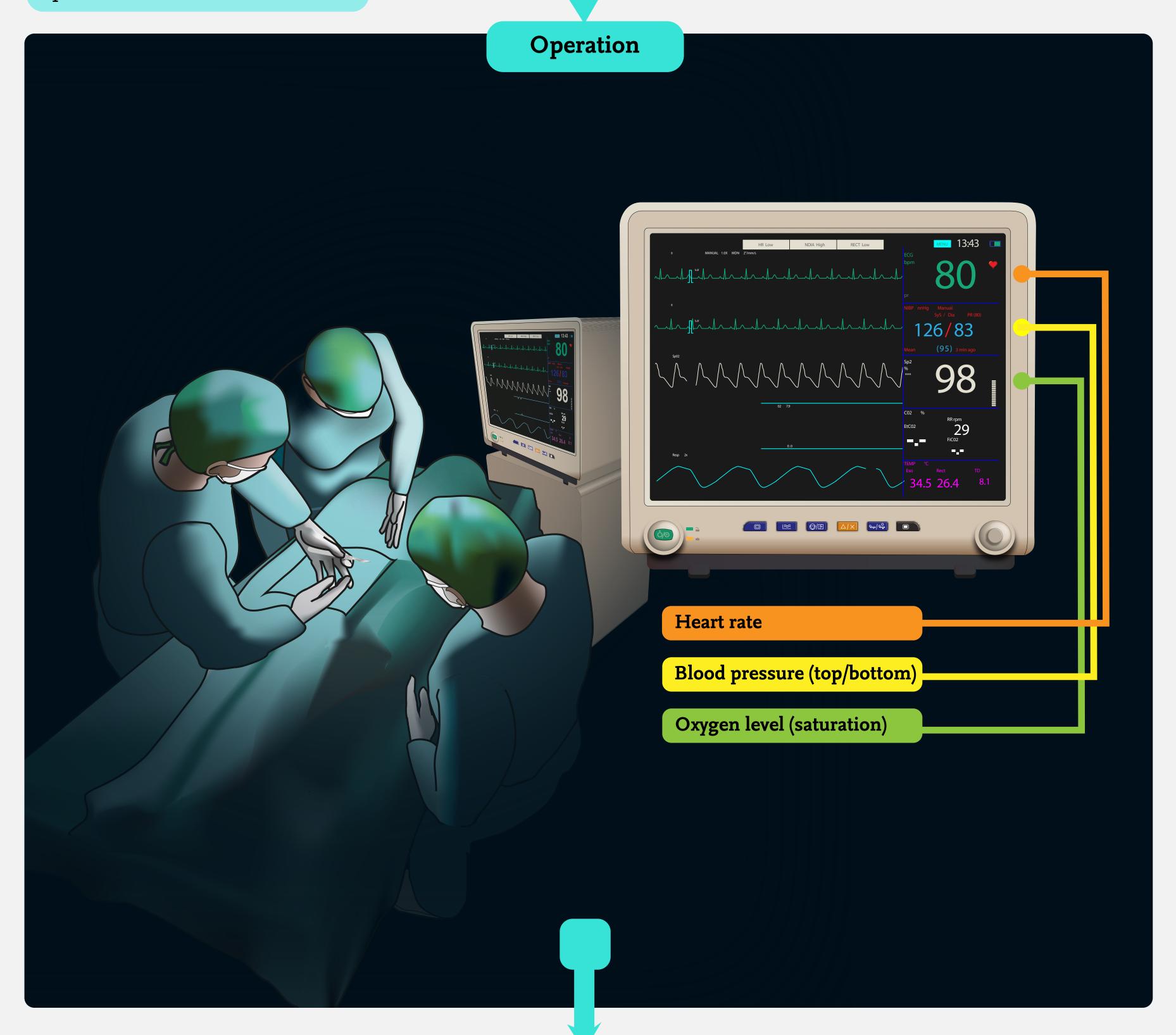
**Treatment** 



## How is pheochromocytoma treated?

Prevention of high blood pressure or blood pressure fluctuations during the operation.

Preparation for the operation with blood pressure lowering medication. Extra salt intake. Shortly before the operation, saline solution via a drip in the arm.



### **Check stress hormones**

- plasma metanephrines
- ▶ 24 hour urine (nor)metanephrines

Annual check-up in outpatients' clinic