

## Cardiology

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### Information and patient consent form

## Renal denervation for the treatment of uncontrolled hypertension

Dear patient,

Your doctor has determined

that your blood pressure cannot be reduced to the desired target range even after administration of the appropriate medication. He therefore referred you for invasive therapy, the aim of which is to interrupt the pathway of sympathetic nerves leading to the kidney by passing weak radiofrequency energy through the wall of the blood vessels of the kidney (renal arteries). These nerve fibers that surround the renal arteries in reticulate fashion seem to play an important role in the development of high blood pressure in some patients. Studies have shown that there is legitimate hope in bringing the blood pressure down to the target range through the interruption of the nerve fibers ("renal denervation") of both renal arteries along with administration of drugs.

### Operation procedure

The operation is performed under sedative and analgesic drugs in a light sleep. After local anesthesia of the right groin, a catheter is guided to the renal artery through the leg artery. Here, radiofrequency energy is emitted in each renal artery approx. 5x for 2 min.

During the emission of energy, a dull ache may occur in the abdomen and back. This is, however, very well tolerated with the previously given pain medications.

The procedure or examination is performed under X-ray radiation. Consequently there is a certain radiation exposure, that however is kept as low as possible. Based on general considerations, in case of pregnancy this kind of examination should only be performed in emergency cases.

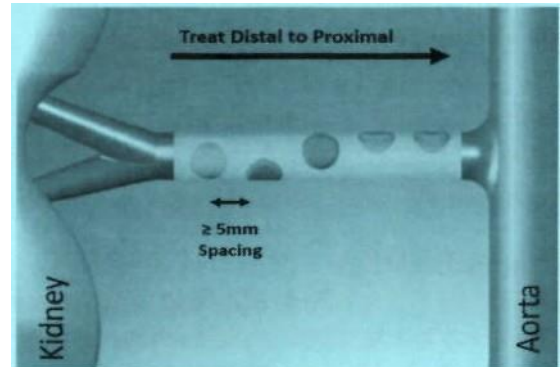
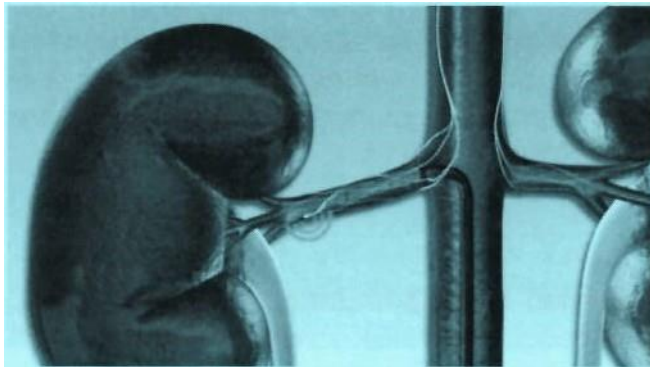
### Potential complications:

Complications are extremely rare in this procedure. In previously existing clinical studies, injury of the arterial wall occurred in a few cases at the time of exploration of the renal artery, which could be treated successfully during the same procedure. The resulting permanent damage to the kidneys or the loss of renal function have not been observed yet. More serious complications such as severe allergies or renal dysfunctions caused by the used drugs used are also very rare. Haematomas or hemorrhages at the injection site in the groin are observed more often, but are still very rare, which may require further treatment.

## Follow-up checks

The follow-ups can be done by the referring physician. These include the long-term blood pressure measurement and the adjustment of antihypertensive drug treatment.

## Space for a sketch / personal notes:



## Please contact us,

if you do not understand something or if something seems to be important that was not mentioned in this document or in the personal consultation with your doctor.

## Declaration of consent

Dr. med. ....

held an informed consent discussion with me. I have understood the information provided to me and could make all the pertinent questions. After sufficient time to think and answering of all my questions I hereby declare myself ready for the proposed therapy. I express my consent for any follow-up procedures that may become necessary.

Signature of patient: \_\_\_\_\_

Signature of doctor: \_\_\_\_\_

Place and date: \_\_\_\_\_

**Consent to data collection and evaluation**

I agree with the collection and analysis of scientific data of my treatment in an encrypted, electronic form. If necessary, the traceability of data for quality assurance is ensured. We assure you with an unrestricted right of access to inspect the data archived about you.

Signature of patient: .....

Place and date: .....