

WHAT CAUSES HYPERTENSION?

Blood pressure is controlled by a complex interaction of signaling from several systems within the body including the nervous system, circulatory system, and endocrine (hormonal) systems. Increased activity of the sympathetic nervous system (“fight or flight” system) can affect the blood vessels and the hormonal system resulting in elevated blood pressure (hypertension). The nerves running to the kidney are especially important in the control of blood pressure.

IS THERE A TREATMENT?

Sometimes people can keep blood pressure in a healthy range simply by making lifestyle changes, such as losing weight, increasing activity and eating more healthfully. Others will need to add medications to their lifestyle modifications. A wide variety of medications are available for treating high blood pressure – and several are often used together to achieve results. For some people, even with lifestyle changes and medications, it may be difficult to control high blood pressure. Recently, new technologies have been developed that aim to decrease the over-activity of the sympathetic nervous system to lower blood pressure.



AM I A CANDIDATE FOR THE STUDY?

Are you between 18 and 75 years of age and...

- Is your blood pressure greater than 140/90 mmHg despite being prescribed blood pressure medication? or,
- Is your blood pressure controlled (less than 140/90 mmHg) by one or two blood pressure medications but you would be interested in trying an alternative to medication? or,
- Have you been diagnosed with high blood pressure but do not want to start taking medication?

IF YOU ANSWERED, “YES”, TO ANY OF THESE QUESTIONS, YOU MAY BE ELIGIBLE TO PARTICIPATE IN THE RADIANCE-HTN CLINICAL STUDY.

FOR MORE INFORMATION CONTACT:

ReCor Medical

Ultrasound Denervation Therapies

www.recormedical.com

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CLN 0009 Rev A



If you have Hypertension,
you are **not alone**.

LEARN ABOUT A CLINICAL STUDY
FOR THE POTENTIAL TREATMENT
OF HIGH BLOOD PRESSURE.

THE **RADIANCE HTN** STUDY
A Study of the ReCor Medical Paradise® System in Clinical Hypertension

ReCor Medical
Ultrasound Denervation Therapies

CAUTION: The ReCor Medical Paradise® Ultrasound System for Renal Denervation is investigational in the USA and is limited by Federal (or United States) law to investigational use. The ReCor Medical Paradise Ultrasound System for Renal Denervation is approved for commercial use in the EU.

HYPERTENSION (HIGH BLOOD PRESSURE)

Worldwide there are over 1 billion people with hypertension, and this number is expected to grow to 1.5 billion in a few years.¹

Hypertension is important for many reasons, but the most important reason is that hypertension has been shown to increase the risk of heart disease, kidney disease, vascular disease and stroke.

WHAT IS HYPERTENSION?

Blood pressure is the force of blood against your artery walls as it circulates through your body. Blood pressure naturally rises and falls throughout the day, but it can cause problems if it stays too high for a long time.

The medical term for high blood pressure is hypertension – it is sometimes referred to as “the silent killer” because frequently people don’t even know they have it. High blood pressure can have no symptoms or warning signs. High blood pressure generally develops over years. Hypertension is more common as people age. Your diet, including excessive alcohol intake and smoking, as well as being overweight, can contribute to the development of hypertension.

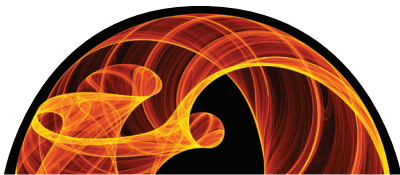
¹ World Health Organization Report: A global brief on hypertension – silent killer, global public health crisis.

THE PARADISE® RENAL DENERVATION SYSTEM

The Paradise Renal Denervation System is a minimally invasive procedure to treat overactive nerves leading to the kidney. A small incision is made in the groin. A small flexible catheter is inserted, and then placed in the artery supplying the kidney. Ultrasound energy (sound waves) is delivered to the tissue surrounding the artery for several seconds. The ultrasound energy generates heat to decrease the over-activity of the nerves leading to the kidney. Both kidneys are treated. Following treatment, the device is removed.

THE RADIANCE HTN CLINICAL STUDY

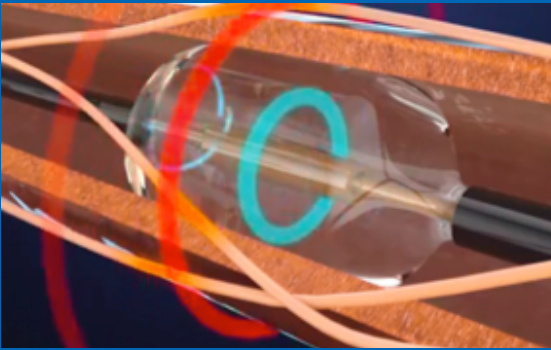
The RADIANCE-HTN Clinical study is a randomized, controlled study to provide additional information about the Paradise Renal Denervation System intended to treat high blood pressure. The study is designed to evaluate the Paradise Renal Denervation System both in patients currently uncontrolled on three or more blood pressure medications (termed “resistant hypertension”) and in participants taking two or fewer blood pressure medications to manage their blood pressure. In the study, half of the participants will receive the ultrasound therapy and half of the patients will receive a “sham” therapy (no ultrasound treatment). Participants will not be told which group they are in. Participants receiving the “sham” procedure may have the opportunity to have the therapy at a later time.



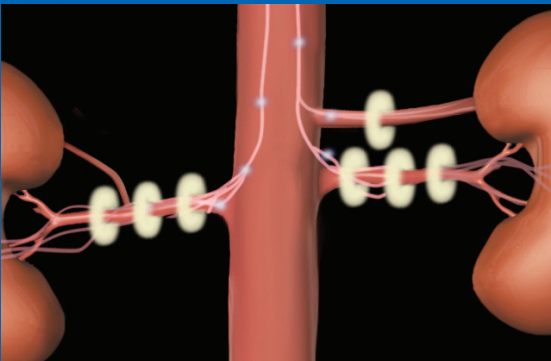
THE RADIANCE HTN STUDY

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The Paradise Renal Denervation Catheter within the artery. The red circle represents the heat generated from the ultrasound energy within the artery. The blue circle represents active cooling from circulating water within the Paradise Catheter to protect the artery from heat.



The opaque rings illustrate the heat deposited in the tissue, to decrease the over-activity of the nerves leading to the kidney. Each ring represents one 7-second treatment. Two to four treatments will be delivered to the left and right arteries supplying the kidney.

Clinical studies with the Paradise Renal Denervation System have indicated that the therapy may be effective in reducing blood pressure in patients with Resistant Hypertension^{2,3}.

² Mabin T. et al First Experience with Endovascular Ultrasound Renal Denervation for the Treatment of Resistant Hypertension. *Eurointervention* 2012;8:57-61.

³ Daemen J. and Van Mieghem N. First-in-man Radial Access Renal Denervation with the ReCor RADIANCE Catheter. *Eurointervention* 2014;10: 1209-12.