



NEPHROSPEC™

For the treatment of
Hypertension and Chronic Kidney Disease
REDUCING The Need for MEDICATION
and POSTPONING DIALYSIS!

Nephrospec is a low-intensity extracorporeal shockwave therapy (Li-ESWT) system offering an innovative, safe, non-invasive and painless treatment, reducing the need for medication & Dialysis.



- Reduces Blood pressure and enhances renal function**
- Reduces the need for medication**
- Non-invasive and painless treatment requiring no anesthesia
- A Safe Ambulatory procedure (No Hospitalization)
- NO Radiation (no X-ray)
- Compact design and enhanced mobility
- Easily performed in clinics and offices

BACKGROUND

Atherosclerotic renal artery stenosis (ARAS) remains the leading cause of several renovascular diseases such as Chronic Kidney Disease. ARAS causes hypertension, loss of renal function, and cardiovascular complications.

Treatment by means of percutaneous transluminal renal artery stenting (PTRAS) is disappointing in preserving renal function and preventing cardiovascular events. Microvascular remodeling (rarefaction) is an important pathologic alteration in the stenotic kidney.

PTRAS cannot repair the pre-existed intrarenal damage.

RDN (Renal Denervation) reduces BP but does not treat the kidney

CLINICAL CONCLUSIONS

- Li-ESWT induces upregulation of angiogenic factors and promotes Intrarenal Angiogenesis
- Li-ESWT reduces blood pressure
- Li-ESWT improves the kidney oxygenation and preserves renal function
- Li-ESWT leads to restoration of the renal microcirculation and perfusion
- Li-ESWT reduced oxidative and fibrotic damage**

No signs of renal damage were detected in SW-treated kidneys!

COMPACT, MOBILE & COST EFFECTIVE

Nephrospec is the descendant of a line of superior, non-invasive, deep penetration ShockWave Therapy systems, ensuring a high success rate within a relatively short time frame. It is compact and mobile, making it easy to use, store and move.



** Based on pre-clinical studies (Lerman 2021) and on preliminary results from the currently conducted clinical study at SZMC



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