



ESH GUIDELINES OFFICIALLY RECOMMEND:

# Renal Denervation as therapy option to treat hypertension!



The Task Force for the management of arterial hypertension of the European Society of Hypertension (ESH) endorsed by the European Renal Association (ERA) and the International Society of Hypertension (ISH) recently published their guidelines and declared renal denervation (RDN) as third therapy option to treat hypertension.









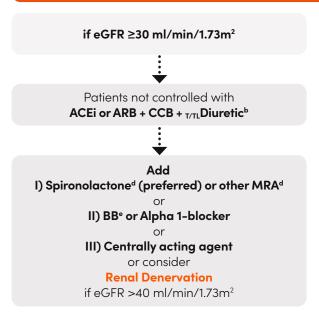


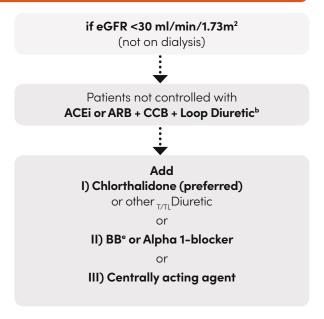
3 Paradise™ Ultrasound uRDN treatment

## Highlights from the ESH Guidelines:1

- European society has formally recommended RDN (class II)
- Resistant and uncontrolled hypertension
  - Uncontrolled HTN despite combination drug therapy or where drugs are poorly tolerated
  - Resistant HTN despite the concurrent use of 3 antihypertensive drugs
- Guidelines state the same level of evidence for renal denervation and spironolactone

### Blood Pressure lowering therapy in true resistant hypertension<sup>a</sup>





Recommendations and statements for the use of renal denervation <sup>1</sup>	CoR*	LoE**
RDN can be considered as a treatment option in patients who have <b>uncontrolled Blood Pressure (BP)</b> despite the use of antihypertensive drug combination therapy, or if drug treatment elicits serious side effects and poor quality of life. ***	II	В
RDN can be considered as an additional treatment option in patients with <b>resistant</b> hypertension ***	II	В
Selection of patients to whom RDN is offered should be done in a <b>shared decision-making process</b> after objective and complete patient's information.	I	С
Renal denervation should only be performed in <b>experienced specialized centers</b> to guarantee appropriate selection of eligible patients and completeness of the denervation procedure.	ı	С

<sup>\*</sup>CoR = Class of Recommendation \*\*LoE = Level of Evidence \*\*\*eGFR >40 ml/min/1.73m²

# Global consensus on patient selection for RDN

Patient Selection	ESH 2023 <sup>1</sup>	ESC 2023 <sup>2</sup>	NL 2022³	SCAI/NKF 2021⁴	Spain 2021⁵	Italy 2020 <sup>6</sup>
Controlled hypertension						
Uncontrolled hypertension*	•			•	•	•
Resistant hypertension	•	•	•	•	•	•
Intolerant to drugs	•	•	•	•	•	•
Non-adherent to drugs		•		•	•	•
High CV risk / severe EOD		•		•	•	•

# Learn more about

The Paradise™ Ultrasound Renal Denervation System

Recormedical.eu





RECOR MEDICAL / OTSUKA MEDICAL DEVICES EUROPE GMBH

Europa-Allee 52 60207 Frankfurt am Main, Germany **FOLLOW RECOR MEDICAL ON** 







- 1. Mancia et al. Journal of Hypertension 2023, 41:1874-2017 2. Barbato E, et al. European Heart Journal (2023) 00, 1-18, 3, Zeijen, et al. Neth Heart J (2022) 31, pages3-11 (2023), 10 (2023) 10 (2023) 11 (2023) 12 (2023) 12 (2023) 13 (2023) 13 (2023) 14 (2023) 15 (2
- 4. Kandzari et al. Catheter Cadiovasc Interv. 2021 Sep;98(3):416-426., 5. Rodriguez et al. REC Interv Cardiol. 2022;4:39-46Ï4.,
- 6. Bruno et al. High Blood Press Cardiovasc Previi 2020 Apr;27(2):109-117.