# Medtronic

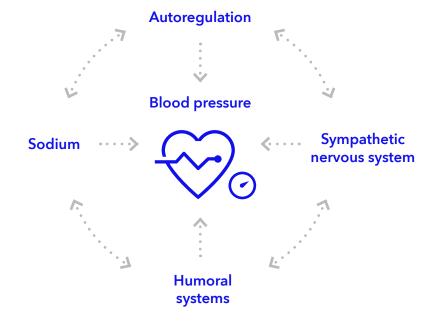
SUPRA HFR Aequilibrium

The power of osmotic balance biofeedback



# Facing the challenges

The dialytic population continues to increase in age and number of comorbid conditions. The current incidence **of intradialytic hypotension (IDH)** is high, affecting up to 30% of sessions, like the incidence of other disequilibrium symptoms triggering patient's discomfort.<sup>1</sup>

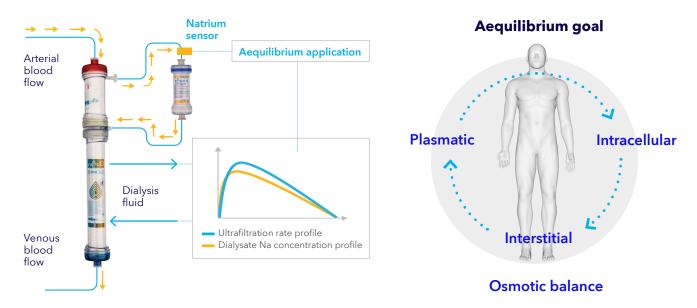


#### The need

A therapeutic solution that is physiological and biocompatible, aimed to preserving osmotic balance and protecting patients from discomfort.

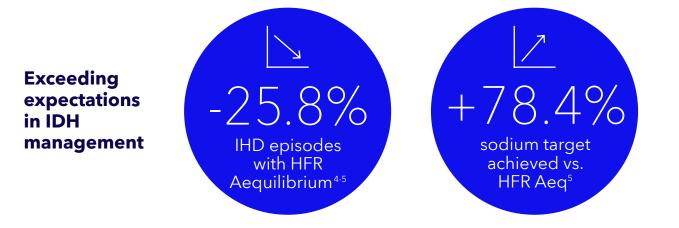
### Our solution: Personalized hemodynamic balance for patients

The SUPRA HFR therapy Aequilibrium configuration combines the SUPRA HFR therapy with a Natrium sensor. This treatment measures the patient's plasma sodium concentration and uses the Aequilibrium Advanced biofeedback to maintain the osmolar balance throughout the treatment.<sup>1,3</sup>



#### **Preventive biofeedback system**

SUPRA HFR therapy aequilibrium configuration is an evolution of the HFR Therapy Aequilibrium configuration. It combines a **tailored ultrafiltration rate profile with the dynamic run-time sodium profile** adjustment of Aequilibrium Advanced application. This enables prescribed targets of final plasma sodium concentration and final weight loss in the treated patients.<sup>2-3</sup>



# **Consider SUPRA HFR Aequilibrium for your hypotension prone patients**

These conditions have been improved with the use of HFR therapy Aequilibrium configuration. They are attributable to the effects of Aequilibrium Advanced application combined to Natrium sensor, that are in common to both HFR Aequilibrium and SUPRA HFR therapy Aequilibrium configurations.

- Coli L, La Manna G, Comai G, et al. Automatic adaptive system dialysis for hemodialysis-associated hypotension and intolerance: a noncontrolled multicenter trial. Am J Kidney Dis. 2011;58(1):93-100.
- Ursino M, Colí L, Magosso E, et al. A mathematical model for the prediction of solute kinetics, osmolarity and fluid volume changes during hemodiafiltration with on-line regeneration of ultrafiltrate (HFR). Int J Artif Organs. 2006;29(11):1031-1041.
- Donati G, Ursino M, Spazzoli A, et al. Sodium prescription in the prevention of intradialytic hypotension: new insights into an old concept. *Blood Purif*. 2018;45(1-3):61-70.
- 4. Locatelli F, Stefoni S, Petitclerc T, et al. Effect of a plasma sodium biofeedback system applied to HFR on the intradialytic cardiovascular stability: results from a randomized controlled study. Nephrol Dial Transplant. 2012;27(10):3935-3942.
- Livon M, Apuzzo D, Bari F, et al. Efficacy And Safety of SUPRA HFR AEQUILIBRIUM. G Ital Nefrol. Book of abstract. 2022;S79(39):137-138.

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Via Camurana, 1 - 41037 Mirandola (MO) Italy Tel: +39 0535 29111 **www.bellco.net**  Important: SUPRA HFR Aequilibrium therapy is provided through procedure packs. Please refer to their Instruction for Use for the available instruction, contraindications, warnings and precautions.

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