



A Better Way To Treat Fluid Overload.



The Aquadex FlexFlow™ removes excess salt and water from patients with fluid overload - **safely, predictably and effectively.**

Compare The Difference - Potential Results in 24 Hours:

	Water	Salt	Results
Aquadex Flex Flow	6+ Liters ¹	12 Grams ²	At 90 days: ³ 50% Re-hospitalization episodes 63% Total re-hospitalized days
Standard Care	1 Liter	1 Gram ²	At Discharge: ^{4, 5} 40% patients still symptomatic 20% patients re-admitted at 30 days or less 48% weight gain or less than 5 lbs loss

ACC/AHA Guidelines Recommend:

4.4.1: In general, patients should not be discharged from the hospital until a stable and effective diuretic regimen is established, and ideally, **not until euvoemia is achieved.**

Patients who are sent home before these goals are reached are at **high risk of recurrence of fluid retention and early readmission** because unresolved edema may itself attenuate the response to diuretics.

Aquadex FlexFlow Summary:

Treatment Detail	Average or Typical Value
Patient Selection	<ul style="list-style-type: none"> • ≥ 5 lbs over dry weight, • within 12 hours of hospitalization, • before any significant administration of IV diuretics and/or vasoactive drugs
Fluid Removal Rate (UF Rate)	250 ml/hour (= 6 liters in 24 hours)
Blood Flow Rate (Blood Flow)	30 to 40 ml/min
Treatment Time	20 hours
Anticoagulation	2 times normal
Venous Access	Peripheral or Central
Salt Removal	3,200 mg/Liter (diuretics < 1,600 mg/Liter)



Clinical Evidence:

UNLOAD Study:

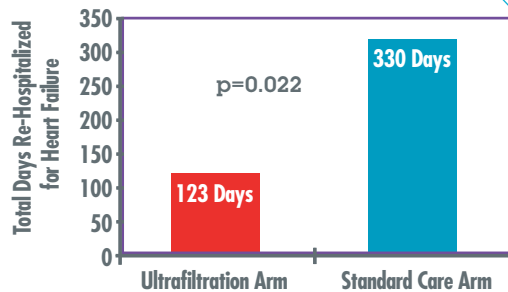
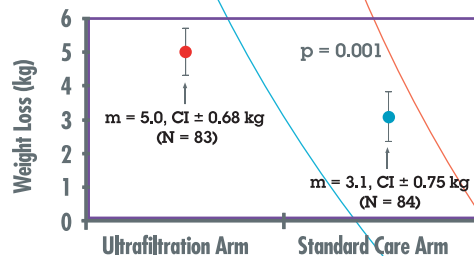
The UNLOAD study was a randomized, multicenter study of 200 patients involving 28 hospitals and medical centers across the United States. UNLOAD compared the short and long-term safety and efficacy of Aquapheresis Therapy to the use of conventional diuretic drug therapy in fluid overloaded heart failure patients.

At 48 hours into treatment, the ultrafiltration group demonstrated over standard care a:

- 38 % greater weight loss
- 28 % greater net fluid loss
- Equal improvement in dyspnea score

At 90 days following hospital discharge, the ultrafiltration group demonstrated over standard care a:

- 50% reduction in the total number of re-hospitalizations for heart failure
- 63% reduction in days re-hospitalized for heart failure.
- 43% reduction in patients requiring re-hospitalization for heart failure
- 52% reduction in emergency department or clinic visits

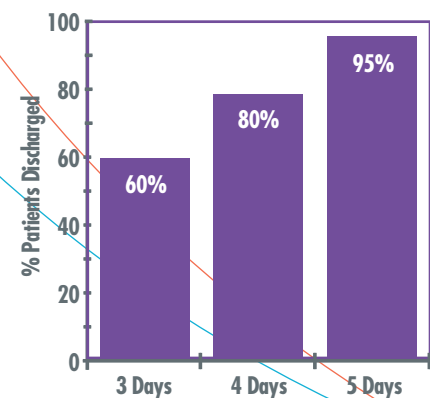


EUPHORIA Study:

EUPHORIA was a single center, prospective study of 20 patients utilizing Aquapheresis Therapy within 12 hours of admission. This resulted in an effective and safe decrease in length of stay and readmissions. Clinical benefits persist at 3 months after treatment.

- 60% of patients were discharged in ≤ 3 days
- Average hospitalization was 3.7 ± 1.8 days
- Average fluid removal was 8.6 liters

% of EUPHORIA Patients Discharged by Day



For complete UNLOAD study details and results, visit www.unloadstudy.com

1. Assumes an average removal rate of 250 mL/hour for 24 hours. The maximum removal rate is 500 mL/hour.

2. <http://www.nephron.com/cgi-bin/SL.cgi>

3. Costanzo et. al. J Am Coll Cardiol 2007;49:675-683

4. Adhere National Benchmark Report Data October 2001 to December 2004

5. Jong P et al. Arch Intern Med. 2002;162:1689

6. Hunt et. al. Management of Fluid Status, ACC/AHA Guidelines for the Evaluation and Management of Chronic Heart Failure in the Adult, © 2001 by the American College of Cardiology and the American Heart Association, Inc.

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The Aquadex System is indicated for temporary (up to 8 hours) ultrafiltration treatment of patients with fluid overload who have failed diuretic therapy; and extended (longer than 8 hours) ultrafiltration treatment of patients with fluid overload who have failed diuretic therapy and require hospitalization. All treatments must be administered by a healthcare provider, under physician prescription, both of whom having received training in extracorporeal therapies.

For more information, visit www.chfsolutions.com

Clinical and Technical assistance and service are available 24 hours.

Call CHF Solutions at 866-709-4030.