In-Hospital ReDS guided Management

Noninvasive Assessment of Lung Fluid to Reduce Rate of Readmissions

Goal: to reduce 30-day all-cause readmissions

Design: In-hospital ReDS guided management

- **Sample size of 416 patients**
  - **ReDS - 220, Historical control - 196**
- **ReDS measurements**
  - **with 24h of admission, on day 3 & with 24h of discharge**

Variable		Control	ReDS™	p-value
Age		76.5 (28.0, 98.0)	79.0 (32.0, 98.0)	0.072
Race	Black	94 (48.2)	102 (46.4)	0.871
	White	93 (47.7)	107 (48.6)	
	Other	8 (4.1)	11 (5.0)	
Sex	F	99 (50.5)	126 (57.3)	0.199
	M	97 (49.5)	94 (42.7)	
BMI		28.1 (15.0, 62.5)	28.1 (16.6, 59.1)	0.978
Diabetes	No	113 (57.7)	130 (59.1)	0.844
	Yes	83 (42.3)	90 (40.9)	
Hypertension	No	32 (16.3)	17 (7.7)	0.01
	Yes	164 (83.7)	203 (92.3)	
Vascular Disease	No	96 (49.0)	105 (47.7)	0.875
	Yes	100 (51.0)	115 (52.3)	
EF	Preserved	110 (56.1)	127 (57.7)	0.817
	Reduced	86 (43.9)	93 (42.3)	

30-day all-cause readmission rate

34.4% reduction
P = 0.029

Opsha et al. J Card Fail. 2019;25:S147-8