

Table 3: Independent variables predictive of fluid overload. Risk factors found significant in the single factor analysis were analysed with multiple regression analysis and overhydration was found to be affected most by ECW/BSA (extracellular water/body surface area).

Variables	Univariate		Multivariate	
	OR (95% CI)	p	OR (95% CI)	p
Sex	4.672 (1.697-12.863)	0.003		
BMI	1.253 (1.109-1.412)	<0.001		
Pre-HD SBP	1.116 (1.068-1.166)	<0.001	1.156 (1.079-1.238)	<0.001
Pre-HD DBP	1.239 (1.137-1.350)	<0.001		
CRP	1.195 (1.010-1.428)	0.015	1.576 (1.099-2.260)	0.023
Lean tissue	1.059 (1.021-1.098)	0.002		
Fat tissue	0.914 (0.871-0.960)	<0.001		
ECW/TBW	1.094 (1.013-1.183)	0.023		
ECW/Height	1.778 (1.318-2.398)	<0.001		
ECW/BSA	2.990 (1.747-5.119)	<0.001	3.766 (1.879-7.548)	<0.001
LTI	1.127 (1.025-1.240)	0.014	1.110 (1.020-1.180)	0.021
FTI	0.827 (0.744-0.919)	<0.001		

BMI: body mass index, Pre-HD: pre- hemodialysis, SBP: systolic blood pressure, DBP: diastolic blood pressure, CRP: C-reactive protein, ECW: extracellular water, TBW:total body water, BSA:body surface area, LTI: lean tissue index, FTI: fat tissue index, OR: odds ratio, CI: confidence interval.