

P1491 **INTRADIALYTIC HYPOTENSION AND PROGNOSIS IN HEMODIALYSIS PATIENTS**

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Background and Aims: The aim of this study was to investigate the prognostic impact of intradialytic hypotension (IDH).

Method: This study comprised 237 hemodialysis patients (158 males, 64±13 years old, dialysis vintage: 110±88 months) in a community-based dialysis center. IDH was recorded in 12 consecutive hemodialysis sessions from February to April in 2014. The patients were divided into 2 groups: Group A, patients with IDH, and Group B, those without IDH, and all-cause mortality rates for 4 years were examined. IDH was defined as a rapid symptomatic fall of systolic blood pressure by at least 30 mmHg or that required medical intervention. Logistic regression was used to investigate the association between IDH and mortality.

Results: IDH was observed in 123 patients (52 %). The frequency of IDH was 3.8±3.1 times during 12 hemodialysis sessions in Group A. Mortality rates from all causes of death were significantly higher in Group A than in Group B (40 % and 17 % at 4 years, respectively, $p < 0.05$). Univariate analysis showed that IDH, age, female, dry weight, ultrafiltration rate (UFR), serum albumin level, and serum hemoglobin level were significantly associated with all-cause mortality. In multivariate analysis, IDH, age, UFR, and serum hemoglobin level were independent risk factors for all-cause mortality (Table).

Conclusion: In our population, IDH was associated with a poor prognosis at 4 years.

Table. Risk factors for all-cause mortality

	Univariate			Multivariate		
	OR	95%CI	P value	OR	95%CI	P
value						
IDH	3.29	1.80-5.99	<0.01	4.16	1.89-9.16	<0.01
Age (year)	1.08	1.04-1.11	<0.01	1.04	1.00-1.08	0.05
Male	0.42	0.23-0.75	<0.01	1.06	0.46-2.43	0.89
Dialysis Vintage (year)	0.99	1.00-1.01	0.15			
Ischemic Heart Disease	1.53	0.74-3.17	0.25			
History of Stroke	1.46	0.71-3.01	0.30			
Dry Weight (kg)	0.94	0.91-0.97	<0.01	0.96	0.92-1.00	0.08
Ultrafiltration Rate (kg/h)	0.08	0.022-0.32	<0.01	0.11	0.012-0.78	0.03
Predialysis Systolic Blood Pressure (mmHg)	1.00	0.98-1.01	0.51			
Albumin (g/dL)	0.13	0.053-0.32	<0.01	0.56	0.18-1.69	0.30
Hemoglobin (g/dL)	0.61	0.42-0.90	0.01	0.62	0.39-0.99	0.04
Phosphate (mg/dL)	0.83	0.66-1.06	0.13			