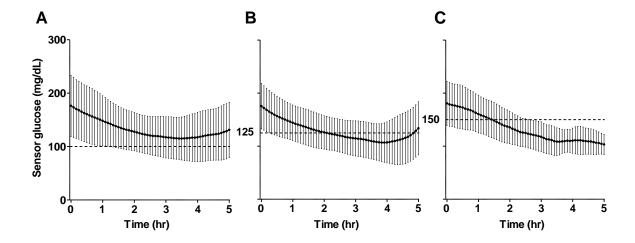
1	Hemodialysis-related Glycemic Disarrays Proven by Continuous Glucose Monitoring; Glycemic
2	markers and Hypoglycemia.
3	
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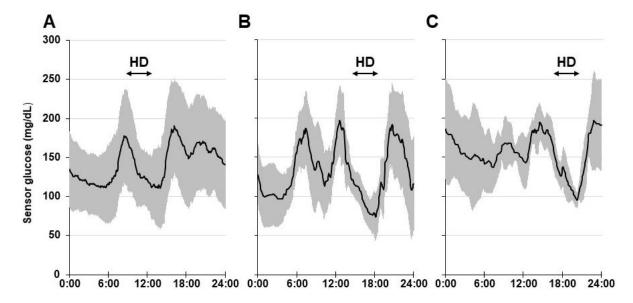
1 List of Principal Investigators.

Akinori Hayashi	-Department of Laboratory Medicine, Kitasato						
	University School of Medicine						
	-Department of Endocrinology, Diabetes and						
	Metabolism, Kitasato University School of						
	Medicine						
Naoya Shimizu	-Department of Endocrinology, Diabetes and						
•	Metabolism, Kitasato University School of						
	Medicine						
Agena Suzuki	-Department of Endocrinology, Diabetes and						
	Metabolism, Kitasato University School of						
	Medicine						
Kenta Matoba	-Department of Endocrinology, Diabetes and						
	Metabolism, Kitasato University School of						
	Medicine						
Akari Momozono	-Department of Endocrinology, Diabetes and						
	Metabolism, Kitasato University School of						
	Medicine						
Tsuguto Masaki	-Department of Endocrinology, Diabetes and						
	Metabolism, Kitasato University School of						
	Medicine						
Akifumi Ogawa	-Department of Endocrinology, Diabetes and						
	Metabolism, Kitasato University School of						
	Medicine						
Ibuki Moriguchi	-Sohbudai Nieren Clinic						
Koji Takano	-Department of Endocrinology, Diabetes and						
	Metabolism, Kitasato University School of						
	Medicine						
Naoyuki Kobayashi	-Sohbudai Nieren Clinic						
Masayoshi Shichiri	-Department of Endocrinology, Diabetes and						
	Metabolism, Kitasato University School of						
	Medicine						

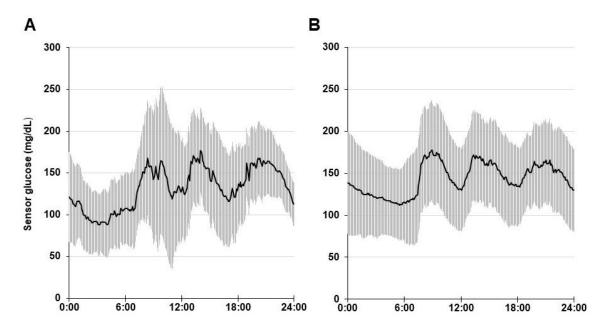
Supplementary Figure S1. Time-resolved glucose monitoring during the 5 hours following the start of HD in groups that used dialysates with different glucose concentrations. Mean \pm SD sensor glucose levels during and immediately after HD, using dialysate solutions containing 100 mg/dL (A), 125 mg/dL (B), or 150 mg/dL (C) glucose. All the patients underwent HD for 4 h and ate within 0.5–1 h of the end of HD.



- 1 **Supplementary Figure S2.** Difference of glycemic profiles on HD day among patients undergoing HD in
- 2 the morning, the afternoon and night. Mean \pm SD sensor glucose levels over 24-h on an HD day in 82 patients
- 3 undergoing HD in the morning (A) and in 11 in the afternoon (B) and 5 in night.



- Supplementary Figure S3. Mean \pm SD sensor glucose levels over 24-h on non-HD day in 21 patients who
- 2 showed HD-related hypoglycemia (A) and in 77 participants who did not (B).



Supplement Table S1. Univariate and multivariate correlation analysis for 48-h glycemic profile markers.

		Univariate		Multivariate				
Factors	Parameters	R	P	\mathbf{r}^2	β	F	P	
Mean SGL (mg/dL)	Sex, male/female	0.003	0.9784					
	Age (years)	-0.02	0.8310					
	Body mass index	0.17	0.1025					
	Duration of diabetes (years)*	0.23	0.0235	0.57	-0.02	0.11	0.7374	
	Duration of hemodialysis (months)*	-0.0006	0.9955					
	HbA1c (%)	0.69	< 0.0001	0.48	1.49	30.26	< 0.0001	
	GA (%)	0.53	< 0.0001	0.57	-1.37	9.11	0.0033	
	GA/HbA1c ratio	0.20	0.0435	0.53	1.34	12.61	0.0006	
	Casual CPR (ng/mL)*	-0.10	0.4105					
SD of SGL (mg/dL)	Sex, male/female	0.09	0.4076					
	Age (years)	0.09	0.3744					
	Body mass index	-0.04	0.7136					
	Duration of diabetes (years)*	0.15	0.1386					
	Duration of hemodialysis (months)*	-0.07	0.5052					
	HbA1c (%)	0.51	< 0.0001	0.35	0.37	9.15	0.0032	
	GA (%)	0.53	< 0.0001	0.29	0.24	13.41	< 0.0001	
	GA/HbA1c ratio	0.29	0.0035	0.35	0.10	0.05	0.8220	
	Casual CPR (ng/mL)*	0.04	0.7222					
%CV of SGL (%)	Sex, male/female	0.12	0.2308					
	Age (years)	0.10	0.3236					
	Body mass index	-0.15	0.1545					
	Duration of diabetes (years)*	0.05	0.6597					
	Duration of hemodialysis (months)*	-0.10	0.3328					
	HbA1c (%)	0.08	0.4559					

GA (%)	0.23	0.0207	0.05	0.21	5.54	0.0207
GA/HbA1c ratio	0.20	0.0487	0.05	0.03	0.04	0.8445
Casual CPR (ng/mL)*	0.20	0.0929				

Univariate, linear regression analysis; Multivariate, stepwised multivariate analysis.

SGL, sensor glucose level; GA, glycated albumin; GA/HbA1c ratio, GA to HbA1c (%) ratio; CPR, C-peptide immunoreactivity; SD, standard deviation; %CV, coefficient of variation.