

Supplementary Appendix

This appendix has been provided by the authors to give readers additional information about their work.

Supplement to: Van den Berghe G, Wilmer A, Hermans G, et al. Intensive insulin therapy in the medical ICU. *N Engl J Med* 2006;354:449-61.

Table A. Nutritional intake, insulin dose and blood glucose control

	Intention to treat group (N=1200)			Long-stayers (in ICU 3 days) (N=767)		
	Conventional	Intensive	P- value	Conventional	Intensive	P- value
Nutrition						
Mean daily caloric intake (kcal/day) (M±SD)	1238 ± 564	1202 ± 546	0.3	1503 ± 370	1451 ± 371	0.1
Mean daily amount of nutritional protein (g/day) (M±SD)	42 ± 24	40 ± 23	0.2	53 ± 17	51 ± 16	0.03
Mean daily amount of nutritional lipids (g/day) (M±SD)	46 ± 26	44 ± 25	0.3	57 ± 19	55 ± 19	0.2
Mean daily amount of nutritional carbohydrates (g/day) (M±SD)	190 ± 86	187 ± 83	0.5	228 ± 59	221 ± 61	0.2
Insulin therapy						
Number of patients treated with insulin - No (%)	426 (70%)	580 (98%)	< 0.001	323 (84.8%)	385 (99.7%)	< 0.001
Insulin dose - IU / ICU day (Median - IQR)	10 (0-38)	59 (37-86)	< 0.001	18 (3-44)	68 (49-96)	< 0.001
Blood glucose control						
Mean morning blood glucose (mg/dl) (M±SD)	153 ± 31	111 ± 29	< 0.001	156 ± 25	108 ± 26	< 0.001
Mean morning blood glucose (mg/dl) (M±SD) when on insulin	161 ± 28	110 ± 30	< 0.001	160 ± 24	108 ± 26	< 0.001
Mean morning blood glucose (mg/dl) (M±SD) in patients with diabetes	168 ± 32	120 ± 37	< 0.001	170 ± 24	115 ± 34	< 0.001
Hypoglycemia						
Patients experiencing hypoglycemia* - No (%)	19 (3.1%)	111 (18.7%)	< 0.001	15 (3.9%)	97 (25.1%)	< 0.001
Patients experiencing 2 or more hypoglycemic events - No (%)	5 (0.8%)	23 (3.9%)	< 0.001	3 (0.8%)	22 (5.7%)	< 0.001
Level of blood glucose during hypoglycemia (mg/dl) (M±SD)	31 ± 8	32 ± 5	0.5	31 ± 8	32 ± 5	0.7