

Table 1 . Risk factors were screened by univariate analysis

	delirium group 102	non-delirium group 459	<i>p</i>
Total			
Age (year)	80.9±8.1	71.8±5.5	<0.001
Cortisol[nmol/L]	580 (420,733)	327 (210,477)	<0.001
SAA[mg/L]	87.2 (12.8,314.6)	9.5 (4.4,38.2)	<0.001
IL-6[ng/L]	26.9 (11.4,54.8)	8.7 (2.2,21.2)	<0.001
PCT[ng/L]	0.06 (0.02,0.14)	0.02 (0.01,0.03)	<0.001
Neutrophils/lymphocytes	4.28 (2.63,7.28)	3.35 (2.08,6.36)	0.015
NSE[ng/L]	10.51 (7.41,13.76)	8.53 (5.75,10.9)	<0.001
CRP[mg/L]	20.15 (3.85,46.35)	2.80 (0.90,10.30)	0.001
Duration of surgery(min)	70 (50,85)	75 (55,115)	0.006
Gender			0.063
Male	31 (30.4%)	185 (40.3%)	
Female	71 (69.6%)	274 (59.7%)	
Hypertension			0.001
YES	82 (80.4%)	292 (63.6%)	
NO	20 (19.6%)	167 (36.4%)	
Diabetes			0.002
YES	38 (37.3%)	102 (22.2%)	
NO	64 (62.7%)	357 (77.8%)	
Cardiac disease			<0.001
YES	38 (37.3%)	33 (7.2%)	
NO	64 (62.7%)	426 (92.8%)	
Education <9 years			0.015
YES	99 (97.1%)	410 (89.3%)	
NO	3 (2.9%)	49 (10.7%)	
History of alcohol			0.490
YES	12 (11.8%)	66 (14.4%)	
NO	90 (88.2%)	293 (85.6%)	
Smoking history			0.353
YES	18 (17.6%)	100 (21.8%)	
NO	84 (82.4%)	359 (78.2%)	
Liver dysfunction			0.643
YES	3 (2.9%)	10 (2.2%)	
NO	99 (97.1%)	449 (97.8%)	
Renal dysfunction			<0.001
YES	14 (13.7%)	12 (2.6%)	
NO	88 (86.3%)	447 (97.4%)	
Sleep disorders			<0.001
YES	62 (60.8%)	65 (14.2%)	
NO	40 (39.2%)	394 (85.8%)	
Mode of anesthesia			0.730
General anesthesia	30 (29.4%)	143 (31.2%)	
Intraspinal anesthesia	72 (70.6%)	316 (68.8%)	
Type of surgery			0.015
Hip replacement	30 (29.4%)	154 (33.6%)	
Knee replacement	8 (7.8%)	80 (17.4%)	
Peripheral hip fracture surgery	64 (62.7%)	225 (49.0%)	

Values are presented as mean (SD) ,median(1Q,3Q) or number (%). CRP, C-reactive protein; NSE, neuron specific enolase;

PCT, procalcitonin; SAA, Serum amyloid A; IL-6, interleukin 6