

Table 1b. Univariate analysis for insufficient time sessions.

	<i>n</i>	<i>Insufficient time session n (%)</i>	<i>odds ratio</i>	<i>P</i>
Venous access				
Jugular vein	276	43 (15.6)	reference	---
Other access	147	15 (10.2)	0.62 (0.33–1.15)	0.129
Temporary catheter				
no	65	7 (10.8)	reference	---
yes	357	51 (14.3)	1.38 (0.59–3.19)	0.451
INR ⁺	247	42 (17.0)	0.86 (0.37–1.99)	0.730
Platelets (cell/mm ³)				
100,000–450,000	295	40 (13.6)	reference	---
<50,000	72	4 (5.6)	0.37 (0.13–1.08)	0.070
>450,000	52	12 (23.1)	1.91 (0.92–3.95)	0.080
Ionized calcium (mmol/L)				
1.16–1.32	146	23 (15.8)	reference	---
< 1.16	95	9 (9.5)	0.56 (0.25–1.27)	0.165
> 1.32	100	12 (12.0)	0.73 (0.34 – 1.54)	0.409
Liver failure				
no	385	55 (14.3)	reference	---
yes	37	3 (8.1)	0.53 (0.16–1.78)	0.305
Regional anticoagulation				
citrate	260	19 (7.3)	reference	---
heparin	163	39 (23.9)	3.99 (2.21–7.19)	<0.001

+ continuous variable

Table 1c. Multivariate analysis for insufficient time sessions.

	Beta	Wald	Odds ratio	P
Non-jugular venous access	-0.372	1.080	0.69 (0.34–1.39)	0.299
Temporary catheter	0.108	0.051	1.11 (0.44–2.84)	0.822
Platelets <50,000 mm ³	-0.452	0.627	0.64 (0.21–1.95)	0.428
Platelets >450,000 mm ³	0.163	0.170	1.17 (0.54–2.55)	0.680
Heparin anticoagulant	1.204	13.265	3.33 (1.74–6.37)	<0.001
Constant	-2.418	21.279	---	---

Table 2b. Univariate analysis for hypotension.

	<i>n</i>	<i>Hypotension n (%)</i>	<i>Odds ratio</i>	<i>P</i>
Venous access				
Jugular vein	276	45 (16.3)	reference	---
Other access	147	13 (8.8)	0.50 (0.26–0.96)	0.036
Temporary catheter				
no	65	4 (6.2)	reference	---
yes	357	54 (15.1)	2.72 (0.95–7.78)	0.063
INR ⁺	247	37 (15.0)	0.93 (0.44–1.97)	0.860
Platelets (cell/mm ³)				
100,000–450,000	295	41 (13.9)	reference	---
<50,000	72	7 (9.7)	0.67 (0.29–1.55)	0.349
>450,000	52	9 (17.3)	1.29 (0.59–2.86)	0.520
Ionized calcium (mmol/L)				
1.16–1.32	146	23 (15.8)	reference	---
<1.16	95	10 (10.5)	0.63 (0.28–1.39)	0.252
>1.32	100	8 (8.0)	0.46 (0.19–1.09)	0.077
Liver failure				
no	385	58 (15.1)	reference	---
yes	37	0 (---)	---	---
Regional anticoagulation				
citrate	260	25 (9.6)	reference	---
heparin	163	33 (20.2)	2.38 (1.36–4.19)	0.002

+ continuous variable

Table 2c. Multivariate analysis for hypotension.

	Beta	Wald	Odds ratio	P
Non-jugular venous access	-0.516	2.090	0.59 (0.29–1.20)	0.148
Temporary catheter	0.790	1.921	2.20 (0.72–6.73)	0.166
Platelets <50,000 mm ³	-0.042	0.008	0.96 (0.39–2.37)	0.928
Platelets >450,000 mm ³	-0.226	0.282	0.79 (0.34–1.84)	0.596
Heparin anticoagulant	1.204	13.265	2.44 (1.30–4.59)	0.005
Constant	-2.768	21.133	---	---

Table 3b. Univariate analysis for poor catheter flow.

	<i>n</i>	<i>Poor catheter flow n (%)</i>	<i>Odds ratio</i>	<i>P</i>
Venous access				
Jugular vein	276	44 (15.9)	reference	---
Other access	147	22 (15.0)	0.93 (0.53–1.62)	0.792
Temporary catheter				
no	65	7 (10.8)	reference	---
yes	357	59 (16.5)	1.64 (0.71–3.78)	0.244
INR ⁺	247	41 (16.6)	0.39 (0.08 – 2.00)	0.262
Platelets (cell/mm ³)				
100,000–450,000	295	52 (17.6)	reference	---
<50,000	72	5 (6.9)	0.35 (0.13–0.91)	0.031
>450,000	52	6 (11.5)	0.61 (0.25–1.50)	0.282
Ionized calcium (mmol/L)				
1.16–1.32	146	30 (20.5)	reference	---
<1.16	95	12 (12.6)	0.63 (0.27–1.16)	0.117
>1.32	100	11 (11.0)	0.48 (0.23–1.00)	0.052
Liver failure				
no	385	60 (15.6)	reference	---
yes	37	6 (16.2)	1.05 (0.42 – 2.62)	0.920
Regional anticoagulation				
citrate	260	33 (12.7)	reference	---
heparin	163	33 (20.2)	1.74 (1.03 – 2.96)	0.039

+ continuous variable

Table 3c. Multivariate analysis for poor catheter flow.

	Beta	Wald	Odds ratio	P
Non-jugular venous access	0.175	0.312	1.19 (0.64–2.20)	0.577
Temporary catheter	0.658	2.050	1.93 (0.78–4.75)	0.152
Platelets <50,000 mm ³	-0.970	3.662	0.38 (0.14–1.02)	0.056
Platelets >450,000 mm ³	-0.709	2.193	0.49 (0.19–1.26)	0.139
Heparin anticoagulant	0.405	1.872	1.49 (0.84–2.68)	0.171
Constant	-2.328	22.494	---	---

Table 4b. Univariate analysis for reverse lines.

	<i>n</i>	<i>Reverse lines n (%)</i>	<i>Odds ratio</i>	<i>P</i>
Venous access				
Jugular vein	276	17 (6.2)	reference	---
Other access	147	11 (7.5)	1.23 (0.56–2.70)	0.603
Temporary catheter				
no	65	2 (3.1)	reference	---
yes	357	26 (7.3)	2.47 (0.57–10.69)	0.225
INR ⁺	247	13 (5.3)	0.12 (0.004–3.67)	0.228
Platelets (cell/mm ³)				
100,000–450,000	295	22 (7.5)	reference	---
<50,000	72	2 (2.8)	0.35 (0.08–1.54)	0.167
>450,000	52	3 (5.8)	0.61 (0.22–2.63)	0.665
Ionized calcium (mmol/L)				
1.16–1.32	146	13 (8.9)	reference	---
<1.16	95	5 (5.3)	0.57 (0.19–1.65)	0.299
>1.32	100	4 (4.0)	0.43 (0.13–1.35)	0.147
Liver failure				
no	385	27 (7.0)	reference	---
yes	37	1 (2.7)	0.37 (0.05–2.79)	0.334
Regional anticoagulation				
citrate	260	12 (4.6)	reference	---
heparin	163	16 (9.8)	2.25 (1.03–4.88)	0.041

+ continuous variable

Table 4c. Multivariate analysis for reverse lines.

	Beta	Wald	Odds ratio	P
Non-jugular venous access	0.546	1.598	1.73 (0.74–4.02)	0.206
Temporary catheter	1.259	2.590	3.52 (0.76–16.31)	0.108
Platelets <50,000 mm ³	-0.904	1.323	0.40 (0.09–1.89)	0.250
Platelets >450,000 mm ³	-0.573	0.757	0.56 (0.15–2.05)	0.384
Heparin anticoagulant	0.692	2.568	1.99 (0.86–4.65)	0.109
Constant	-4.137	24.328	---	---

Table 5b. Univariate analysis for coagulation of the system.

	<i>n</i>	<i>Coagulation of the system n (%)</i>	<i>Odds ratio</i>	<i>P</i>
Venous access				
Jugular vein	276	27 (9.8)	reference	---
Other access	147	9 (6.1)	0.60 (0.27–1.31)	0.203
Temporary catheter				
no	65	4 (6.2)	reference	---
yes	357	32 (9.0)	1.50 (0.51–4.39)	0.459
INR ⁺	247	28 (11.3)	0.26 (0.03–2.13)	0.208
Platelets (cell/mm ³)				
100,000–450,000	295	25 (8.5)	reference	---
<50,000	72	2 (2.8)	0.31 (0.07–1.33)	0.115
>450,000	52	8 (15.4)	0.61 (0.83–4.63)	0.123
Ionized calcium (mmol/L)				
1.16–1.32	146	17 (11.6)	reference	---
<1.16	95	6 (6.3)	0.51 (0.19–1.35)	0.175
>1.32	100	9 (9.0)	0.75 (0.32–1.76)	0.509
Liver failure				
no	385	33 (8.6)	reference	---
yes	37	3 (8.1)	0.94 (0.27–3.23)	0.923
Regional anticoagulation				
citrate	260	16 (6.2)	reference	---
heparin	163	20 (12.3)	2.13 (1.07–4.25)	0.031

+ continuous variable

Table 5c. Multivariate analysis for coagulation of the system.

	<i>Beta</i>	<i>Wald</i>	<i>Odds ratio</i>	<i>P</i>
Non-jugular venous access	-0.327	0.549	0.72 (0.30–1.71)	0.459
Temporary catheter	0.182	0.091	1.20 (0.37–3.91)	0.762
Platelets <50,000 mm ³	-0.992	1.675	0.37 (0.08–1.66)	0.196
Platelets >450,000 mm ³	0.438	0.881	1.55 (0.62–3.87)	0.348
Heparin anticoagulant	0.435	1.270	1.54 (0.72–3.29)	0.260
Constant	-2.616	16.788	---	---