

Supplement 1: Demographic and procedural data before and after matching

a) all regional anesthetic procedures	before matching			after matching		
	with thrombo-prophylaxis (n=21,009)	without thrombo-prophylaxis (n=44,805)	absolute standardized difference	with thrombo-prophylaxis (n=18,255)	without thrombo-prophylaxis (n=18,255)	absolute standardized difference
Demographic data						
Female sex	10,162 (48)	23,830 (53)	0.10	8,980 (49)	9,020 (49)	0.004
Age [yr]	64.0 (±15)	58.4 (±18)	0.33	63.0 (±16)	63.4 (±16)	0.03
BMI [kg/m ²]	28.2 (±6)	28.1 (±6)	0.01	28.1 (±6)	28.2 (±6)	0.02
ASA 1	1,475 (7)	5,931 (13)	0.20	1,458 (8)	1,384 (8)	0.02
ASA 2	7,900 (38)	21,938 (49)	0.22	7,469 (42)	7,312 (40)	0.02
ASA 3	10,897 (52)	16,349 (37)	0.22	8,783 (48)	9,082 (50)	0.03
ASA ≥4	737 (4)	587 (1)	0.19	545 (3)	477 (3)	0.02
Year of surgery	2012 (±3)	2014 (±3)	0.79	2012 (±3)	2012 (±3)	0.05
Comorbidities						
Renal insufficiency*	5,715 (27)	7,244 (16)	0.27	4,526 (25)	4,560 (25)	0.004
Technical data						
Peripheral puncture site	9,386 (45)	25,299 (57)	0.24	8,484 (56)	8,414 (56)	0.01
Neuraxial puncture site	11,623 (55)	19,506 (44)	0.22	9,771 (54)	9,841 (54)	0.01
Awake during block placement	9,915 (47)	17,949 (40)	0.14	8,415 (46)	8,501 (44)	0.01
Sedated or general anesthesia	11,094 (53)	26,856 (60)	0.14	9,840 (55)	9,754 (56)	0.01
Single shot	3,792 (18)	10,807 (24)	0.15	3,477 (19)	3,379 (19)	0.01
Catheter	17,217 (82)	33,998 (76)	0.15	14,778 (81)	14,876 (81)	0.01
Use of ultrasound	4,221 (20)	15,682 (35)	0.34	4,056 (22)	4,006 (22)	0.01
Multiple skin puncture	3,797 (18)	5,742 (13)	0.14	3,147 (17)	3,165 (17)	0.01
Antithrombotic therapy						
Paused per guideline	17,374 (87)	-	-	-	-	-
Not paused per guideline	2,574 (13)	-	-	-	-	-
Antiplatelet agent	1,643 (8)	-	-	-	-	-
Anticoagulant agent	17,538 (84)	-	-	-	-	-
Combined therapy	1,809 (9)	-	-	-	-	-
Other	6 (0.03)	-	-	-	-	-
Bloody tap	626 (3.0)	909 (2.0)	0.06	517 (2.8)	436 (2.4)	0.03

b) peripheral blocks	before matching			after matching		
	with thrombo- prophylaxis (n=9,386)	without thrombo- prophylaxis (n= 25,299)	absolute standardized difference	with thrombo- prophylaxis (n=8,220)	without thrombo- prophylaxis (n=8,220)	absolute standardized difference
Demographic data						
Female sex	4,799 (51)	13,441 (53)	0.04	4,223 (51)	4,298 (52)	0.02
Age [yr]	63.3 (±16)	57.2 (±18)	0.35	62.2 (±16)	62.8 (±16)	0.03
BMI [kg/m ²]	28.8 (±6)	28.4 (±6)	0.07	28.7 (±6)	28.9 (±6)	0.03
ASA 1	796 (9)	3,813 (15)	0.21	785 (10)	779 (10)	0.003
ASA 2	3,345 (36)	12,958 (51)	0.32	3,272 (40)	3,072 (37)	0.05
ASA 3	4,862 (52)	8,249 (33)	0.30	3,908 (48)	4,132 (50)	0.05
ASA ≥4	383 (4)	279 (0.1)	0.19	255 (3)	237 (3)	0.01
Year of surgery	2011 (±3)	2014 (±3)	0.79	2012 (±3)	2012 (±3)	0.05
Comorbidities						
Renal insufficiency*	2,745 (29)	3,815 (15)	0.34	2,147 (26)	2,194 (27)	0.05
Technical data						
Awake during block placement	2,644 (28)	6,841 (27)	0.03	2,292 (28)	2,358 (28)	0.02
Sedated or general anesthesia	6,742 (72)	18,458 (73)	0.03	5,928 (72)	5,862 (72)	0.02
Single shot	2,851 (30)	8,139 (32)	0.04	2,567 (31)	2,451 (30)	0.37
Catheter	6,535 (70)	17,160 (68)	0.04	5,653 (69)	5,769 (70)	0.37
Use of ultrasound	4,049 (43)	15,101 (60)	0.34	3,816 (46)	3,836 (47)	0.74
Multiple skin puncture	842 (9)	1,547 (6)	0.11	696 (9)	708 (9)	0.09
Antithrombotic therapy						
Paused adequately long	7,502 (85)	-	-	-	-	-
Not paused adequately long	1,330 (15)	-	-	-	-	-
Antiplatelet agent	855 (9)	-	-	-	-	-
Anticoagulant agent	7,667 (82)	-	-	-	-	-
Combined therapy	852 (9)	-	-	-	-	-
Other	5 (0.05)	-	-	-	-	-
Bloody tap	277 (3.0)	318 (1.3)	0.12	228 (2.8)	153 (1.9)	0.06

c) neuraxial blocks	before matching			after matching		
	with thrombo- prophylaxis (n= 11,623)	without thrombo- prophylaxis (n= 19,506)	absolute standardized difference	with thrombo- prophylaxis (n=9,852)	without thrombo- prophylaxis (n=9,852)	absolute standardized difference
Demographic data						
Female sex	5,363 (46)	10,389 (53)	0.14	4,674 (47)	4,666 (47)	0.002
Age [yr]	64.6 (±15)	59.8 (±18)	0.29	63.7 (±15)	64.0 (±15)	0.02
BMI [kg/m ²]	27.6 (±6)	27.7 (±6)	0.01	27.6 (±6)	27.7 (±6)	0.01
ASA 1	679 (6)	2,118 (11)	0.19	657 (7)	605 (6)	0.02
ASA 2	4,555 (39)	8,980 (46)	0.01	4,140 (42)	4,121 (42)	0.004
ASA 3	6,035 (52)	8,100 (42)	0.15	4,798 (49)	4,890 (50)	0.02
ASA ≥4	354 (3)	308 (1.6)	0.09	257 (3)	236 (2)	0.01
Year of surgery	2011 (±3)	2014 (±3)	0.75	2012 (±3)	2012 (±3)	0.06
Comorbidities						
Renal insufficiency*	2,970 (26)	3,429 (18)	0.23	2,350 (24)	2340 (24)	0.002
Technical data						
Awake during block placement	7,271 (63)	11,108 (57)	0.12	6,107 (62)	6,077 (62)	0.006
Sedated or general anesthesia	4,352 (37)	8,398 (43)	0.12	3,745 (38)	3,775 (38)	0.006
Single shot	941 (8)	2,668 (14)	0.18	859 (9)	869 (9)	0.004
Catheter	10,682 (92)	16,838 (86)	0.18	8,998 (91)	8,983 (91)	0.004
Use of ultrasound	172 (2)	581 (3)	0.10	167 (2)	163 (2)	0.003
Multiple skin puncture	2,955 (24)	4,195 (22)	0.09	2,431 (25)	2,432 (25)	0.000
Antithrombotic therapy						
Paused per guideline	9,872 (89)	-	-	-	-	-
Not paused per guideline	1,244 (11)	-	-	-	-	-
Antiplatelet agent	788 (7)	-	-	-	-	-
Anticoagulant agent	9,871 (85)	-	-	-	-	-
Combined therapy	957 (8)	-	-	-	-	-
Other	1 (0.01)	-	-	-	-	-
Bloody tap	349 (3.0)	591 (3.0)	0.00	288 (2.9)	285 (2.9)	0.002

Supplement 1a-c. Continuous variables are given as mean (\pm SD) and categorical variables as number (%). Standardized differences were calculated as differences in means or proportions (anticoagulated minus not anticoagulated) divided by the pooled SD and given as absolute values. Propensity score matching was based on all potential confounding variables. ASA=American Society of Anesthesiologists (Physical Status Classification System). *dialysis or CKD EPI < 60ml/min/1.73m²