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Appendix 1. Preoperative patient characteristics and intraoperative variables for 1,583 primary total joint arthroplasty cases from 2017–2018, by development of postoperative anemia with hemoglobin $< 8 \text{ g/dL}^*$

	N (%)								
		Cases with	Cases with						
Variable	All Cases	Postoperative	Postoperative	<i>P</i> -value					
	(n = 1583)	Hemoglobin < 8	Hemoglobin $\geq 8 \text{ g/dL}$ (n						
		g/dL (n = 98)	= 1485)						
Preoperative Characteristics									
Age (years)	$63 \pm 10^{\dagger}$	$67 \pm 13^{\dagger}$	$63 \pm 10^{\dagger}$	0.007					
Female sex	916 (58)	74 (75.5)	842 (56.7)	< 0.001					
Race/ethnicity									
White	1111 (70)	56 (57.1)	1055 (71.0)	0.008					
Black	340 (21)	35 (35.7)	305 (20.5)						
Asian	34 (2)	3 (3.1)	31 (2.1)	0.008					
Hispanic	30 (2)	2 (2.0)	28 (1.9)						
Other/unknown	68 (4)	2 (2.0)	66 (4.4)						
BMI value (kg/m ²)	$32 \pm 5.3^{\dagger}$	$29 \pm 5.9^{\dagger}$	$32 \pm 5.2^{\dagger}$	< 0.001					
CCI value	$3.0 \pm 1.9^{\dagger}$	$4.1 \pm 2.5^{\dagger}$	$2.9 \pm 1.9^{\dagger}$	< 0.001					
Diabetes									
None	1370 (87)	78 (79.6)	1292 (87.0)	0.001					
Uncomplicated	166 (10)	11 (11.2)	155 (10.4)	0.001					
End-organ damage	47 (3)	9 (9.2)	38 (2 .6)						
Chronic kidney disease	109 (7)	14 (14.3)	95 (6.4)	0.003					
Congestive heart failure	74 (5)	9 (9.2)	65 (4.4)	0.029					
Coronary artery disease	156 (10)	15 (15.3)	141 (9.5)	0.062					
Hemoglobin level (g/dL)	$13 \pm 1.4^{\dagger}$	$12 \pm 1.3^{\dagger}$	$14 \pm 1.4^{\dagger}$	< 0.001					
Intraoperative Variables									
Procedure type									
Hip	696 (44)	53 (54.1)	643 (43.3)	0.037					
Knee	887 (56)	45 (45.9)	842 (56.7)						
General anesthesia [‡]	142 (9)	12 (12.2)	130 (26.8)	0.241					
Tranexamic acid use	1454 (92)	80 (81.6)	1374 (92.5)	< 0.001					
Surgical duration (min)	$110 \pm 24^{\dagger}$	$123 \pm 48^{\dagger}$	$109 \pm 21^{\dagger}$	0.004					

BMI, body mass index; CCI, Charlson Comorbidity Index.

^{*}Defined as a hemoglobin level < 8 g/dL.

[†]Expressed as mean \pm standard deviation.

[‡]Referent is neuraxial anesthesia.

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Appendix 2: Postoperative outcomes of 1,583 primary total joint arthroplasty cases from 2017–

2018, by postoperative anticoagulation regimen.

7 7 1	Postoperative Anticoagulant Regimen, N (%)					
Outcome	All Cases (n =	Aspirin (n = 1,337)	Coumadin $(n = 59)$	Enoxaparin $(n = 13)$	NOACs (n =	
	1,583)	- 1,337)	$(\Pi - 39)$	(n-13)	174)	
Postoperative hemoglobin <8 g/dL	98 (6.2)	77 (5.8)	4 (6.8)	3 (23)	14 (8.0)	0.062
Acute kidney injury	33 (2.1)	27 (2.0)	3 (5.1)	0 (0.0)	3 (1.7)	0.403
Length of hospital stay (h)	$41 \pm 27^{\dagger}$	$40\pm26^{\dagger}$	$44 \pm 21^{\dagger}$	$43 \pm 21^{\dagger}$	$47\pm31^{\dagger}$	0.028
ED visit/readmission within 90 d	79 (5.0)	64 (4.8)	0 (0.0)	1 (7.7)	14 (8.0)	0.048

NOAC, novel oral anticoagulant

[†]Expressed as mean \pm standard deviation.