Supplemental Online Content

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

eTable 1. Clinical characteristics of the study population

Clinical demographics	Total (n=352)
Maternal age, years	33.0 [30.0, 37.0]
Primipara	211 (60.0)
Conception through IVF*	120/317 (37.9)
Fibroids or adenomyosis*	27/341 (7.9)
Gestational age of delivery, weeks*	39.0 [38.0, 40.0] [†]
Mode of delivery	
Labor analgesia *	57/349 (16.3)
Labor induction or augmentation*	154/340 (45.3)
Operative vaginal delivery	78 (22.2)
Cesarean delivery	93 (26.4)
PPH types according to the clinical diagnosis at	
each institution	
Atonic uterus	258 (73.3)
Tissue	94 (26.7)
Amount of blood loss	
Pre-transport, mL*	1,961 [1,300, 2,613] ‡
Total, mL*	2,487 [1,637, 3,420] §
Clinical status	
Maximum shock index $\ge 1.0*$	180/346 (52.6)
Minimum levels of hemoglobin, g/dL*	6.8 [5.9, 7.9] [¶]
Minimum fibrinogen levels <150 mg/dL*	89/343 (25.9)
Blood transfusion	272 (77.3)
RBC, units	6 [2, 10]
FFP, units	4 [0, 8]
Treatment	
Administration of fibrinogen	66 (18.8)
Administration of tranexamic acid	96 (27.3)
Balloon tamponade	144 (40.9)
Uterine artery embolization	105 (29.8)
Hysterectomy	8 (2.3)
Maternal death	1 (0.3)
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Data are presented as median [Q1, Q3].

IVF: in-vitro fertilization, PPH: postpartum hemorrhage, RBC: red blood cells, FFP: fresh frozen plasma, CT: computed tomography, PRACE: postpartum hemorrhage resistant to treatment showing arterial contrast extravasation on dynamic CT.

* For variables with missing data, the denominator represents the number of cases for which data are available. Percentages are calculated based on the available cases. † Data available for 346, ‡308, § 327, and ¶349 patients.

eTable 2. Clinical characteristics of PPH patients with and without CT imaging

•	CT (-)	CT (+)	P value	
Variable	n=147			
Clinical demographics				
Maternal age, years	34.0 [30.0, 37.0]	33.0 [30.0, 37.0]	0.17	
Primipara	75 (51.0)	136 (66.3)	0.003	
Conception through IVF*	45/132 (34.1)	75/185 (40.5)	0.24	
Fibroids or adenomyosis*	10/139 (7.2)	17/202 (8.4)	0.68	
Gestational age of delivery, weeks*	39.0 [38.0, 40.0] [†]	39.0 [38.0, 40.0]‡	0.45	
Mode of delivery				
Labor analgesia *	19/147 (12.9)	38/202 (18.8)	0.14	
Labor induction or augmentation*	66/142 (46.5)	88/198 (44.4)	0.71	
Operative vaginal delivery	31 (21.1)	47 (22.9)	0.68	
Cesarean delivery	30 (20.4)	63 (30.7)	0.03	
PPH types				
Atonic uterus	101 (68.7)	157 (76.6)	0.10	
Tissue	46 (31.3)	48 (23.4)	0.10	
Amount of blood loss				
D., 4	1,800 [1,200,	2,000 [1,500,	0.01	
Pre-transport, mL*	2,498] §	2,863] ¶		
Total, mL*	2,110 [1,507,	2,600 [1,885,	0.002	
Iotai, IIIL	3,108]#	3,700]	0.003	
Maximum shock index $\ge 1.0*$	75/144 (52.1)	105/200 (52.5)	0.94	
Minimum levels of hemoglobin, g/dL^*	6.8 [6.0, 8.3] ††	6.8 [5.9, 7.8] ‡‡	0.32	
Minimum fibrinogen levels <150 mg/dL*	20/141 (14.2)	69/202 (34.2)	< 0.001	
Blood transfusion	100 (68.0)	172 (83.9)	< 0.001	
RBC, units	4 [0, 8]	6 [4, 12]	< 0.001	
FFP, units	0 [0, 6]	6 [0, 12]	< 0.001	
Treatment				
Administration of fibrinogen	17 (11.6)	49 (23.9)	0.003	
Administration of tranexamic acid	34 (23.1)	62 (30.2)	0.15	
Balloon tamponade	60 (40.8)	84 (41.0)	0.98	
Uterine artery embolization	14 (9.5)	91 (44.4)	< 0.001	
Hysterectomy	3 (2.0)	5 (2.4)	0.80	

Maternal death	1 (0.7)	0 (0)	0.24
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Data are presented as median [Q1, Q3].

IVF: in-vitro fertilization, PPH: postpartum hemorrhage, RBC: red blood cells, FFP: fresh frozen plasma, CT: computed tomography, PRACE: postpartum hemorrhage resistant to treatment showing arterial contrast extravasation on dynamic CT.

^{*} For variables with missing data, the denominator represents the number of cases for which data are available. Percentages are calculated based on the available cases. † Data available for 146, ‡200, § 128,¶100, # 140, ¶187, †† 147, and ‡‡ 202 patients.

eTable 3. Univariable analysis of risk factors for severe coagulopathy in dynamic CT-scanned cases

Variable	Minimum fibrinogen levels, mg/dL		P value	
variable	≥150 (n=116)	<150 (n=61)	P value	
Maternal age ≥ 35 years	41(35.3)	29 (47.5)	0.11	
Primipara	75(64.7)	42 (68.9)	0.58	
Conception through IVF*	44/107 (41.1)	23/52 (44.2)	0.71	
Fibroids or adenomyosis*	13/116 (11.2)	3/58 (5.2)	0.17	
Labor analgesia *	19/115 (16.5)	11/59 (18.6)	0.73	
Labor induction or augmentation*	46/111 (41.4)	29/60 (48.3)	0.39	
Operative vaginal delivery	25 (21.6)	13 (21.3)	0.97	
Cesarean delivery	30 (25.9)	26 (42.6)	0.02	
PPH types			< 0.001	
Atonic uterus	60	20		
Tissue	32	8		
PRACE	24	33		

Data are presented as n (%).

IVF: in-vitro fertilization, PPH: postpartum hemorrhage, PRACE: postpartum hemorrhage resistant to treatment showing arterial contrast extravasation on dynamic CT, RBC: red blood cells, FFP: fresh frozen plasma, UAE: uterine artery embolization.

^{*} For variables with missing data, the denominator represents the number of cases for which data are available. Percentages are calculated based on the available cases.