**Table D-59. Evidence table for studies addressing management of PPH (Chauleur 2008a)**

| **Study** **Description** | **Intervention** | **Inclusion/Exclusion** **Criteria & Population** | **Outcomes** |
| --- | --- | --- | --- |
| Author:Chauleur et al., 200860Country:FranceEnrollment period: January 1999 to February 2004Birth setting: HospitalFacility characteristics: UniversityFunding: NRDesign: Population-based case series | **Intervention:** Analyze the relationship between severe PPH, its related blood-derived substitutive treatments and the occurrence of venous thromboembolism (VTE) in the following first six weeks post birth**Groups:****G1:** Women during their first pregnancy**G1a:** Subgroup of women who developed severe PPHN at enrollment: **G1:** 32,463**G1a:** 317 (0.98%)N at follow-up: NRDuration of treatment: NRTiming of treatment: NROrder of treatment:1 As soon as excessive bleeding was observed, manual explorations of the uterus and oxytocin injection were performed2 Sulprostone was injected IV in the case of persistent hemorrhage: initial 500 ug dose was given over a one hour duration, then a second dose over three to five hours3 Fluid therapy was used to obtain hemodynamic stability and normovolemia4 Transfusion of packed RBC units was performed to maintain the hemoglobin level above 70 g/l-15 The practitioner in charge of the patient decided to inject 20 ml/kg-1 of fresh frozen plasma (FFP) in case of plasma factor V lower than 30% normal values and one unit of platelet (PLT) per 10 kg body weight in case of thrombocytopenia lower than 50 g/l-1Length of follow-up: NR | **Operational definition of PPH:** PPH was defines as uterine bleeding occurring in the first 24 hours after delivery, persisting after manual exploration of the uterine cavity and requiring I.V. prostaglandin administration.Severe PPH was defined as peripartum decrease of hemoglobin >40 g/l-1 –the reference value taken into consideration was the last hemoglobin concentration before delivery-; or in case of transfusion of at least four packed red blood cell (RBC) units, of hemostatic intervention (surgical uterine sutures, artery litigation, artery embolization, hysterectomy) or of death.**Definition of success of treatment**: NR**Method of blood loss measurement:** NR**Severity:** See aboveInclusion criteria: * Women during their first intended pregnancy

Exclusion criteria: * Previous occurrence of superficial or deep vein thrombosis (DVT) in the patient or in any first degree relative
* Chronic treatment during pregnancy interfering with the hemostatic system, including low- or high- dose aspirin
* Any missing data on pregnancy loss

**Maternal age, yrs, mean (range):****G1:** 29.2 (21-36)**G1a:** 29 (22-36)**Parity:** NR**Weeks gestation, mean (range):** **G1a:** 39 (22-41)**Single pregnancy:** NR**Multiple pregnancy, n (%):****G1:** 340 (1)**G1a:** 6 (1.9)**Race/ethnicity, n (%):**European Caucasians **G1:** 26,323 (81.1)Northern Africa Caucasians **G1:** 4,447 (13.7)Africans **G1:** 1,006 (3.1)Asians **G1:** 683 (2.1)**BMI, Mean (range), kg/m-2****G1:** 24.3 (16.1-33.7)**G1a:** 23.9 (19.1-30.3)**Baseline hemoglobin:** NR**Mode of birth, n, (%):** Cesarean**G1:** 6,957 (21.4)**G1a:** 76 (24)Vaginal delivery **G1:** NR**G1a:** 241 (76)**Risk factors:** NR**Primary etiology of PPH, n (%):** Uterine atony**G1a:** 199 (62.8)Birth canal trauma**G1a:** 29 (9.1)Placenta accreta **G1a:** 2 (0.6)Placenta praevia, uterine inversion **G1a:** 1 (0.3)Placenta abruption, uterine atony **G1a:** 23 (7.3)Retained secondines**G1a:** 20 (6.3)Retained secondines, disseminated intravascular coagulation **G1a:** 5 (1.6)Retained secondines, uterine atony **G1a:** 30 (9.5)Retained secondines, uterine inversion 8**G1a:** 8 (2.5) | **Transfusion, n (%):**Red blood cells **G1a:** 317 (100)Platelets **G1a:** 29 (9.1)Fresh frozen plasma **G1a:** 51 (16.1)Fibrinogen concentrates **G1a:** 29 (9.1)**Harms, n:**Lower limb DVT**G1:** 11Superficial vein thrombosis**G1:** 60**G1a:** 3Venous thromboembolism**G1a:** 0**Mortality, n:****G1a:** 0**Confounders:** NR **Effect modifiers:** NR |