Table D-21. Evidence table for studies addressing management of PPH (Kim 2013b)

| **Study**  **Description** | **Intervention** | **Inclusion/Exclusion**  **Criteria & Population** | **Outcomes** |
| --- | --- | --- | --- |
| Author:  Kim et al., 201326  Country:  Korea  Enrollment period:  March 2004 – January 2011  Birth setting:  hospital  Facility characteristics:  Tertiary care  Funding: NR  Design:  Retrospective case series | **Intervention:**  Pelvic arterial embolization (PAE)  **Groups:**  **G1a:** successful PAE (intervention)  **G1b:** failed PAE (intervention)  N at enrollment:  **G1:** 257  **G1a:** 233  **G1b:** 24  Duration of treatment: NR  Timing of treatment: NR  Order of treatment: PAE was performed due to continued bleeding despite appropriate medical and/or surgical treatments  Length of follow-up: NR | **Operational definition of PPH:** NR  **Definition of success of treatment:** Technical success was defined as the cessation of bleeding on angiography and/or angiographically successful emboli- zation of the uterine or anterior division of the hypogastric artery (12). Clinical success was defined as the cessation of bleeding after one PAE session. Clinical failure was defined as the need for subsequent intervention, including repeat embolization or additional surgery during the hospital stay.  **Method of blood loss measurement:** NR  **Severity:** NR  Inclusion criteria:   * Patients undergoing PAE at hospital within study period   Exclusion criteria: NR  **Maternal age, yrs, median (range):**  **G1:** 32 (20-40)  **Maternal age >32 y, n (%):**  **G1a:** 102 (87.2)  **G1b**: 15 (12.8)  p = 0.08  **Primiparity, n:**  **G1a:** 150 (92.6)  **G1b:** 12 (7.4)  p = 0.19  **Weeks gestation:** NR  **Single pregnancy:** NR  **Multiple pregnancy:** NR  **Race/ethnicity:** NR  **BMI:** NR  **Baseline hemoglobin (<8 g/dl):**  **G1a:** 103 (85.1)  **G1b:** 18 (14.9)  p < 0.01  **SES:** NR  **Mode of birth, n:**  Cesarean, n (%):  **G1a:** 103 (92.0)  **G1b**: 9 (8.0)  **Risk factors, n (%):**  PAE after failed surgical procedure, n (%): 9  **G1a:** 7  **G1b:** 2  p = .20  **Primary etiology of PPH, n (%):**  Atony: 154  **G1a:** 140 (89.7)  **G1b:** 16 (10.3)  p = 0.53  Lower genital tract laceration: 44  **G1a:** 38 (86.4)  **G1b:** 6 (13.6)  p = 0.39  Placenta accrete: 22  **G1a:** 20 (90.9)  **G1b:** 2 (9.1)  p = 0.66  Retained placental fragments: 19  **G1a:** 19 (100)  **G1b:** 0  Placenta previa: 16  **G1a:** 16  **G1b:** 0 | **Harms pre-specified:** Yes  **Harms, n (%):**  Total  **G1a:** 22 (9.4)  **G1b:** 9 (37.5)  p < 0.01  **Embolization related total:**  **G1a:** 11  **G1b:** 4  p = 0.01  **Paresthesia:** 10  **G1a:** 7  **G1b:** 3  **Uterine abscess**: 3  **G1a:** 2  **G1b:** 1  **Postembolization syndrome:** 2  **G1a:** 2  **G1b:** 0  **Transfusion related:**  Pulmonary edema: 5  **G1a:** 4  **G1b:** 1  p = 0.41  **Hypovolemia-related total:** 11  **G1a:** 7  **G1b:** 4  p <0.01  **Cerebral infarction:** 5  **G1a:** 2  **G1b:** 3  **Optic nerve ischemia:** 2  **G1a:** 2  **G1b:** 0  **Acute renal failure:** 2  **G1a:** 2  **G1b:** 0  **Multiorgan failure:**  **G1a:** 1  **G1b:** 1 |