Table D-47. Evidence table for studies addressing management of PPH (Wright 2010)

| **Study**  **Description** | **Intervention** | **Inclusion/Exclusion**  **Criteria & Population** | **Outcomes** |
| --- | --- | --- | --- |
| Author:  Wright et al.,  201048  Country:  US  Enrollment period:  2002 to 2007  Birth setting:  hospital  Facility characteristics:  320 acute-care hospitals in the United States  Funding: NR  Design:  Population-based case series | **Intervention:**  Peripartum hysterectomy within 2 days of cesarean delivery  **Groups:** Subgroups (tertiles based on hospital volume), n of facilities:  **G1a:** low-volume hospitals  221 facilities (69%)  **G1b:** intermediate-volume  73 facilities (23  **G1c:** high-volume hospitals  26 facilities (8%)  N at enrollment n (%):  **G1:** 2209  **G1a:** 715 (33.4)  **G1b:** 867 (39.3)  **G1c:** 627 (28.4)  N at follow-up:  **G1:** 2209  Duration of treatment: NA  Timing of treatment: hysterectomy within 2 days of cesarean delivery  Order of treatment NA  Length of follow-up: NR | **Operational definition of PPH:** NR  **Definition of success of treatment**: NR  **Method of blood loss measurement:** NR  **Severity:** NR  Inclusion criteria:   * data d in the Perspective database of acute care US hospitals * women aged 50 years or less * treated between 2002 and 2007 * underwent peripartum hysterectomy defined as hysterectomy within 2 days of cesarean delivery detected by ICD 9 codes   Exclusion criteria:   * concomitant diagnosis of invasive malignancy   **Maternal age at surgery, yrs, median (range)**  **G1:** 33 (14-50)  **< 30:** 673 (30.5%)  **≥ 30:** 1536 (69.5%)  **Parity, n:** NR  **Weeks gestation:** NR  **Single pregnancy:** NR  **Multiple pregnancy:** NR  **Race/ethnicity, n (%)**  White  **G1:** 1108 (50.2)  African American  **G1:** 394 (17.8) Other  **G1:** 707 (32.0)  **BMI:** NR  **Baseline hemoglobin:** NR  **SES, type of insurance, %:**  Commercial insurance  **G1:** 61  Medicaid  **G1:** 32  No insurance  **G1:** 3  **Mode of birth:** NR  **Risk factors:** NR  **Primary etiology of PPH:** NR  **Indication for hysterectomy, n (%)**  Placenta accrete  **G1:** 775 (35.1%)  Uterine atony  **G1:** 770 (34.9%)  Extension of hysterotomy  **G1:** 72 (3.3%)  Uterine rupture  **G1:** 18 (0.8%)  Delayed hemorrhage  **G1:** 49 (2.2%)  Leiomyoma  **G1:** 230 (10.4%) | **Blood loss:** NR  **Received transfusion n, %, unadjusted:**  **G1a:** 409 (57.2%)  **G1b:** 405 (46.7%)  **G1c:** 283 (45.1%)  p<.001  **ICU admission, n (%), unadjusted:**  **G1a:** 322 (45.0)  **G1b:** 343 (39.6)  **G1c:** 172 (27.4)  p<.001  **Anemia:** NR  **Length of stay:**  Unadjusted mean ± SD  **G1a:** 3.5 ± 2.5  **G1b:** 4.0 ± 4.6  **G1c:** 4.1 ± 11.0  Mortality, n (%) unadjusted  **G1a:** 13 (1.8)  **G1b:** 8 (0.9)  **G1c:** 5 (0.8)  p=.02  **Uterine preservation:** NA  **Future fertility:** NA  **Breastfeeding:** NR  **Psychological impact:** NR  Harms of intervention **Intraoperative injury, n, (%), unadjusted:**  Bladder injury  **G1a:** 52 (7.2)  **G1b:** 69 (8.0)  **G1c:** 56 (8.9)  Ureteral injury  **G1a** 2 (0.3)  **G1b:** 3 (0.4)  **G1c:** 3 (0.5)  Intestinal injury  **G1a:** 3 (0.4)  **G1b:**3 (0.4)  **G1c:** 4 (0.6)  Vascular injury  **G1a:** 1 (0.1)  **G1b:** 0  **G1c:** 0  Other injury  **G1a:** 69 (9.7)  **G1b:** 89 (10.3)  **G1c:** 61 (9.7)  **Perioperative surgical complications, n (%), unadjusted:**  Reoperation  **G1a:** 46 (6.4)  **G1b:** 38 (4.4)  **G1c:** 20 (3.2)  Postoperative hemorrhage  **G1a:** 49 (6.9)  **G1b:** 37 (4.3)  **G1c3:** 37 (5.9)  Wound complication  **G1a:** 71 (9.9)  **G1b:** 59 (6.8)  **G1c:** 42 (6.7)  Venous thromboembolism  **G1a:** 6 (0.8)  **G1b:** 14 (1.6)  **G1c:** 14 (2.2)  **Medical Complications, n (%), unadjusted:**  Cardiovascular  **G1a:** 46 (6.4)  **G1b:** 40 (4.6)  **G1c:** 27 (4.3)  Pulmonary  **G1a:** 101 (14.1)  **G1b:**109 (12.6)  **G1c:** 61 (9.7)  Gastrointestinal  **G1a:** 58 (8.1)  **G1b:** 63 (7.3)  **G1c:** 55 (8.8)  Renal  **G1a:** 24 (3.4)  **G1b:** 19 (2.2)  **G1c:** 10 (1.6)  Infectious  **G1a:** 83 (11.6)  **G1b:** 106 (12.2)  **G1c:** 78 (12.4)  **Adjusted OR (95% CI), provided for G1b and G1c only (age, race, year diagnosis, insurance status, hospital type and size):**  Intraoperative injury  **G1b:** 0.97 (0.68-1.38)  **G1c:** 0.95 (0.61-1.48)  Perioperative surgical complication  **G1b:** 0.66 (0.51-0.86)  **G1c:** 0.66 (0.47-0.93)  Medical complication  **G1b:** 0.97 (0.74-1.28)  **G1c:** 0.98 (0.71-1.34)  Transfusion  **G1b:** 0.83 (0.54-1.27)  **G1c:** 0.79 (0.42-1.47)  Length of stay  **G1b:** 0.44 (-0.27-1.14)  **G1c:** 0.63 (-0.20-1.45)  Intensive care use  **G1b:** 0.81 (0.60-1.09)  **G1c:** 0.53 (0.34-0.83)  Perioperative death  **G1b:** 0.41 (0.16-1.03)  **G1c:** 0.29 (0.10-0.88)  **Confounders:** NR  **Effect modifiers:** NR |

**Comments:** Women could have multiple or unknown indications for hysterectomy.