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., 201048Country:USEnrollment period: 2002 to 2007Birth setting: hospitalFacility characteristics: 320 acute-care hospitals in the United States Funding: NRDesign: 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-volume73 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: NATiming of treatment: hysterectomy within 2 days of cesarean deliveryOrder of treatment NALength of follow-up: NR | **Operational definition of PPH:** NR**Definition of success of treatment**: NR**Method of blood loss measurement:** NR**Severity:** NRInclusion 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:** 61Medicaid**G1:** 32No 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 ± 11.0Mortality, 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:** NRHarms 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:** 0Other 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.