CMQCC

In Case Collaborative Obstetric Hemorrhage Emergency Management Plan: Table Chart Format

	Assessments	Meds/Procedures	Blood Bank
Stage 0	Every woman in la	hor/aiving hirth	Diood Daim
Stage 0 focuses on risk assessment and active management of the third stage	 Assess every woman for risk factors for hemorrhage Measure cumulative quantitative blood loss on every birth 	Active Management 3 rd Stage: • Oxytocin IV infusion or 10u IM • Fundal Massage- vigorous, <u>15 seconds min.</u>	 If Medium Risk: T & Scr If High Risk: T&C 2 U If Positive Antibody Screen (prenatal or current, exclude low level anti-D from
Stage 1	Blood loss: > 500ml vaginal <u>or</u> >1000 ml Cesarean, <u>or</u> VS changes (by >15% or HR ≥110, BP ≤85/45, O2 sat <95%)		
Stage 1 is short: activate hemorrhage protocol, initiate preparations and give Methergine IM.	 Activate OB Hemorrhage Protocol and Checklist Notify Charge nurse, OB/CNM, Anesthesia VS, O2 Sat q5' Record cumulative blood loss q5-15' Weigh bloody materials Careful inspection with good exposure of vaginal walls, cervix, uterine cavity, placenta 	 IV Access: at least 18gauge Increase IV fluid (LR) and Oxytocin rate, and repeat fundal massage Methergine 0.2mg IM (if not hypertensive) May repeat if good response to first dose, BUT otherwise <u>move on</u> to 2nd level uterotonic drug (see below) Empty bladder: straight cath or place foley with urimeter 	• T&C 2 Units PRBCs (if not already done)
Stage 2	2 Continued bleeding with total blood loss under 1500ml		
Stage 2 is focused on sequentially <u>advancing</u> through medications and procedures, mobilizing help and Blood Bank support, and keeping ahead with volume and blood products.	 OB back to bedside (if not already there) Extra help: 2nd OB, Rapid Response Team (per hospital), assign roles VS & cumulative blood loss q 5-10 min Weigh bloody materials Complete evaluation of vaginal wall, cervix, placenta, uterine cavity Send additional labs, including DIC panel If in Postpartum: Move to L&D/OR Evaluate for special cases: Uterine Inversion Amn. Fluid Embolism 	 2nd Level Uterotonic Drugs: Hemabate 250 mcg IM or Misoprostol 800 mcg SL 2nd IV Access (at least 18gauge) Bimanual massage Vaginal Birth: (typical order) Move to OR Repair any tears D&C: r/o retained placenta Place intrauterine balloon Selective Embolization (Interventional Radiology) Cesarean Birth: (still intra-op) (typical order) Inspect broad lig, posterior uterus and retained placenta B-Lynch Suture Place intrauterine balloon 	 Notify Blood Bank of OB Hemorrhage Bring 2 Units PRBCs to bedside, transfuse per clinical signs – do not wait for lab values Use blood warmer for transfusion Consider thawing 2 FFP (takes 35+min), use if transfusing > 2u PRBCs Determine availability of additional RBCs and other Coag products
Stage 3 Total blood loss over 1500ml, or >2 units PRBCs given or VS unstable or suspicion of DIC			
Stage 3 is focused on the Massive Transfusion protocol and invasive surgical approaches for control of bleeding.	 Mobilize team Advanced GYN surgeon 2nd Anesthesia Provider OR staff Adult Intensivist Repeat labs including coags and ABG's Central line Social Worker/ family support 	 Activate Massive Hemorrhage Protocol Laparotomy: B-Lynch Suture Uterine Artery Ligation Hysterectomy Patient support Fluid warmer Upper body warming device Sequential compression stockings 	 Transfuse Aggressively Massive Hemorrhage Pack Near 1:1 PRBC:FFP 1 PLT apheresis pack per 4-6 units PRBCs Unresponsive Coagulopathy: After 8-10 units PRBCs and full coagulation factor replacement: may consult re rFactor VIIa risk/benefit

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