



SYSTEMS LEVEL READINESS

OB HEMORRHAGE: CARTS, KITS AND TRAYS

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EXECUTIVE SUMMARY

 Several lists of suggested materials for standardized carts, kits, and trays are provided to use in preparing for obstetric hemorrhage.

BACKGROUND AND LITERATURE REVIEW

Postpartum hemorrhage (PPH) is a commonly encountered obstetrical emergency on labor and delivery units throughout California. Although medical management is often successful in treating PPH, the obstetrician may have to resort to surgical measures. For ideal response to the emergency, the obstetrician should have rapid access to surgical instruments and tools designed to treat PPH. Equipment and instruments compiled on an obstetrical hemorrhage "cart" is designed to treat vaginal/cervical lacerations and perform uterine tamponade or uterine/ovarian artery ligation. In short, the cart would have all the instruments necessary to treat PPH before hysterectomy is considered. The reader is referred to other guidelines in this toolkit that depict the use of these techniques. For more in-depth details about the hemorrhage cart, the reader is referred to articles by TF Baskett. ^{2,3}

RECOMMENDATIONS

- 1. Labor and delivery units construct a sterile tray that provides rapid access to instruments used to surgically treat PPH.
- 2. Hysterectomy trays are separately available.

EVIDENCE GRADING

Level of Evidence: III C. Opinions of respected authorities based on clinical experience, descriptive studies or reports of expert committees. Recommendations based primarily on consensus and expert opinion.





Level of Evidence: II-3. Evidence obtained from multiple time series with or without intervention. Dramatic results in uncontrolled experiments also could be regarded as this type of evidence. Strong quality improvement data such as statistical process control, or other well-designed analysis.

REFERENCES

- 1. Lu MC, Fridman M, Korst LM, et al. Variations in the incidence of postpartum hemorrhage across hospitals in California. *Maternal Child Health Journal*. September 2005;9(3):297-306.
- 2. Baskett TF. Equipment tray for postpartum hemorrhage in A Textbook of PostPartum Hemorrhage. (ed C. B-Lynch et al). Sapiens Publishing 2006 (III). 2006.
- 3. Baskett TF. Surgical management of severe obstetric hemorrhage: experience with an obstetric hemorrhage equipment tray. *J Obstet Gynaecol Can.* Sep 2004;26(9):805-808.





CHECKLIST: CARTS, KITS, TRAYS

OB Hemorrhage Cart: Recommended inst	ruments			
Set of vaginal retractors (long right and	gle); long weighted speculum			
☐ Sponge forceps (minimum: 2)				
☐ Sutures (for cervical laceration repair a	and B-Lynch)			
☐ Vaginal Packs				
☐ Uterine balloon				
☐ Banjo curettes, several sizes				
☐ Long needle holder				
☐ Uterine forceps				
☐ Bright task light on wheels, behind ultrasound machine				
 Diagrams depicting various procedure Balloon placement) 	s (e.g. B-Lynch, uterine artery ligation,			
OB Hemorrhage Medication Kit: Available PYXIS/refrigerator	in L&D and Postpartum Floor			
☐ Pitocin 10-40 units per 500-1000 mL N	IS 1 bag			
☐ Hemabate 250 mcg/mL 1 an	npule			
☐ Cytotec 200 mcg tablets 5 tal	os			
☐ Methergine 0.2 mg/mL 1 an	npule			
OB Hemorrhage Tray: Available on Postpa	artum Floor			
☐ IV start kit				
☐ 16 gauge angiocath				
1 liter bag lactated Ringers				
☐ IV tubing				
☐ Sterile Speculum				
☐ Urinary catheter kit with urimeter				
☐ Flash light				
Lubricating Jelly				
☐ Assorted sizes sterile gloves				
☐ Lab tubes: red top, blue top, tiger top				





Labor and Delivery Emergency Hysterectomy Tray: Available in L&D OR Suite

 Towel Clips, Backhaus (perforating) 5 1/4" Mosquito, Curved, 5"	
2 Clamp, Mixter 9" 2 Clamp, Tonsil 2 Clamp, Allis, Extra long 10" 2 Clamp, Allis 6" 2 Clamp, Babcock 8" 2 Clamp, Babcock 6 1/4" 2 Clamp, Lahey 6" 2 Clamp, Heaney-Rezak, Straight, 8"	
3 Kelly, Curved 5 3/4" 2 Kelly, Straight 5 3/4" 3 Pean Curved, 6 1/4"	
2 Forceps, Debakey, 9 1/2" I Forceps, Tissue with teeth 9 3/4" I Forceps, Russian 8" I Forceps, Smooth 8" I Forceps, Ferris Smith 2 Forceps with Teeth, 6 " I Forceps, Russian 6" 2 Forceps, Adson with Teeth I Forceps, Tissue, Smooth, 7"	
2 Kocher, Straight, 8" 5 Forceps, Heaney, Curved, 8 1/4" NH, Mayo Hegar, 8" 4 Sponge Stick, 9 1/2"	
Scissor, Jorgensen, Curved, 9" Scissors, bandage 7" Scissors, curved dissecting, Metzenbaum Scissors, Mayo, curved	





1	Scissors, sharp/blunt, Straight, 5 1/2
1	Scissors, Curved Metzenbaum 12"
1	Scissors, Mayo Straight 11"
1	Scissors, Mayo Curved 11"
1	Knife Handle #3
1	Knife Handle #4
1	Knife Handle #3, Long
1	Retractor, Kelly, large
1	Retractor, Deaver, Large, 3" x 12"
1	Retractor, Deaver, Medium
2	Retractor, Med/large Richardson
1	Retractor, Balfour Blades
2	Retractor, Goulet, 7 1/2"
1	Suction, Yankauer Tip
	Suction, Pool Tip