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Massive Transfusion Guideline Example # 1

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# **Policy Statement, Scope and Purpose**

It is the policy of the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that a Massive Transfusion Protocol (MTP) be used to standardize procurement of blood and blood components and clarify communications between the blood bank and the patient caregivers.

# **Definitions**

**Massive Transfusion**

|  |  |
| --- | --- |
| **Adult** | 4U RBCs in < 4 hours and ongoing uncontrolled bleeding |
| **Child** | 30 mls/kg and ongoing uncontrolled bleeding |

# **Policy Standards/Procedures/Actions**

* The MTP may be initiated in any patient care area.
* The MTP may be initiated by the patient’s clinical team.
* The clinical team assigns a clinical contact for the blood bank.
* The clinical team assigns a person to pick up the cooler and blood components.
* The blood bank assigns a contact person.
* The flowcharts “Massive Transfusion Protocol (MTP) – Adult and “Massive Transfusion Protocol (MTP) – Pediatric ” will be used to guide decision making.

**Number of Units to be Issued Per Cooler**

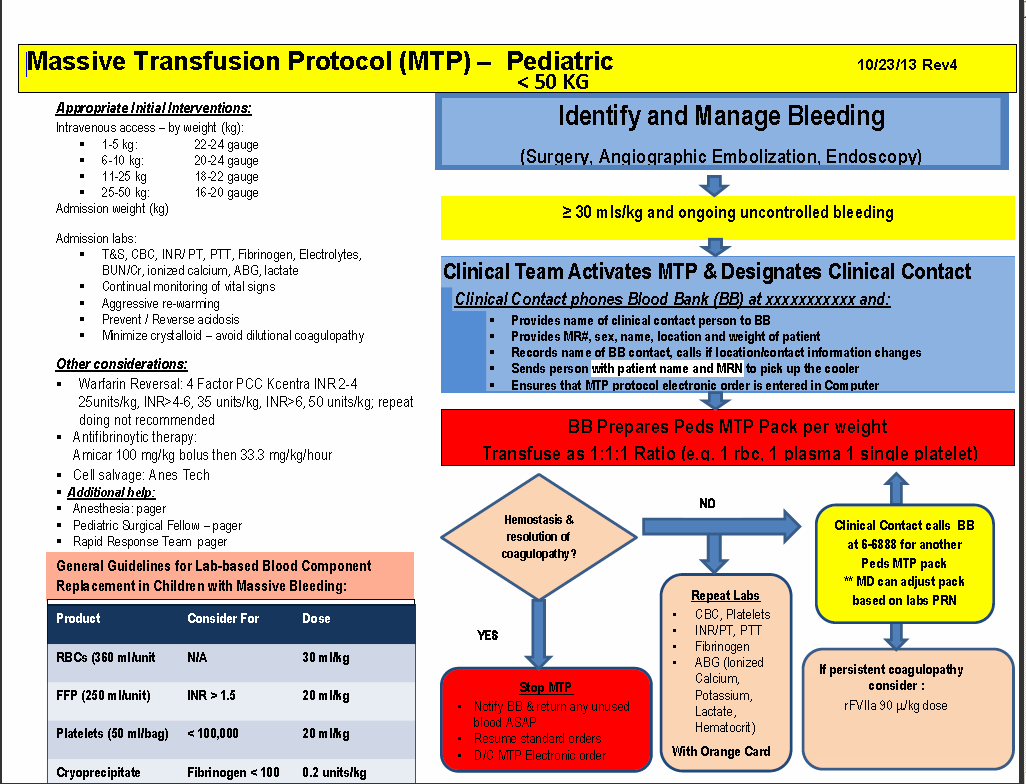
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Protocol** | **Red Cell Units** | **Plasma** | **Platelets** | **Cryoprecipitate** |
| **Adult** | 6 | 4 | One (1) 5- pack | One five pack |
| **Pediatric** |  |  |  |  |
| 0-10 kg | 1 | 1 | 1 | 1 |
| 11-20 kg | 2 | 2 | 2 | 2 |
| 21-30 | 3 | 3 | 3 | 3 |
| 31-40 | 4 | 4 | 4 | 4 |
| 41-50 | 5 | 5 | One (1) 5- pack | One (1) 5 pack |
| >50 kg | See adult protocol | | | |

# **Laboratory Test Orders**

* The first massive transfusion pack will contain a set of orange cards with the phrases “MASSIVE TRANSFUSION PROTOCOL Phone Coagulation Results to \_\_\_\_\_\_\_\_\_\_\_”.
* The clinical team will fill in the phone number/pager.
* This card is to be placed in the bag with blood specimens sent to Specimen Processing to indicate that the specimens should be treated as STAT specimens and Coagulation results should be called to the clinical team.

# **Exhibits**

**The Massive Transfusion Protocol (MTP)- Pediatric (See Appendix 1)**



# **References**

**Adult**

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**Pediatric**

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5. Nester T and Kang M. Guidelines for pediatric transfusion at HMC. Online document for Harborview Medical Center, University of Washington 2003. www.cbbs.org/enf/attachments/ped\_txprotocol\_nov08.pdf

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***Please direct any questions and concerns to the Transfusion Committee***