

Optimizing Ordering Blood and Blood Products – New BPA

New decision support for ordering red blood cells and plasma is in place to promote best practice.

When ordering Red Blood Cells and Plasma, if the patient does not meet identified criteria you will receive a BPA with a display of the patient's HGB and a recommendation for ordering or to hold ordering for now.

These BPAs will not fire for any provider when logging into a perioperative area to assure OR work is not interrupted.

Red Blood Cell Exclusion Criteria

BP Exclusion Criteria:

Will **NOT** fire if the patient has an abnormal low blood pressure and is at least 13 years old:

 Diastolic BP < 60 or Systolic BP < 90 IF the patient is > or equal to 13 years of age

Hemoglobin Exclusion Criteria:

Will not fire if the patient has a:

• HGB < 8 in the last 24 hours - for any patient

Steps to Follow

1. Order your blood/blood product

2.If your patient meets the exclusion criteria you will proceed as normal with your order with no BPA

3. If your patient does not meet the exclusion criteria as noted above, you will see a newly formatted BPA pop up.

- **Remove** (the following orders) will be preselected
- Click Accept to close the order without ordering any blood



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Order Sets						2			
	BestPractice Advisory - Dashboard, Transfusion								
	Hig	gh Priority (1)	*						
Blood Bank Tes		(1) Your patient does not meet criteria for RBC transfusion based on best-practice evidence.							
Pre-Transfusion									
Post-Transfusio		Strong evidence suggests that in hemodynamically stable, non bleeding patients, transfusions are not indicated with a hemoglobin greater than or equal to 7 gm/dL or 8 gm/dL for patients with cardiac disease.							
 Medications 									
Routine treatmen		Lab Results							
Medications to		Component Hemoglobin		Value 8	Date 03/18/2020				
Medications To		, and the second s		-					
Medications To	3	Remove the following orders?							
▼ Transfusion Orde		Remove	Keep	Routine, Transfuse 1 Un	- Units containing Transfuse F its	RBC (Units): 1 Units			
Blood Products		Acknowledge Reason							
Red Blood Cell		5							
Red Blood (Acute blood loss Symp	tomatic anemia	Other clinical indication					
					4				
Transfuse					_	✓ <u>A</u> ccept			
l ľ						1.1.1.1.1			

4. If, based on other clinical criteria you determine the patient still needs the blood:

- Click Keep
- Select the Acknowledge Reason appropriate for your patient this is a hard stop!
- Click Accept
- Proceed with ordering the blood

BestPractice Advisory - Dashboard, Transfusion								
High Priority (1)			*					
Your patient does not meet criteria for RBC transfusion based on best-practice evidence.								
feedback:©©® Strong evidence suggests that in hemodynamically stable, non bleeding patients, transfusions are not indicated with a hemoglobin greater than or equal to 7 gm/dL or 8 gm/dL for patients with cardiac disease.								
Lab Results	Value	Date						
Component Hemoglobin	value 8	03/18/2020						
ronogiosin	Ŭ	00,10,2020						
Remove the following orders?								
Remove Keep	Routine, Transfuse 1 Unit	- Units containing Transfuse RBC (Ur s	nits): 1 Units					
Acknowledge Reason Acute blood loss Symptomatic anemia Other clinical indication								
			✓ <u>A</u> ccept					

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Plasma Exclusion Criteria

Plasma Exclusion Criteria

Plasma BPA will not fire if the patient has an:

• INR < or equal to 1.7 in the last 24 hours

Steps to Follow

1. The Plasma BPA will work the same way as the Red Blood Cell BPA and will default to **REMOVE** if the patient does not meet the exclusion criteria

BestPractice Advisory - Dashboard, Transfusion								
High Priority (1)			*					
(1) Your patient does not meet criteria for FFF	o transfusion based on be	st-practice evidence.						
feedback:@@@ Strong evidence suggests that FFP transfusion is not required in patients with minimally elevated INR (less than or equal to 1.7) to prevent bleeding or prior to procedure AND does not completely correct INR.								
Lab Results								
Component	Value	Date						
INR	1.7	03/18/2020						
Remove the following orders?								
Remove Keep	Routine	ntaining Transfuse FFP (Units)						
Acknowledge Reason								
Active bleeding Apheresis / exchange	Other clinical indication]						
			✓ <u>A</u> ccept					