

#### recommendations RBC transfusion





Clinicians

Try to formulate

An indication - Hb/Hct - 10/30

This rule



Not based on

Direct clinical evidence

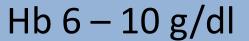
## **College of American Pathologists**

Hb < 6 g/dl

always

Hb > 10 g/dl

rarely



depend on



- Extend of blood loss
- Underlying diseases
- Clinical status

first by correcting hypovolumia through infusion of crystalloids and colloids

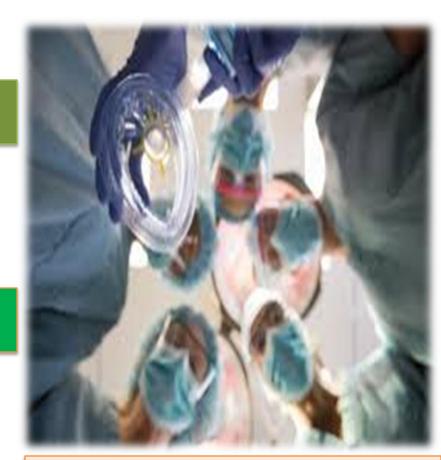
#### **American Society of Anesthesiologists**

Hb < 6 g/dl

usually

Hb > 10 g/dl

rarely



Hb 6 - 10 g/dl

Evidence of

- ischemia
- bleeding
- intravascular volume
- cardiopulmonary reserve

#### **Thoracic Surgeons and Cardiovascular Anesthesiologists**

Hb < 7 g/dl

reasonable

Hb > 10 g/dL

not recommended

Hb ≤10 g/dL

unreasonable in certain patients



### **Society of Critical Care Medicine**

Hb < 7 g/dl

as effective as

Hb < 10 g/dl

a "restrictive" strategy

a "liberal" strategy

in haemodynamically stable patients

# HELP SAVE A LIFE + GIVE THE GIFT OF BLOOD

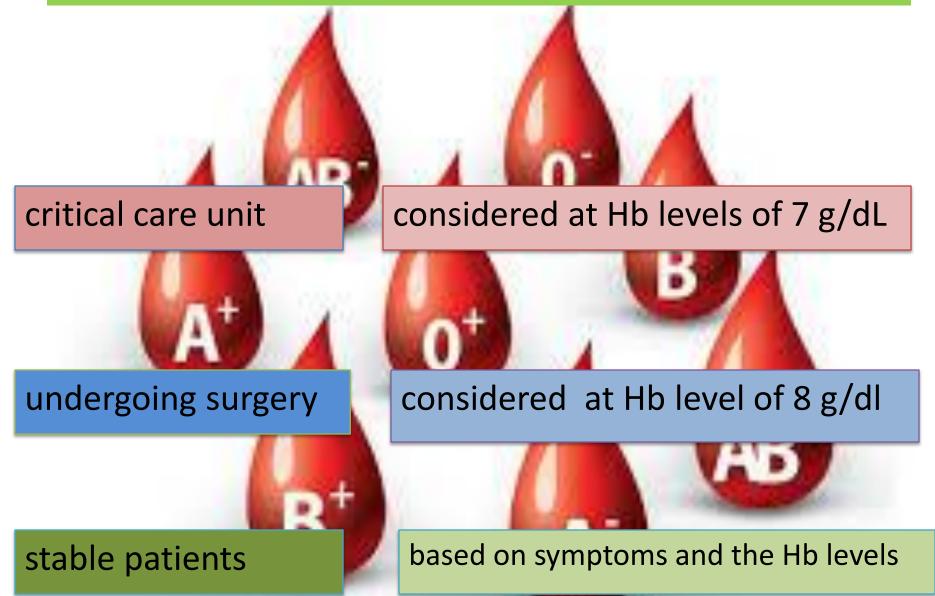


acute coronary syndrome

beneficial with Hb <= 8 g/dl

no benefit with Hb > 10 g/dl

#### **American Association of Blood Banks**



#### Implementing better transfusion practices

#### 1. Acute Anaemia

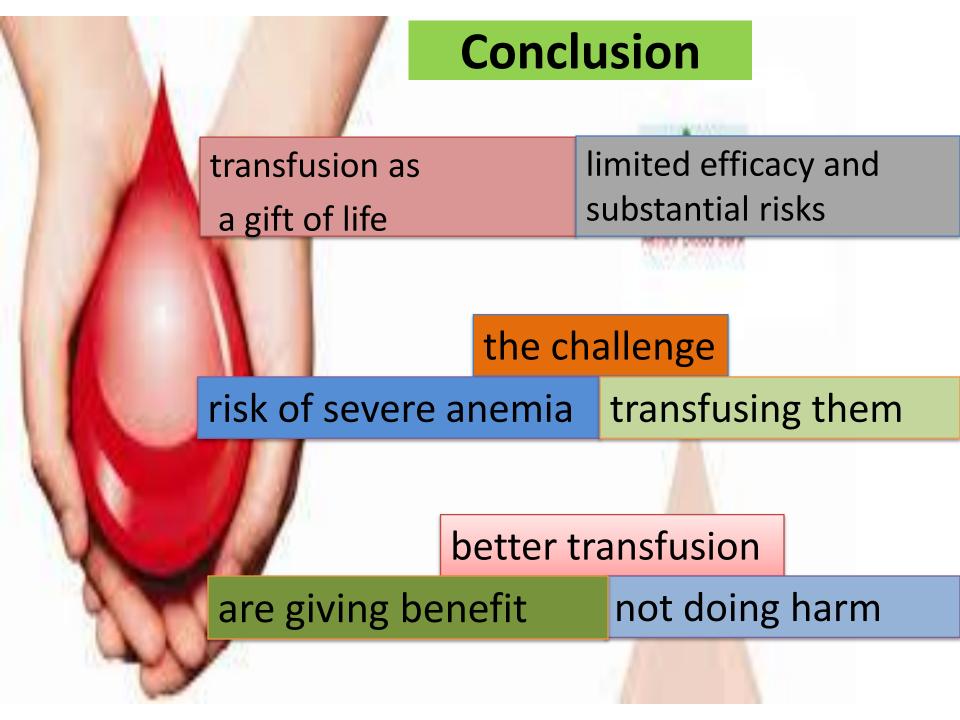
(Before considering transfusion, all efforts should be made to control active bleeding)

- Acute blood loss and symptomatic (Loss of >30% of estimated blood volume with Hb <7 mg/dL; tachycardia or hypotension not corrected by fluids alone, or mixed venous O<sub>2</sub> saturation <55%)</li>
- Evidence of ACTIVE ischaemia (New ECG changes AND symptomatic)

#### 2. Chronic Anaemia

(Treatable cause of anaemia should be ruled out first: iron/folate/B<sub>12</sub> deficiencies; consider using erythropoiesis-stimulating agents)

- Patient symptomatic
   (Tachycardia or hypotension not corrected by fluids alone, or mixed venous O<sub>2</sub> saturation <55%)</p>
- Patient is undergoing active treatment anticipated to cause significant anaemia



## Thanks for listening

