Forty-first
Ask OBI Anything (AOA)

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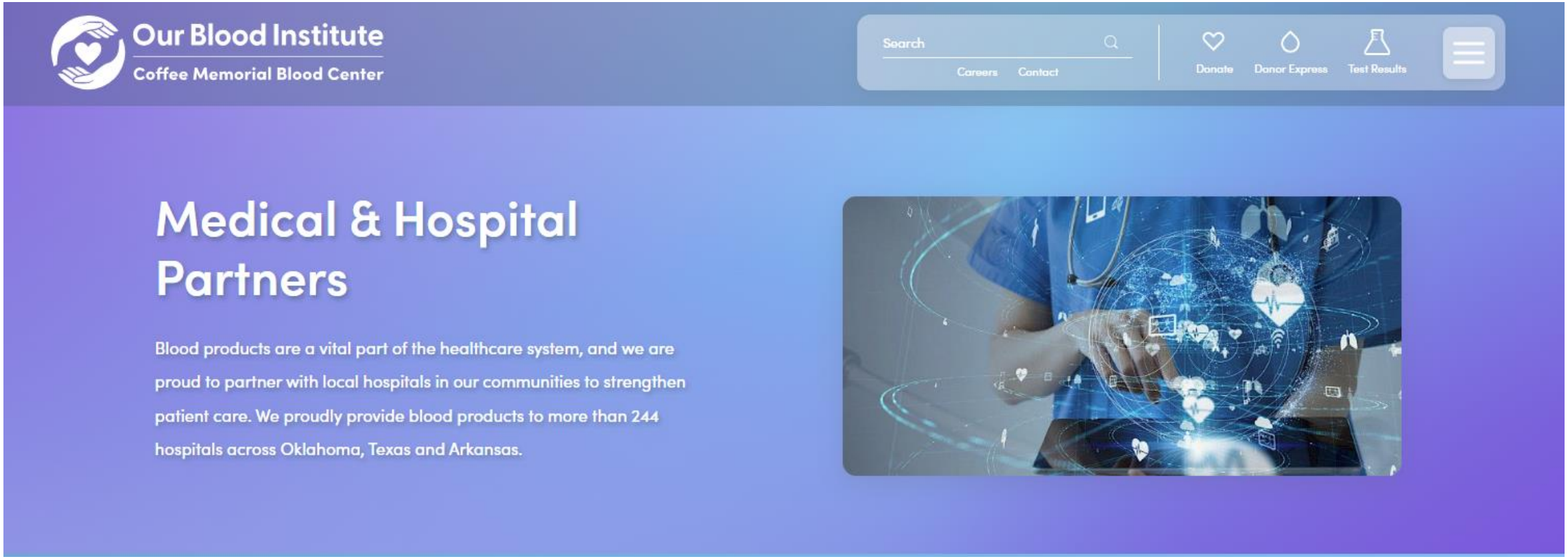
Our Blood Institute

Objectives

- Welcome
- Transfusion Section Website
- Response to Questions – When are hemoglobin S negative products indicated?
- Education – Differentiating between TACO and TRALI
- Blood Drives/ System Inventory Status

Website



https://ourbloodinstitute.org/hospital/

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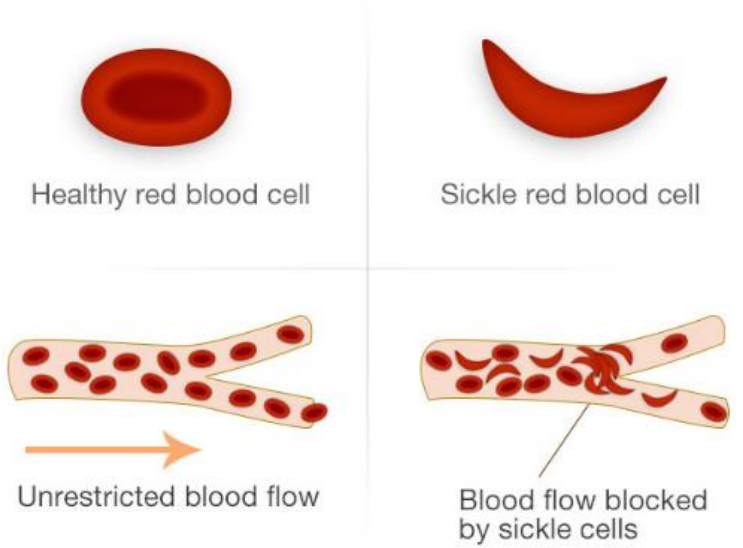
Ask OBI Anything – Response to Questions

When are hemoglobin S negative products indicated?

- Hemoglobin S is a variant hemoglobin that can cause red cells to become deformed or “sickled” and block circulation when exposed to reduced oxygen concentration in the blood stream
- These patient populations should not receive red blood cells containing hemoglobin S:
  - Patients with sickle cell disease
  - Intrauterine transfusions
  - Exchange transfusions



https://thalassaemia.org.cy/haemoglobin-disorders/sickle-cell-disease/

See OBI-CL-SOP-1032 Policies for Providing Transfusion Support in Special Circumstances for more information.

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Education – Differentiating between TACO and TRALI

- Transfusion-associated circulatory overload (TACO) and transfusion-related acute lung injury (TRALI) can present with overlapping symptoms, including difficulty breathing (dyspnea) and decreased SpO2 saturation (hypoxia)

- Given this potentially similar clinical picture, how do you tell the two apart?

AABB. (2026). AABB Technical Manual, 22nd Edition.

Education – Differentiating between TACO and TRALI

Reaction Type	Blood Pressure	Other Signs/ Symptoms	Pulmonary Edema	Response to Diuresis	Onset
TACO	Increased	Increased heart rate, jugular venous distention, S3 gallop, ECG changes, increased BNP	Cardiogenic	Yes; rapid	Within 12 hours of transfusion
TRALI	Decreased	Fever, chills, transient neutropenia or leukopenia	Not cardiogenic	Less noteable	Within 6 hours of transfusion

AABB. (2026). AABB Technical Manual, 22nd Edition.

Blood Drive/Blood Need

- **Past Drives**
  - OCOM – 5 donors!
  - Electra Memorial Hospital – 23 donors with 2 first time donors!
  - Tulsa Spine & Specialty Hospital - 8 donors with 1 first time donor!
  - Pushmataha Hospital – 29 donors with 1 first time donor!
- **Upcoming Drives**
  - Haskell Regional Hospital – Oct 22nd
  - Mercy Edmond I-35 – Oct 22nd
  - Summit Medical Center – Oct 23rd
  - Mercy Rehabilitation Hospital – Oct 26th

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Thank you

The End

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