

# Seventeenth Ask OBI Anything (AOA)

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# Objectives

- Welcome
- Updates to the Transfusion Section Website
- Response to Questions – Why do I need two separate draw times?
- Education – Transfusion-Associated Graft-vs-Host Disease (TA-GVHD)
- Blood Drives/System Inventory Status

# Website

- <https://ourbloodinstitute.org/hospital/>

# Ask OBI Anything – Response to Questions

## Why do I need two separate draw times?

AABB standards state “There shall be two determinations of the recipient’s ABO group as specified in standard 5.14.1. The first determination shall be performed on a current sample, and the second determination by one of the following methods:

- 1) Comparison with previous records. – If OBI has a history, no second sample is needed! Call your reference lab if you would like to check if we have a history.
- 2) Testing a second sample collected at a different time from the first sample, including a new verification of patient identification.
- 3) Retesting the same sample if patient identification was verified at the time of sample collection using an electronic identification system.” - Since we are a reference lab and do not share an LIS with our transfusion services, this is not an option for us.

This helps ensure the correct patient is being phlebotomized and appropriate blood products are selected for transfusion. OBI must have two determinations of the patient's blood type before products will be released.

See OBI-CL-SOP-1042 Pre and Post Transfusion Guidelines for TS Clients for more information.

# Education – Transfusion-Associated Graft-vs-Host Disease (TA-GVHD)

- T-cells in transfused product target recipient's tissues
  - Rare (<1 per million transfusions) but usually fatal
- Risk factors:
  - Bone marrow transplant, leukemia, lymphoma, myeloablative chemotherapy
  - Congenital immune disorders: SCID, Wiskott-Aldrich syndrome, DiGeorge syndrome
  - Premature or low birthweight neonates, intrauterine transfusions
  - HLA-matched products, donations from blood relatives, granulocytes

# Education – Transfusion-Associated Graft-vs-Host Disease (TA-GVHD)

- Potential signs/symptoms:
  - Usually develop 8-10 days after transfusion
  - Fever
  - Rash
  - GI: anorexia, nausea/vomiting, diarrhea, elevated liver function tests (AST, ALT)
  - Cytopenias
  - Sepsis
  - Death (usually within 1-3 weeks of first symptoms)
- Management:
  - Rare cases of successful treatment with stem cell transplant
- Prevention:
  - Irradiation (or pathogen inactivation) of blood products for at-risk recipients

# Blood Drive/Blood Need

- Past Drives

- Anadarko Hospital – 11 donors, and 2 were first-time donors!
- Mangum Community – 19 donors!
- Select Specialty Hospital – 7 donors!
- Mercy Edmond I-35 – 9 donors, and 1 was a first-time donor!
- Electra Memorial Hospital & Community – 3 donors!
- Clinton Regional Hospital – 10 donors, and 3 were first-time donors!

- Upcoming Drives

- Rural Wellness Fairfax – March 18<sup>th</sup>
- OCOM – March 19<sup>th</sup>



# Thank you

The End