Transfusion Related Acute Lung Injury (TRALI)

TRALI is a clinical diagnosis in which the blood bank can assist in the diagnostic evaluation/donor look back investigation.

The Canadian Consensus Conference Definition of TRALI is:

1. Acute lung injury (ALI) in the setting of transfusion
2. Development of Hypoxemia
   
   \[ \text{Ratio of } \frac{\text{PaO}}{\text{FiO}} \leq 300 \text{ or} \]
   
   \[ \text{SpO} < 90\% \text{ on room air} \]
3. Chest X-ray findings of new onset bilateral infiltrates
4. No evidence of left atrial hypertension (i.e., circulatory overload)
5. No preexisting ALI before transfusion
6. During or within 6 hours of transfusion

No temporal relationship to an alternative risk factor for ALI