

Dynamics of Sepsis

Purpose: The purpose of this project is to study if DNA/RNA found in the blood can be used to noninvasively track organ damage and immune dysfunction/exhaustion, during sepsis.

What Is Involved: Blood will be collected during your admission twice during weeks 1 and 2 and once a week for weeks 3 and 4 (for a maximum total collection of six samples, across four weeks). At each collection, we will obtain approximately 20 mL of blood.

Inclusion Criteria: Patients who are at least 18 years old who have been hospitalized with a diagnosis of sepsis and either they or their LAR are able to understand and willing to sign an IRB-approved written informed consent document will be enrolled to this study. We will utilize the Third International Consensus Definitions for Sepsis as our basis for identifying the presence of sepsis which will be documented on the Evaluation for Sepsis form.

Exclusion Criteria: Patients will not be enrolled if they are anemic (Hgb < 7.0) or have transfusion requirements.

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