Congenital Hemolytic and Dyserythropoietic Anemias

Status: RECRUITING

Eligibility Criteria

Sex: ALL
Age:
Healthy Volunteers: This study is NOT accepting healthy volunteers
Inclusion Criteria:

1. Patients who have been diagnosed, by medical history and review of the laboratory data obtained for clinical care, including CBC/reticulocyte count and review of the blood smear, with a hereditary hemolytic anemia, where the genetic etiology is challenging to be identified.
2. Parents and/or grandparents of children that have the above diagnosis. The parents and/or grandparents may or may not have non-immune hemolytic anemia (these will serve as positive or negative inherent controls)

Exclusion:

1) Patients with anemias known to be acquired and not associated with a genetic etiology.

Conditions & Interventions

Conditions:
Hemolytic Anemia

More Information

Description:
The main reason for this research study is to further understand how some red blood cells are formed incorrectly or they have an abnormal metabolism in a way that they break easier in the circulation or during their passage through the spleen. Participants and/or family members diagnosed with non-immune hemolytic anemia due to a genetic disorder, such as, hemoglobin disorder, erythrocyte membrane skeleton disorders (e.g. spherocytosis, elliptocytosis, or stomatocytosis) or hydration defect (e.g. xerocytosis, overhydrocytosis) or red blood cell (RBC) enzyme disorders, or with a congenital dyserythropoietic anemia (CDA) will be asked to participate.

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