Reading Hospital
TOWER HEALTH
Advancing Health. Transforming Lives.

PennState Health
Milton S. Hershey Medical Center

CLINICAL TRIALS OFFICE
research@towerhealth.org
DOB, Suite 355
484-628-8585

Full Title	Evaluation of Immune Response and Antigen Signature of Patients with Babesia Infection in Pennsylvania with the Aim of Developing a Rapid Diagnostic Test
Principal Investigator	Debra Powell, MD
Sub-Investigators	Wendy Babitt, MD Kedesha Subliss, MD
Study Objectives	The purpose of this study is to gather data for the development of a bedside rapid diagnostic test for the detection of Babesia microti infection. Identify the major antigens that are targets of IgM antibody responses in patients with Babesia at the time of diagnosis and after treatment via proteomic microarrays
Inclusion Criteria	Patients are eligible to be included in the study if they are capable of providing informed consent, are a male or female at least 18 years of age at the time of consent, and have a confirmed diagnosis of Babesiosis per the CDC case definition of Babesiosis.
Exclusion Criteria	For patients with acute Babesiosis, excluded patients will include: • Do not meet the CDC criteria for Babesiosis or patients that have negative blood smears or negative PCR at the time of initial blood draw For our healthy control patients, excluded patients will include: • History of splenectomy • History of HIV • On immunosuppressive medications • History of liver disease • History of kidney disease • History of diabetes
Affiliations & Sponsors	Penn State University, Hershey
Status	Open to enrollment
Keywords	Babesia, babesia microti infection, babesiosis