

**MERITER IRB #:** 2019-017

**RESEARCH PROTOCOL TITLE:** Pre-eclampsia: Inflammatory Cytokine Profile Changes with in Vitro Exposure to Vitamin C and Brachial Artery Fluid Dynamic

**PRINCIPAL INVESTIGATOR:** Jesus Igor Iruretagoyena, MD

**STUDY PURPOSE**

The purpose of this study is to better understand the inflammatory cytokine profile released by the maternal immune cells in patients with preeclampsia, how the cytokine profile changes after exposure to vitamin C, and to model the changes in maternal vascular reactivity associated with preeclampsia

**RESEARCH PROCEDURES**

Enrolled patients will have four tubes of blood drawn (about 3 teaspoons) Each patient will also have two ultrasounds performed on her upper arm; the first one as a baseline measurement and the second one after inflating a blood pressure cuff on the lower arm. The research staff will also review the patient's medical records

**ELIGIBILITY CRITERIA FOR SUBJECTS**

1. Pregnant female who is older than 18
2. Diagnosis of preeclampsia with severe features
3. Pregnant with one baby
4. 24-36 weeks pregnant
5. Able to speak English

**COMPENSATION/REIMBURSEMENT**

Enrolled patients will not receive reimbursement for participation in this study.

**RESEARCH LOCATION**

UnityPoint Health-Meriter Hospital  
202 S. Park St.  
Madison, WI 53715

**CONTACT PERSON**

Jenna Racine, MD

**PHONE:** 608-417-6099