

2022 Research and Education Grants

RESEARCH

AT GOAL: Adopting Technology for Glucose Optimization & Lifestyle in Pregnancy (\$40,176)

To support a new, randomized clinical trial to investigate the use of continuous glucose monitors (sensors) in pregnant patients with Type 2 diabetes.



Cytokine Induced Antigen Presentation as a Source of Endothelial Dysfunction in Preeclampsia (\$48,541)

To determine if the endothelial dysfunction already known to underlie hypertension in preeclampsia is caused by a change in the fundamental nature of the endothelial cells, taking them from a vasodilatory state to an antigen presenting state. The study utilizes in vitro modeling and the development of a new full spectrum flow cytometry assay with a goal of developing new therapeutic strategies to predict and treat preeclampsia.

Developing a Novel Diagnostic Test for the Early Detection of Preeclampsia (\$79,974)

To support a research project that will investigate a novel approach to develop specific biomarkers for early and efficient detection of preeclampsia. Preeclampsia is a major disorder of pregnancy that has severe health effects on mother and baby. Currently, there are no effective cures for this disorder or biomarkers that can be used for early clinical diagnosis.

miRNA Regulation of Fetal Endothelial Function (\$49,805)

To examine how miRNAs control endothelial function to determine if these miRNAs and their target genes can be used as therapeutic targets and as risk predictors for adult-onset cardiovascular disorders in children born to women with preeclampsia.

PROMMO Trial: Induction of labor in women with ruptured membranes (\$10,800)

To extend a study to evaluate optimal management of women presenting with pre-labor rupture of membranes and an unfavorable cervix.

SSRI Exposure during Gestation: Earlier Birth, Low Birth Weight or Small for Gestational Age (\$13,524)

To support a retrospective, multiple cohort dataset analysis to improve postpartum care when neonates measure small for gestational age (SGA). The risk for SGA is higher after preexisting maternal hypertension and/or preeclampsia in pregnancy. Ten percent of pregnant women are treated with selective serotonin reuptake inhibitors (SSRIs) and interaction between the hypertensive medication beta blockers and SSRIs are reported in other populations. As part of an overall goal to prevent complications in SGA babies, this study will examine fetal growth after concurrent SSRI and beta blocker administration.



EDUCATION

American Conference Rehabilitation Medicine Conference (\$6,400)

To send eight members of leadership team to a national conference.

American Geriatric Society Annual Conference (\$7,109)

To send three staff to the annual conference.

American Society of Perianesthesia Nurses (ASPAN) National Conference (\$10,000)

To send up to three nurses to a national conference.

American Physical Therapy Association (APTA) Combined Sections Meeting (\$6,900)

To send four physical therapists to a national conference.



Breastfeeding Education in the NICU (\$3,500)

To purchase a 2-hour lactation education module, *Breastfeeding the Premature Infant*, for 140 nurses.

Certified Emergency Nurse Test Preparation (\$5,800)

To provide funding for 10-15 Emergency Department (ED) nurses to take the test-prep course.

Complex Pain Case Management Conference (\$5,000)

To bring together a multi-disciplinary team to review cases of patients managing co-morbidities and complex pain, often including the long-term use of opioids.

Ethics Committee Education and Conference (\$8,500)

To support education on complex medical challenges faced by clinicians when ethical principles compete during patient care.

General Movements Assessment Certification (\$2,535)

For certification in Precht's Method on the Quantitative Assessment of General Movements for physical therapists serving the NICU and outpatient pediatric therapy.

Hematology Group Learning (\$27,699)

To purchase a side-by-side microscope with camera and monitor for group learning.

Medical Grand Rounds (\$10,800)

To support delivery of six continuing medical education sessions to medical staff on critical areas of practice to improve clinical performance, alignment with organizational goals and patient outcomes.

National Association of Perinatal Social Workers Conference (\$3,750)

To send three social workers to the national conference.

Trauma-Informed Care Professional Certification (\$8,156)

To enroll two inpatient occupational therapists in Trauma-Informed Care Certification training.

Trust-based Relational Intervention (\$5,000)

To send two pediatric occupational therapists to attachment-based, trauma-informed intervention certification.



PILOT PROGRAMS

Advanced Team-Based Care Pilot Program at Stoughton Clinic (\$29,326)

To provide additional second-year support for a pilot to redesign clinic workflow by utilizing a scribe to manage documentation and administrative duties to allow providers to work at their highest level of licensure.

Kangaroo Care Wraps (\$6,912)

To pilot use of a product to support the use of kangaroo care (skin-to-skin contact) by all families whose infant is hospitalized in the NICU. The wraps support the baby in skin-to-skin contact with a parent and assist in providing securement for safety of the infant during transfer and holding, as well as ease and comfort for the family during holding.

Self-Care for Antepartum Patients (\$1,000)

To pilot a program to support patients who are on the antepartum unit for extended periods due to conditions that require monitoring.

Tele-hospitalists Program (\$178,886)

To partially fund a pilot program that will staff an off-site hospitalist overnight from 7 p.m. to 7 a.m. to answer calls from nursing staff (cross-cover), proactively monitor the hospitalist patients for worsening conditions, cover rapid responses and codes remotely, as well as admissions.

