**BACKGROUND**
- Research is an essential part of the tri-fold academic mission
- Institutions that excel at research attract and retain the best faculty
- Patients want to participate in clinical research that may benefit them or society
- Multiple barriers exist to performing clinical research in clinical space
- Crucial need for multidisciplinary research to address high rates of pregnancy complications

**PURPOSE**
- Facilitate interdisciplinary research initiatives involving pregnant population within the outpatient clinical environment
  - Practical and feasible for patients, clinical staff, and investigators
  - Enhance the quality of research being performed

**METHODS**
1. Survey of barriers to performing multidisciplinary research in pregnancy
2. Understand how interdisciplinary research in pregnancy is supported in other Academic medical centers
3. Establish process for review and support of multidisciplinary research in pregnancy with metrics of success

**RESULTS/OUTCOMES**
- Survey results: Lack of space, disruption of clinical work-flow, waste of time, patients and staff not interested, lack of involvement by OB faculty, low impact of research
- Establishment of OB outpatient research committee (11 members)
- Establishment of Bylaws and committee positions, voting procedures

**RESULTS/OUTCOMES**
- Investigator contacts OB research committee
- Submits formal proposal with designated Ob/Gyn collaborator/"champion"
- Review by committee members
- Investigator presents proposal at monthly meeting
- Committee meets to discuss proposal
  - Feasibility of approach, study design, sample size
  - Determine if multiple sites are recruiting the same patients

**DISCUSSION/NEXT STEPS**
- Follow-up Survey of stakeholders-investigators, clinical staff, hospital leadership, patients
- Incorporate feedback to continue to enhance support
- Track number of grants, research projects, publications and grant funding yearly
- Present work at "OBGYN Research in Progress" meetings
- Expectation to provide annual progress to Research Committee

**CONCLUSIONS/IMPACT**
- Great interest across University for multidisciplinary projects
- Increase in number of multidisciplinary projects from 0 to 11
- Enhanced satisfaction, engagement and support of OB clinical staff/faculty of research
- Next steps to collaborate with basic and translational researchers
- Expand to outpatient sites across YNHH system sister hospitals

Presented at the 2021 ELAM® Poster Session

**Research Collaboration with Other Departments**

<table>
<thead>
<tr>
<th>Dept/School</th>
<th>Title</th>
<th>Funding</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anesthesiology</td>
<td>Sleep disorders, hypertension studies</td>
<td>Internal</td>
</tr>
<tr>
<td>Pediatrics/Yale SPH</td>
<td>Efficacy and Safety of RSV Vaccine</td>
<td>Industry</td>
</tr>
<tr>
<td>Psychiatry</td>
<td>Perinatal Intervention for Smoking</td>
<td>NIH</td>
</tr>
<tr>
<td>Psychiatry</td>
<td>Pregnant Women with Opioid Use Disorder</td>
<td>PCORI</td>
</tr>
<tr>
<td>School of Nursing</td>
<td>Physical activity and sedentary behavior and GDM</td>
<td>Internal</td>
</tr>
<tr>
<td>Child Study Center</td>
<td>Stress and opioid use following pregnancy</td>
<td>NIH</td>
</tr>
<tr>
<td>Yale Institute for Global Health</td>
<td>COVID vaccine uptake</td>
<td>CDC</td>
</tr>
<tr>
<td>Adult Endocrinology</td>
<td>Lactation effect on insulin sensitivity and lipolysis</td>
<td>NIH</td>
</tr>
<tr>
<td>Pediatric Endocrinology</td>
<td>Glycemic Observation Metabolic Outcomes</td>
<td>NIH</td>
</tr>
<tr>
<td>Yale College Ecology &amp; Evolutionary Biology Dept</td>
<td>Environmental stress and birth outcomes</td>
<td>Internal</td>
</tr>
<tr>
<td>Medical Genetics</td>
<td>Genomics of recurrent pregnancy loss</td>
<td>NIH</td>
</tr>
<tr>
<td>YNHH Bridgeport Hospital</td>
<td>Maternal-Fetal Medicine Units Network</td>
<td>NIH</td>
</tr>
</tbody>
</table>