Rationale for Elective:
High Risk Obstetrics elective is a unique opportunity for medical students to experience management of high risk pregnancies. The student will spend time on the labor floor, in ultrasound clinic, and will be on call throughout the entire elective for admissions of high risk patients. The student will be expected to manage and follow patients during their antepartum and postpartum care.

Students will rotate at Covenant Healthcare in Saginaw, MI during their elective. Covenant Healthcare averages more than 2,500 deliveries a year. Students will be exposed to a wide variety of high risk pregnancies including fetal growth restriction, pre-eclampsia/eclampsia, gestational diabetes, and various other high risk conditions. This elective will provide necessary skills for students interested in Obstetrics and Gynecology as a career and those students that wish to learn more about this field and the experiences that come with it.

Summary Objectives:
During the High Risk Obstetrics elective the student will:
- Describe how certain medical conditions affect pregnancy and how pregnancy affects certain medical conditions.
- Counsel patients regarding history and risk of genetic abnormalities.
- Counsel patients regarding genetic screening options.
- Understand risk factors, pathophysiology, diagnosis and management of certain pregnancy-related disorders (pre-eclampsia, preterm labor, PPROM, alloimmunization, TORCH infections, fetal growth abnormalities, etc.)
- Understand and perform ultrasound studies in obstetrics.
- Understand and assist with certain obstetrical procedures (Amniocentesis, Middle Cerebral Artery Dopplers, Cerclage, Per-umbilical Cord Blood Sampling, etc.).

Instructional Methods:
Students will rotate at Covenant Healthcare where they will become a part of the OB team. Students will work with CMU faculty, community faculty, residents, and nursing staff to provide the best possible care for their patients. Students will learn how to admit patients, manage high risk
pregnancies, and learn various treatment for different high risk conditions. This method of teaching will allow the student to participate in team based care. Students will receive feedback from nursing staff, residents, CMU faculty, and community faculty.

Students will participate in the department’s didactic sessions. In these sessions, students will participate in lecture series, article and chapter reviews, simulated cases, hands-on procedural skills instruction, and topic discussions.

**Orientation to Elective:**
The student will have a one-hour orientation meeting with the Resident Liaison and the Residency Administrative Assistant at the beginning of their elective. This is usually held before the student starts any clinical responsibilities. The orientation will include an overview of the student manual, explanation of the student’s role during the elective, requirements for successful completion, and specific details about the student’s schedule. The meeting will discuss the objectives, reading list, and assignments. The students receive a detailed student manual that includes tips for successful completion of the elective, information regarding the department and community faculty, and examples of notes. The session will be held in the OB/GYN conference room and correspondence about this to the students is through our residency administrative assistant. The student will be scheduled for scrub training at Covenant Healthcare.

**Prerequisites:**
The students must have successfully completed the Year 3 Obstetrics and Gynecology clerkship before taking the High Risk Obstetrics elective. Visiting students: 4th year standing.

**Method(s) for assessing learner:**
The student will be evaluated throughout the entire month of the elective. The primary source for evaluation will come from resident and faculty experience of working with the student. The student will be evaluated based on their performance during their elective with specific focus on assertiveness, active participation in patient care and didactic sessions, and student professionalism. The student will prepare a case to be presented during morning didactics. The student will be assessed on their knowledge of the case and their presentation skills. The student will be evaluated by residents and faculty in attendance. The student must receive a composite score of “good” for the assignment to be considered passing.

The Clerkship Director will complete an evaluation on the student at the completion of the elective. This evaluation will be a composite evaluation including comments from nursing staff, residents, and faculty. The evaluation will be graded heavily on the student’s performance, participation during the elective, and their professionalism. The student will be assessed in accordance to APGO and ACGME competencies of a first year OB/GYN resident. Direct comments and examples will be used to support the grade received. The nature of the grade will be determined by the grading scale of the evaluation from the student’s medical school.
The medical student rotating in Obstetrics and Gynecology shall meet the following minimum criteria to receive a passing grade on the elective:

- He/she must be present at all scheduled shifts in accordance with the time off policy.
- He/she must participate in patient care and clinical activities in a satisfactory manner.
- He/she must attend at least 70% of the scheduled conferences.
- He/she must complete all the required clerkship paperwork.

He/she must be able to:

- Be present, prepared, and on time for rounds, lectures, conferences, and procedures.
- Consistently display integrity, honesty, empathy, caring, fairness, respect for self and others, diligence, and dedication.
- Promptly complete all assignments and responsibilities attendant to the diagnosis and care of patients.
- Develop mature, sensitive, and effective relationships, not only with patients but with all members of the healthcare team.
- Adapt to changing environments, display flexibility, and be able to learn in the face of uncertainty.
- Take responsibility for themselves and their behaviors.
- Recognize that involvement in patient care is a privilege and must be treated this way at all times.
- Embrace a service orientation toward patient care.
- Appreciate and preserve patient confidentiality.
- Respond sensitively to patients’ social and psychological issues.
- Understand social biases and stigmas, and not reinforce them.
- Accept constructive feedback from attending physicians and residents with open-mindedness and the intention to improve.

Method(s) of evaluating elective:
The student will receive a survey at the end of their elective to evaluate their experience in the Obstetrics and Gynecology Department. The survey includes evaluation of teaching and time spent by residents and faculty. The survey also includes evaluation of lectures and their experience on the OB floor. Students will have the opportunity to provide suggestions for the elective.

Required/Recommended Resources:
The students will be required to purchase or rent a copy of the following textbook for their elective:


It is recommended that the student review the following textbooks for didactics and conferences.

Elective Outline:

<table>
<thead>
<tr>
<th>Topic/Activities</th>
<th>Name of presenter (or place TBA if not yet available)</th>
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<tr>
<td>Patient Care: The medical student will be required to complete their assigned shifts in the Obstetrics and Gynecology Department. The students may need to stay past their scheduled shift to assist with patient care. The students will be supervised directly by nursing staff, residents, CMU faculty, and community faculty.</td>
<td>N/A</td>
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<tr>
<td>OB/GYN Didactics: The students will attend the weekly 5-hour didactic session. The sessions include all aspects of the OB/GYN core curriculum and there is an emphasis on interactive educational sessions. Lectures will be presented by OB/GYN residents, CMU Faculty, Community Faculty, Maternal-Fetal Medicine Specialists, Gynecology Oncologist, RE&amp;I Specialist, and other specialists.</td>
<td>N/A</td>
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<tr>
<td>Student-Focused Lectures: The student will participate in lectures and case reviews led by the Resident Liaison and Clerkship Director. Sample topics covered during case reviews include postpartum hemorrhage, infectious disease in pregnancy, fetal growth disorders, contraception, reproductive cycle, and infertility.</td>
<td>Resident Liaison and Clerkship Director</td>
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<tr>
<td>Suturing Skills (hands on)</td>
<td>Michelle Bader, CNM</td>
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<td>Birth Simulation (hands on)</td>
<td>Michelle Bader, CNM</td>
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<tr>
<td>Pelvic examination simulation (hands on)</td>
<td>Resident Liaison and Clerkship Director</td>
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