

# ***Applications of Artificial Intelligence & Machine Learning in Perinatal Research***

*Course Syllabus*

*2024-2025*

## **ONLINE COURSE**

### **MODULE 6**

Machine Learning

### **DATE/TIME**

Tuesday, April 29th, 2025  
13:30 to 16:30 EDT

### **LANGUAGE**

English

### **FREE REGISTRATION**

[www.camccol.com](http://www.camccol.com)

## **DESCRIPTION**

This course will showcase examples of how artificial intelligence (AI) and machine learning (ML) methods are being used in perinatal research. The instructor will discuss AI-ML methods, common challenges, and solutions. The attendees will get exposure to several examples from published and ongoing research projects within the Canadian Mother-Child Cohort (CAMCCO) that utilize AI-ML methodology.

## **LEARNING OBJECTIVES**

- Become familiar with commonly used AI-ML methodologies in perinatal research
- Identify strengths and limitations and common challenges of using AI-ML in perinatal research
- Understand the steps involved in designing an AI-ML study

## **PRESENTED BY**

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