

Directions to each Quiz Participant:

To obtain 0.5 MCEs per 20 to 25-minute Grand Round session, participants must successfully answer the 3 multiple choice questions associated.

Once complete, please submit this form to the OPC National Office at info@opcanada.ca.

Participant Name:	
Cert./Reg. #:	

Date of GBC Grand Rounds:	October 4, 2016
Title of Presentation:	3D Gait Analysis in Prosthetics and Orthotics
Name of Presenter:	Beatrice Lavergne

Question 1: A typical 3D gait analysis (motion capture) system is comprised of the following components:

- a) ECG sensors, force plates, and video cameras.
- b) motion analysis cameras, force plates, and ECG sensors.
- c) force plates, motion analysis cameras, and EMG sensors.
- d) wearable gyroscopic sensors, motion analysis cameras and ECG sensors.

Answer 1:

Question 2:
A 3D gait analysis yields the following data:

- a) spatiotemporal parameters and muscle activity
- b) kinetics and kinematics
- c) walking confidence index score
- d) a+b+c
- e) a+b

Answer 2:

Question 3:
The research limitations of prosthetics and orthotics 3D gait analysis research are:

- a) time consuming and gait measurement variability
- b) gait measurement variability and objective clinical interpretation
- c) system optimization for healthy patients and costly
- d) b+c
- e) a+c

Answer 3: