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THE HONG KONG
POLYTECHNIC UNIVERSITY
香港理工大學



康復治療科學系
Department of Rehabilitation Sciences

BEYOND WALKING:

EVENT DETAILS

15 OCT, 2026 (THURS)

- Face-to-face with practical session

START FROM 1900 TO 2130

**V322, THE HONG KONG
POLYTECHNIC UNIVERSITY**

FEE: FREE OF CHARGE

Participants will be able to:

- Identify common gait deviations and compensatory strategies following stroke.
- Differentiate functional walking improvement from recovery of gait kinematics.
- Apply principles of neuroplasticity, movement quality, and motor learning to gait rehabilitation.
- Describe how traditional gait training and robotic-assisted gait training can be integrated within a comprehensive rehabilitation program.
- Have hands on practice with exoskeleton device.

CPD CODE: AC1260058

CPD POINT: 3

CPD SUB-CATEGORY: CORE

RESTORING TRUE GAIT KINEMATICS
AFTER STROKE USING EXOSKELETON
TECHNOLOGY.

Course Description

This session explores the challenges of restoring gait after stroke, with a focus on the difference between improving function and restoring gait kinematics.

Participants will review normal and pathological gait, common compensatory strategies, and principles of effective gait rehabilitation. We will explore how traditional gait training and in combination with advanced technologies such as exoskeleton can be integrated to improve gait training using principles of motor learning and neuroplasticity.



Scan the code to sign up !

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SPEAKER INFORMATION

Janette Tartabini holds a Doctor of Physical Therapy from the University of Montana and a Master of Physical Therapy from The Ohio State University, USA. She has 20 years of clinical experience specializing in neurological rehabilitation and previously worked at Cleveland Clinic, with experience spanning the full continuum of care, including acute care, inpatient rehabilitation, outpatient rehabilitation, and skilled nursing facilities. Janette has extensive experience in robotic rehabilitation and the clinical application of advanced rehabilitation technologies. She has worked with a wide range of neurological patient populations and has been involved in clinical research, education, and implementation of Ekso technology. She currently serves as Clinical Manager for a Exoskeleton Manufacturer, supporting clinical education, training, and the integration of robotic rehabilitation across the Asia-Pacific region.



Janette Tartabini
Clinical Manager, APAC

PRESENTATION OUTLINE

- Defining successful gait recovery after stroke
- Normal gait mechanics and common post-stroke gait deviations
- Impairment vs. compensation: understanding why patients walk the way they do
- Challenges in restoring gait kinematics
- Principles of effective gait training: quality, quantity, intensity, and feedback
- Integrating traditional gait training with Exoskeleton
- Translating improvements into functional overground walking
- Case studies using advanced technology