

INTERPROFESSIONAL WOUND MANAGEMENT COURSE:

**Part A – Wound Management Principles and Wound
Assessment.**

Part A: Sat. & Sun January 6&7, 2007

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**Part B - Adjunctive Therapies including Electrical Stimulation
Therapy (EST) to promote healing of Chronic wounds**

Part B: Sat & Sun January 20&21, 2007

**School of Physical Therapy
The University of Western Ontario
Elborn College
London, Ontario**

COURSE INSTRUCTORS

PAMELA E. HOUGHTON, BScPT, PhD.

Dr. Pamela E. Houghton is a full time Faculty member in the School of Physical Therapy, within the Faculty of Health Sciences, University of Western Ontario. For over ten years she has developed and instructed courses in the Physical Professional Program and supervised students in the Masters and Doctoral programs In Health and Rehabilitation Sciences at the University of Western Ontario. Dr. Houghton leads an active research program at Western that is directed towards understanding the scientific basis of how adjunctive therapies influence the tissue healing. She has authored several book chapters and provided numerous continuing education courses and/or workshops to Physical Therapists and other health care professionals about the cellular and physiological effects, clinical research evidence, and specific application techniques of various adjunctive therapies. Pamela is a licensed Physical Therapist and a member of the College of Physiotherapists of Ontario. She is the owner of a private practice "Wound Care Physiotherapy" that is dedicated to providing adjunctive therapies to patients with chronic wounds.

KAREN E. CAMPBELL, RN, MScN, NP/CNS, PhD(cand.)

Karen is clinical nurse specialist and nurse practitioner providing consultations in Geriatrics and wound care to elderly clients at London Health Sciences Centre. She has over 20 years of clinical experience helping people with chronic wounds. Karen played a key role in the development of best practices for pressure ulcers produced by both the RNAO and CAWC. She has worked tirelessly championing wound care programs and fostering interdisciplinary wound care teams. Karen is an excellent speaker who is recruited often to provide preceptorships and educational programs to health care professionals across Canada and in other countries.

M. GAIL WOODBURY, BScPT, MSc, PhD.

Dr Woodbury has background training in Physical Therapy and Epidemiology. For over 10 years she has directed her expertise in research design and statistics to advance wound care research in Canada. She has authored several papers on desirable characteristics of wound assessment tools and was the lead author on the development and validation of the Leg Ulcer Measurement Tool (LUMT). Gail also led the national survey that provided first ever estimate of the Prevalence of Pressure Ulcers in Canada. Dr. Woodbury currently sits on the board of directors of the Canadian Association of Wound Care where she Chairs the Research Committee of the CAWC.

CHRIS FRASER, BSc. Reg. Dietitian.

Chris is a Registered Dietitian on the Acquired Brain injury and Spinal Cord Injury team at Parkwood Hospital, London, Ontario. She has developed an expertise in how nutritional factors affect the wound healing process and, through her work, reminds us of the important role that a Dietitian can provide to an interdisciplinary wound care team. She has provided numerous educational sessions and authored several papers on how nutritional supplementation is a key component of any wound care program. As a survivor of a spinal cord injury herself, she is very inspirational speaker who shares her enthusiastic and interesting perspective on how to optimize the care of people who have chronic wounds.

INTERPROFESSIONAL WOUND MANAGEMENT COURSE: Part A – Wound Management Principles and Wound Assessment.

COURSE DESCRIPTION

This 2 day course is designed to provide an introductory course about wound care principles and assessment. It will provide the opportunity for health care professionals from several different disciplines to learn the knowledge and skills needed to assess individuals with chronic wounds and provide best practice recommendations for wound care management. The course will review background knowledge on the wound healing process, general principles for identifying and managing common types wounds, and valid and reliable patient and wound assessment techniques. It will follow best practices recommended in Canadian Association of Wound Care (CAWC) and Registered Nurses Association of Ontario (RNAO). This course will be instructed by a experienced faculty from a variety of health care disciplines (OT, PT, RN, RD, MD) and will include slide presentations, in-class exercises, demonstrations, and clinical lab sessions to instruct the course material. Information provided in this course is pre-requisite material for individuals wishing to take a second course on the use of Adjunctive Therapies in the treatment of chronic wounds (Interprofessional Wound management Course: Part B Adjunctive therapies to promote healing of chronic wounds).

This course is included as partial fulfillment of a Masters degree for Graduate Students enrolled at the University of Western Ontario.

COURSE OBJECTIVES

1. To identify the function and appearance of various stages of the wound healing process
2. To identify characteristics of common types of chronic wounds: Pressure, Venous, Arterial and Diabetic Ulcers
3. To be aware of best practices recommended for the management of individuals with pressure ulcers, venous ulcers, or diabetic foot ulcers.
4. To design a patient assessment for individuals with pressure, diabetic and venous ulcers
5. To become aware of factors interfering with wound healing that also need to be addressed as part of an overall wound care program.
6. Identify and use valid and reliable wound assessment tools to describe and evaluate wound status and determine if wound care treatments are effective.
7. To practice clinical skills needed to assess wound size and appearance using acetate tracing and the Photographic wound assessment tool (PWAT).
8. To appreciate the role of nutrition and how dietary factors can influence the wound healing process.
9. To review compression therapies for management of chronic edema
10. To appreciate various types of wound dressings and select various types of wound dressing to help manage wound bed moisture and environment.
11. To understand the principles of wound debridement and review policies and procedures required for professionals to debride wounds.
12. To learn newest information about the assessment and management of wound infection.
13. To develop clean techniques, universal precautions, and other skills needed to assess and treat wounds that will avoid cross contamination.
14. To review basic principles to provide adequate management of pressure for people a risk of developing pressure sores.

**INTERPROFESSIONAL WOUND MANAGEMENT COURSE:
Part A – Wound Management Principles and Wound Assessment.**

COURSE SCHEDULE

Day 1

- 8:00 Registration
- 8:30 Introduction & Review of Course Objectives
- 8:45 Biology of Wound Healing
- 9:30 Common types of Chronic Wounds
- 10:00 Terminology
- 10:45 Break
- 11:00 Role of Nutrition in Wound Care:

- 12:30 LUNCH
- 1:30 Wound Infection: Assessment and Management:
- 2:30 Debridement Principles and role of Hydrotherapy
- 3:00 Break
- 3:15 Optimizing wound Environment: Wound dressing selection:
- 4:30 Discussion Questions

Day 2

- 8:30 Wound management principles Pressure, Diabetic and Venous Ulcers
- 10:30 Compression therapy for control of chronic edema
- 11:30 Lunch
- 12:30 Wound Assessment: Theory & Research :
- 1:30 Clinical Skills Lab: Wound Assessment & Clean Technique
- 2:30 Break
- 2:45 Patient Skills Lab: Assessment of patients with chronic wounds
- 4:30 Review, Questions, Discussion
- 5:00 Adjournment

Inter-professional Wound Management Course: Part B Adjunctive Therapies to promote healing of Chronic wounds

COURSE DESCRIPTION

This 2 day course is designed to provide the opportunity for health care professionals from several different disciplines to learn the knowledge and skills needed to use adjunctive therapies in the treatment of chronic wounds. The course will focus on the effects of electrotherapeutic modalities including ultrasound, laser, ultraviolet light, and electrical stimulation therapy (EST) on wound healing process and summarize research evidence that supports the use of these modalities to treat individuals with chronic wounds. The course will highlight application techniques and rationale for the selection of stimulation parameters for the use of electrical stimulation therapy (EST). Advanced knowledge and skills regarding EST will be provided including equipment purchase and maintenance and policies and procedures needed to successfully implement EST in your health care setting. This course will include slide presentations, in-class exercises, demonstrations, panel discussions and clinical lab sessions.

PRE-REQUISITE: Previous knowledge about wound assessment and management is required as outlined in Part A of this program [Inter-professional Wound Management Course: Part A Wound Management Principles and Wound Assessment. Participants may request for Course Manager (Dr. PE Houghton) to consider prior wound experience and training such as (IIWCC, or CAWC S1, S2 series) as sufficient pre-requisite information.

This course is included as partial fulfillment of a Masters degree for Graduate Students enrolled at the University of Western Ontario.

COURSE OBJECTIVES

1. Identify and use valid and reliable wound assessment tools that can be used to determine if therapeutic interventions are being effective.
2. To become aware of cellular actions, clinical research evidence and application techniques of various adjunctive therapies that are used in the treatment of individuals with chronic wounds (ultrasound, laser, ultraviolet light, Electrical Stimulation therapy).
3. To be able to identify clients who might benefit from the use of therapeutic modalities to accelerate wound closure.
4. To understand rationale and be able to select appropriate treatment parameters for electrical stimulation therapy (EST) when treating a patient with a chronic wound.
5. To practice application techniques necessary to optimize delivery of electrical stimulation to chronic wounds.
6. Using case examples learn how to adapt electrical stimulation therapy to accommodate various different clinical scenarios.
7. To discuss policies and procedures that will facilitate implementation of EST into your wound management program.

Inter-professional Wound Management Course: Part B Adjunctive Therapies to promote healing of Chronic wounds

COURSE SCHEDULE

Day 1

- 8:00 Registration
- 8:30 Introduction & Review of Course Objectives
- 9:00 Therapeutic Ultrasound for treatment of chronic wounds
 - Cellular and physiological effects
 - Clinical Research Evidence
 - Application techniques
- 10:00 Break
- 10:15 Light therapy (Laser, Ultraviolet Light C) for the treatment of chronic wounds
- 11:30 LUNCH
- 12:30 Electrical Stimulation
 - Mechanisms of action
 - Review of research evidence
 - Presentation of Clinical Cases
- 2:00 Break
- 2:15 Other Adjunctive therapies in the treatment of chronic wounds
- 3:30 Choosing best therapy – Clinical Cases and Review of BPGs
- 4:30 Discussion/Questions Adjournment

Day 2

- 8:30 How to identify appropriate clients for adjunctive therapies: an algorithm
- 9:00 EStim Application technique: Demonstration
- 10:00 Clinical Skills Lab: Estim application and experience
- 11:30 Patient Experience with Estim
- 12:00 LUNCH
- 1:00 What Ifs – Cases to demonstrate how to select parameters and modify approach depending on patient needs.
- 2:00 Equipment and Supplies – Vendor Displays
- 3:00 Policies and Procedures for implementation of EStim: Barriers and Facilitators
- 4:00 Discussion and Questions

REGISTRATION FORM

Please Note: Registration will only be accepted provided course fee is enclosed.

Mail to:

Dr. Pamela Houghton
Elborn College
School of Physical Therapy
University of Western Ontario
London, Ontario, N6G 1H1

Name: _____ Discipline: PT RD OT RN MD
Address: _____ Facility: _____

Area/Position: _____
City: _____ Code: _____ Phone: Home: _____
Email: _____ Work: _____

Course registration fee is

Part A = \$199.00 + GST
Part B = \$199.00 + GST
Part A & B = \$350.00 + GST

Make cheque payable to: University of Western Ontario

Certificate of Attendance and Tax Receipt Available upon completion

For further information contact:

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Registration:

- Registration number limited to 40 participants
- Deadline: December 15, 2006
- Registration Fee: \$199.00 + GST (single)
- Lunches will be provided
- No refunds for cancellations after December 22, 2006
- Minimum registration number is required; Course organizers reserve the right cancel the course on or before Dec. 15th, 2006 with full refund.
- Parking Passes – can be purchased at time of registration for an additional fee