

Modalities Interventions

Part 1: Electrotherapy

March 24 - 25, 2012 • Mt. Laurel, New Jersey

DAY 1 • SATURDAY, MARCH 24

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| 7:00 a.m. | Registration and Introduction |
| 7:30 a.m. | Anatomical & physiological considerations in the use of electrotherapy |
| 8:30 a.m. | Key concepts in neurophysiology. |
| 9:30 a.m. | The Science of Pain and it's clinical implications |
| 10:30 a.m. | Break |
| 10:45 a.m. | Electrical Stimulation in the management of edema, pain and hypertonicity |
| 11:45 a.m. | Lunch |
| 12:45 p.m. | Principles of Transcutaneous Electrical Nerve Stimulation |
| 1:45 p.m. | Principles of Interferential Current |
| 3:45 p.m. | Break |
| 4:00 p.m. | Principles of Neuromuscular Electrical Stimulation (NMES) |
| 4:45 p.m. | Principles of 'Russian' Stimulation |
| 5:30 p.m. | Break |
| 5:45 p.m. | Application of Electrical Stimulation Lab |
| 7:15 p.m. | Close |

DAY 2 • SUNDAY, MARCH 25

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|------------|---|
| 8:00 a.m. | Principles of Microcurrent |
| 8:45 a.m. | Principles of High Voltage Pulsed Direct Current (HVPC) |
| 9:30 a.m. | Application of Microcurrent and HVPC Lab |
| 11:00 a.m. | Break |
| 11:15 a.m. | Principles of Iontophoresis |
| 12:00 p.m. | Principles of H Wave |
| 12:45 p.m. | Lunch |
| 1:15 p.m. | Application of Iontophoresis and H Wave Lab |
| 2:45 p.m. | Closing Remarks |
| 3:30 p.m. | Close |


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 1794 N. Parham Road
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REHABILITATION

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P R E S E N T S

Therapeutic Modalities

Part 1: Electrotherapy



*This program has been approved by the
NJ OT Advisory Council for 2012*



Target Audience:
PT, OT, PTA, COTA, ATC,
SPT, SOTA

Instructional Level:
Entry Level

16 Contact Hours

Course Description

This evidence based entry level program is designed to expose rehabilitation specialists to the theory and application of commonly used electro-therapeutic modalities. Topics covered will include the physics of each modality, the physiological response of normal and abnormal tissue to these interventions and the evidence supporting their use. A portion of the program will be dedicated to the safe application of electrotherapy in its various common forms, with indications, contraindications and precautions for their use, as well as patient education and documentation strategies and considerations for care of the equipment itself. Each participant will have the opportunity to apply the modalities discussed and will leave the program understanding the best current evidence for the utilization of these types of modalities.



Course Objective

Upon completion of this course, participants will be able to:

- Describe the principles of physics that govern the properties of electricity.
- Understand and describe the physiological changes that occur in biological tissue exposed to therapeutic electrical stimulation.
- Describe the differences in response to electrical stimulation between normal and pathological tissue.
- Describe the indications, contraindications and precautions for the use of therapeutic electrical stimulation in it's various guises.
- Discuss best current evidence for the utilization of electrotherapies.
- Demonstrate the safe utilization and application of electrotherapy on normal subjects.
- Accurately document electrotherapy intervention.

Course Faculty

Diane Reiley, PT, ATC received her bachelors degree in Sports Medicine and Athletic Training from Central Michigan University in 1989. Upon completion she relocated to Miami, FL and began work in the field in an outpatient orthopedic sports medicine setting, working extensively with elite athletes.

She completed her Physical Therapy degree from Florida International University in 1996, while continuing her work in the sports medicine setting in West Palm Beach and Jupiter, FL. Diane has lectured throughout the United States on various aspects of rehabilitation, with special emphasis on the lower quarter. When she is not lecturing, she currently runs a busy outpatient center in Jupiter, FL.

Eric Quick, PT, OCS, CSCS earned his Bachelors of Health Science in Physical Therapy from the University of Florida in 1998. Eric has been practicing in the field of orthopedics and sports medicine for over 10 years, and received his ABPTS Board Certification as an Orthopedic Specialist in 2003. He is also a Certified Strength and Conditioning Specialist, and is currently completing his doctoral degree through AT Still University. Eric has lectured on advanced orthopedic rehabilitation throughout the United States, and currently is a Senior Clinician in a busy outpatient clinic in Florida.

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NovaCare Rehabilitation

3115 Route 38, Suite 300 • Mt. Laurel, NJ 08054

Tuition: \$375

Includes refreshments, light lunch and a course manual.

Program Accreditation

This course is approved by the New Jersey Occupational Therapy Advisory Council. Select Medical is an approved provider of education with the American Occupational Therapy Association and the National Athletic Trainers Board of Certification. We have applied for approval from the New Jersey State Board of Physical Therapy Examiners for 16 Continuing Education Hours.



Course Registration

Name

Credentials

Address

Address (cont.)

Phone

Email address

Method of Payment

Check

Visa

MasterCard

American Express

Credit Card #

Exp. Date

Signature

Make checks payable to: Select Medical
Email: emelton@selectmedical.com Phone: 804-290-0107
Fax: 717-635-3897 Mail: Select Medical Clinical Education
Department, 1794 N. Parham Road, Richmond, VA 23229

Cancellation Policy: Refund request will be honored (less \$50 processing fee) if we are notified of cancellation in writing 10 days prior to course date. Cancellation notification within 10 days of the course will result in full forfeiture of tuition amount.