

Neuromuscular Facial Retraining:

Successful Strategies for Challenging Cases

Gaye W. Cronin, OTD, OTR/L



Faculty

Gaye W. Cronin is a master clinician specializing in vestibular and facial nerve rehabilitation having treated more than 30,000 patients suffering from vestibular or facial nerve disorders. She serves as the director of Vestibular & Facial Nerve Atlanta. Dr. Cronin has experienced a high rate of success in the elimination and reduction of facial paralysis, vertigo and balance dysfunctions, and improvement of function, safety and mobility through rehabilitation. She has successfully applied these evidenced based treatments with a variety of diagnoses and ages. Dr. Cronin has published extensively in medical and therapy journals and has conducted numerous national and international instructional courses for occupational therapists, physical therapists, audiologists and physicians. She received her Bachelor of Science and Masters degrees from the Medical College of Georgia, and her Doctorate of Occupational Therapy from the University of St. Augustine for Health Sciences.

Disclosure: Financial: Gaye Cronin receives an honorarium from Education Resources. **Non-Financial:** She has no non-financial relationships to disclose.

About this Live Webinar

Learn successful neuromuscular facial retraining therapy strategies and techniques for treating patients with facial nerve disorders (even the most challenging cases). Recognize facial nerve disorders by etiologies, symptoms and manifestations including: Bell's palsy, Ramsay Hunt syndrome, facial nerve tumors, acoustic neuroma, Herpes zoster and simplex, infections, head trauma, post COVID-19, Guillian-Barre' syndrome, Miller-Fisher syndrome, Melkerson Rosenthal, birth (congenital and acquired), post-surgical reanimation, Lyme's disease, and toxicity. Assessments of facial nerve grading scales, bilateral surface electromyography, video application assessments (APP), synkinesis and muscle tone will be presented. This course offers the rehabilitation clinician an additional frame of reference for treatment that can positively affect patient's function, eyelid mobility and eye protection, perception, expression, speech, self-care, motor skills/tone, facial symmetry, self-image, quality of life, and improvement of abnormal movement patterns, synkinesis and hemifacial spasm. Participants will then apply this new information through case studies and practice sessions.

Learning Objectives

- Describe neuromuscular facial retraining process
- Apply anatomy/physiology of Cranial Nerve VII (facial) for facial function, dysfunction, and neuroplasticity
- Recognize etiologies that cause facial paralysis and prognosis
- Describe facial assessments of grading scales, tone, synkinesis and surface EMG
- Demonstrate evidenced based treatment techniques for muscles, expression, function and eye care
- Demonstrate understanding of indications and contraindications of treatments and modalities learning, school performance, coordination and movement tolerances

Audience

PT, OTs, SLPS, and assistants as well as Dietitians, Audiologists, Athletic Trainers, Special Educators working with children and adults diagnosed with facial paralysis.

Help your patients achieve better outcomes.

Schedule – Day 1 - 9:00am-3:00pm EST (US)

- 8:40-9:00 Webinar Registration/Zoom Course Opens
- 9:00-10:00 Facial Nerve Disorders
- Symptoms, incidences and manifestations
 - Determining need for intervention
- Cranial Nerve VII (Facial) Anatomy/Physiology
- Facial nerve path from brainstem to face
 - Facial nerve branches (auricular, temporal, buccal, zygomatic, mandibular, cervical)
 - Innervation of 23 paired muscles, lacrimal glands, saliva glands
 - Motor and sensory components of nerve
- Cranial Nerve VII (Facial) Function and Dysfunction
- Sensory/motor components
 - Muscle function of each nerve branch
 - Sunderland's degrees of facial nerve dysfunction and description (neuropraxia, axonotmesis, neurotmesis, perineurotmesis, nerve transection) and indication for rehab
 - Nerve recovery and regeneration process
- 10:00-12:00 Aberrant Regeneration and Hyperkinesia Syndromes:
- Description and indication for clinicians - dos and don'ts
 - Hemifacial spasm and synkinesis
 - Dystonia
 - Blepharospasm
 - Facial Nerve Etiologies and Diagnoses:
 - Indications for clinicians - recognition and treatment
 - Bell's palsy
 - Ramsay Hunt (shingles, chicken-pox)
 - Infections (Herpes simplex/zoster, COVID-19, encephalitis, viral inflammatory)
 - Tumors (malignant and benign) schwannomas, meningiomas, parotid, acoustic neuroma, other
 - Trauma
 - Syndromes (Guillain Barre', Miller-Fisher, Melkerson Rosenthal)

Schedule – Day 1 (con't)

- Central nervous system (stroke, lesion)
 - Birth (congenital/acquired)
 - Toxicity/Lyme's disease
 - Other
- 12:00-12:30 Lunch
- 12:30-3:00 Evaluation of Facial Nerve Disorders
- Facial Nerve Grading Scales and Disability Index
 - Dual channel surface electromyography (EMG)
 - Video cases, observations, photos
 - Assessment of tone, synkinesis (muscular, tearing and gustatory)
 - Hilger nerve assessment
 - Other (pain, edema, sensory, lip excursion, self-care, auditory/vestibular, visual, oral)

Schedule – Day 2 9:00am-12:30pm EST (US)

- 8:40-9:00 Webinar Registration/Zoom Course Opens
- 9:00-10:00 Evidence Based Treatment Interventions for Problem Specific Disorders
- Functional facial exercises
 - Mirror and video feedback
- 10:00-10:30
- Eye care and Bell's phenomenon
 - Dual channel surface EMG
- 10:30-11:30
- Synkinesis/hemifacial spasm and assessing need for Botox neurochemodenervation
 - Place and release techniques
 - Vibration, massage, manual therapy, stretches, heat/cold, taping
- 11:30-12:30
- Oral motor and speech
 - Post surgical re-animation and indications for rehab
 - Education/reassurance
- Case Reports
- Evidenced Based Results of Treatments Demonstrated

ERI: Life-changing learning

You love what you do. Our courses remind you why. As a therapist, you change lives every day – and have your life changed in return. ERI is life-changing learning, for therapists by therapists.

The ERI Advantage

- Techniques you'll use the next day
- Peers who share your passion
- Renowned faculty
- Evidence-based courses that improve outcomes
- 30 years of life-changing learning

Specialty Tracks

Learn with courses throughout the lifespan – neonatal, pediatric, adult and geriatric. Each ERI specialty track is designed to make the most of your continuing education time, budget, and goals. Start your search with us and plan every course you'll take in 2024.

ERI Rewards*

Your ERI experience is more rewarding than ever:

- First course discount
- Bring a friend savings
- Group discounts
- \$100 off your 4th multi-day course

*Subject to availability. Exclusions may apply. Visit our website for details and coupon codes.

Visit educationresourcesinc.com for all your 2024 course needs.

Credits

This course meets the criteria for 9 contact hours (0.9 CEUs) Intermediate Level.



American
Occupational Therapy
Association

Approved Provider

Education Resources Inc. is an AOTA Approved Provider of professional development. Provider #3043. This Distance Learning-Interactive course is offered at 9 contact hours 0.9 CEUs. Intermediate level, OT Service Delivery. AOTA does not endorse specific course content, products, or clinical procedures.

This course can be used toward your NBCOT renewal requirements for 9 units.

Approved provider of the **FL** Board of Occupational Therapy-CE Broker – 10.5 hrs.

This course meets the approval of the **TX** Board of OT Examiners.



ASHA CE
APPROVED PROVIDER

Education Resources, Inc.
Intermediate Level
0.9 ASHA CEUs

ASHA CE Provider approval and use of the Brand Block does not imply endorsement of course content, specific products, or clinical procedures.

ASHA credits are accepted by the **TX** Department of License and Renewal.

Application has been made to the **FL** Physical Therapy Association for 10.5 continuing education contact hours.

Application has been made to the **MD** Board of Physical Therapy Examiners.

Application has been made to the **NJ** Board of Physical Therapy Examiners.

Approved sponsor by the State of **IL** Department of Financial and Professional Regulation for Physical Therapy for 10.5 contact hours.

Approved provider by the **NY** State Board of Physical Therapy for 10.5 contact hours (1.05 CEUs).

Education Resources, Inc. is an approved provider for Physical Therapy CEUs in the following states: **CA, KY, OK and TX**.

The following state boards of physical therapy accept other states' approval: **AK, AR, AZ, DC, DE, GA, HI, ID, IN, KS, MA, MI, MO, MS, NC, OR, PA, RI, SC, UT, VA, VT, WI, WY**. The following state boards of physical therapy either do not require course pre-approval or do not require CEUs for re-licensure: **AL, CO, CT, IA, ME, MT, NE, ND, NH, SD, WA**.

9 hours of this course qualify towards the discipline-specific hours for the 20-hour requirement for NDTA re-certification. They do NOT qualify towards the 8-hour NDTA Instructor requirement for re-certification. Education Resources Inc. 266 Main St, Medfield, MA 02052. Please contact us with any special-needs requests: info@educationresourcesinc.com or 800-487-6530.

WEBINAR DATES AND TIMES

February 23 and 24, 2024

8:40 am EST • 7:40 am CST • 6:40 am MST • 5:40 am PST (US)

Registration is for both days. Zoom log-in instructions and course materials will be emailed/added to your ERI account 5-7 days prior to the first date of the webinar.



\$389 fee. **LIMITED ENROLLMENT** Cancellation will be accepted until 14 days prior to the start date of the course, minus a \$75 Administration Fee. There will be NO REFUNDS after this 14-day deadline. Registration will be accepted after deadline on a space available basis. We encourage you to register online!

Neuromuscular Facial Retraining - Gaye Cronin

February 23 and 24, 2024

Course Registration Form

Name: _____

Address: _____

City: _____ State: _____ Zip Code: _____

Home Phone: _____ Work Phone: _____

Cell Phone: _____

Needed in the event of an emergency scheduling change

Email: _____

Please clearly print your email address for course confirmation

Employer: _____

Discipline: _____ Specialty: _____

How did you learn of this course _____

Education Resources reserves the right to cancel any course due to insufficient registration or extenuating circumstances. We are not responsible for any expenses incurred by participants if the course must be cancelled.

I have read your refund policy above and understand.

Cardholder's name & billing address with zip code if different from above:

Signature _____

Amount charged _____

I hereby authorize you to charge my: VISA MC DISCOVER# _____

Exp. Date _____ CVV2 Code _____