

GRAVITY AND MOVEMENT CHALLENGED: THE SENSORY-MOTOR-VESTIBULAR TRIAD AND REFLEX DEVELOPMENT

INTRO
COURSE

Description:

The vestibular, proprioceptive and tactile systems (the Sensory-Motor-Vestibular Triad) interact to generate and support reflex integration, modulation and integration at a primitive brain level and act as the prime organizers of the CNS from which all 'higher' (motor coordination, emotional, motivational, learning, memory, cognition) functions emerge. An updated examination of the SMV Triad from a developmental neurobiological standpoint will reveal the central, pivotal role it (an reflex development) plays in brain organization, its influence on development and functional performance, and its support for using a sensory integration frame of reference to treat dysfunction.

Do you wonder if the vestibular and proprioceptive activities you use are optimally effective for a given child? Do you feel that equipment and/or environmental limitations prevent you from providing effective intervention? Can you formulate a developmentally sequenced intervention plan to meet a specific child's individual ability level? Case examples and experiential learning will be used to address these questions. Content will include assessment options and a range of intervention strategies designed to foster improved integration of reflex, somatomotor, somatosensory and vestibular systems for functional outcomes.

This course will support participants in providing more effective treatment of vestibular/proprioceptive/tactile processing dysfunction. Participants will hone their skills for observing the behavioral outcomes of vestibular and somatosensory processing (both 'normal' and 'abnormal'). By applying, through clinical reasoning, an enhanced understanding of the neurobiological basis for such behavioral outcomes, participants will gain greater confidence and competence with sensory(-motor) integration treatment.

Participants should wear comfortable clothing for floor activities.

This course is offered for 1.2 AOTA CEUs (Performance Skills, Intervention & Outcomes)

This course is offered for 1.2 ASHA CEU's (Introductory Level; Related Area)

Suggested Audience: OTs, PTs and Early Intervention Specialists

Objectives: Participants will be able to:

1. Discuss the significance of fetal development and the 1st 6-9 months of development with respect to the primacy of reflexes and the SMV Triad.
2. Identify clinically relevant behaviors indicative of SMV function and dysfunction at various developmental stages.
3. Describe the critical aspects of early neurobiological and neuromotor development (primitive reflexes and motor patterns) that support long-term development of SMV Triad functions.
4. Describe neurobiological aspects of the brain stem SMV Triad that are critical for the development of psycho-social/emotional functions.
5. Demonstrate and apply intervention strategies to enhance reflex development, vestibular/proprioceptive/tactile processing for various ages and ability groups.

Schedule* (12 contact hours)

Day 1

- 8:00 Registration
8:30 • Model of Sensory(-motor) Integration: Modulation-Integration-Actualization
9:00 • Clinical Indicators of SMV Processing - Ages and Stages
10:00 Break
10:30 • Clinical Indicators of SMV Processing - Ages and Stages (cont.)
11:00 • Neurobiological Neuromotor and Reflex Development in Fetal Life and the 1st 6-9 mon.
12:00 Lunch on your own
1:00 • SMV Foundations for Modulation, Integration
2:30 Break
3:00 • Practicum: Basic Elements of SMV Activities/Early Ages
3:45 • Sensorimotor Performance Analysis: A Tool for Functional Observation
4:45 Adjourn

Day 2

- 8:30 • Neurobiological Aspects of the SMV Triad Critical for Social/Emotional Dev.
10:00 Break
10:30 • Clinical Reasoning for Treatment Strategies: Where to Start/Progress
11:15 • Practicum: SMV Activities/Simple or No Equipment
12:00 Lunch on your own
1:00 • SMV Foundations for Functional Spatial Outcomes (Auditory and Visual Functions)
2:30 Break
3:00 • Practicum (continued)
3:45 • Strategies for Increasing Challenges with More Elaborate Equipment
4:15 • Questions
4:30 Adjourn

* Topic times may vary, contact hours do not



Faculty

Steven J. Cool, PhD, FAAO received his BA in Psychology and Modern Languages at Trinity College, Hartford, CT and his Ph.D. in 1966 in a combined academic program in Psychology, Physiology, Biophysics & Mathematical Statistics. Steve is Emeritus Professor of Developmental Neurobiology in the School of Occupational Therapy, the School of Optometry, and the School of Professional Psychology at Pacific University in Forest Grove, OR. Steve has written and lectured widely on the topics of visual perceptual development, vision therapy, neuro-rehabilitation, NDT & SI theory, the "Biology of Belief" and the "Biochemistry of the Human Spirit".

Eileen W. Richter, MPH, OTR/L, FAOTA has her Masters of Public Health degree in Maternal and Child Health and is NDT certified. She has over thirty years experience working with a variety of disability groups in public schools, hospitals and private practice. Ms. Richter has published a number of books and articles on sensorimotor assessment and treatment including co-authoring the *MORE: Integrating the Mouth, Out of the Mouth of Babes* and the *Sensorimotor Performance Analysis* books and the *MORE DVD*. Ms. Richter founded Professional Development Programs and PDP Press, Inc. and directed the company for 30 years, providing continuing education programs and seminal publications to pediatric therapists throughout the country. She is also a co-founder of Camp Avanti-St. Croix, a sensory integration camp based on an intensive treatment model.

2012 Tuition

Tuition: \$400.00 (Includes lab materials, handouts, and morning and afternoon refreshments)

Discount Deadlines:

Super Saver Deadline

(8 weeks prior to course date): \$370

Early-Bird Deadline

(4 weeks prior to course date): \$390

Registration Deadline 1 week prior to course date •

Regular Price: \$400 (after this date, \$450)

Maximum combined discount limit for a Two-Day course is \$50.00 from the regular tuition.

Visit us at www.pdppro.com/outreach.shtml for further information or email outreach@pdppro.com.

APPROVED PROVIDER

Professional Development Programs & Products is approved by the Continuing Education Board of the American Speech-Language-Hearing Association (ASHA) to provide continuing education activities in speech-language pathology and audiology. See course information for number of ASHA CEUs, instructional level and content area. ASHA CE Provider approval does not imply endorsement of course content, specific products or clinical procedures.

For more information please contact:
Professional Development Programs

1675 Greeley Street South
Suite 101
Stillwater, MN 55082
Phone: 877-439-8865
Fax: 877-259-5906
www.pdppro.com



PDP Registration Information

Registration Procedures

Register by mail, phone, fax or on-line. Early registration is recommended. Mail completed registration form with check or money order to Professional Development Programs postmarked no later than the registration deadline. Make check payable to Professional Development Programs and mail to: 1675 Greeley St. So., Ste. 101, Stillwater, MN 55082. Designate the course and site you plan to attend. Full payment is required to confirm space. For Purchase Orders without payment add \$50 for the processing fee. Copy of PO must accompany registration. Phone, fax or on-line registration must include a valid VISA, MasterCard or Discover number with expiration date & signature.

Documentation/Credit

All participants will receive certification of the number of contact hours attended. If additional information is required for specific credit or CEU purposes, contact Professional Development Programs 6-8 weeks prior to the course.



Professional Development Programs is an American Occupational Therapy Association (AOTA) Approved Provider of Continuing Education. The assignment of AOTA CEUs does not imply endorsement of specific course content, products or clinical procedures by AOTA. See individual course listing for specific information.



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Discounts/Additional Information

Group Size	1-Day Course Discount	2-Day Course Discount
3-5	\$10/person	\$20/person
6 or more	\$20/person	\$30/person

All registrations must be submitted together by the course deadline and all discounts must be taken at time of registration. No refunds are made retroactively or after the course deadline. Maximum combined discount limit is \$50 for a Two-Day course and \$30 for a One-Day course from the regular tuition. This brochure may be copied for informational and/or registration purposes.

Cancellation Policy

All cancellations must be in writing, including the reason for cancelling and must be received by PDP at least three weeks prior to the course; no compensation will be granted after that date. If the cancellation meets the three week deadline, the registrant may choose a refund or a transfer credit, minus a \$75 processing fee, to be issued following the program. A transfer credit may be applied toward another PDP course within three years of the issue date.

PDP reserves the right to cancel any course with due cause and refund in full. Participants purchasing NON-refundable airfare tickets should verify course availability before final purchase. Weather and/or transportation difficulties are not the responsibility of the workshop sponsor, PDP, and failure of a chosen means of transportation is not grounds for tuition refund when the course is held.

Our ADA policy can be found online at: www.pdppro.com/policies.shtml.

Authorship disclosure:

The speakers may receive royalties from their authored publications and materials.

For a complete look at our courses and therapeutic products, visit us online at www.pdppro.com.

-----Professional Development Programs Registration Form:-----

Date sent: _____

Please sign me up for the following workshop:

Course Name: _____

Course Dates: _____

Course Location: _____

Additional Course Materials: _____

See individual course listings for any required materials

Course Tuition: _____

8 Week Discount: _____

for registrations received 8 weeks prior to course dates.

4 Week Discount: _____

for registrations received between 8 and 4 weeks prior to course dates.

Group Discount: _____

\$50.00 Late Fee: _____

for registrations received < 1 week prior to course dates.

\$50.00 Processing Fee: _____

for purchase orders requiring invoicing.

Additional Materials: _____

Total Tuition: _____

Name: _____ Professional Title _____ Employer _____

Home Address: _____ City: _____ State: _____ Zip: _____

Work Address: _____ City: _____ State: _____ Zip: _____

Evening Phone: _____ Daytime Phone: _____ E-mail: _____

Name as it appears on card (please print) _____ Signature _____

Card Number _____ - _____ - _____ Exp Date _____ / _____ CVV _____

Billing address if different than home address listed above _____

How did you hear about us? _____ Promo Code: _____

Register online at: www.pdppro.com or by phone: 877-439-8865 (M-F; 9-5 CST)