THE NDT/BOBATH (NEURO-DEVELOPMENTAL TREATMENT/BOBATH) DEFINITION

NDT is a holistic and interdisciplinary clinical practice model informed by current and evolving research that emphasizes individualized therapeutic handling based on movement analysis for habilitation and rehabilitation of individuals with neurological pathophysiology. The therapist uses the International Classification of Functioning, Disability, and Health (ICF) model in a problem solving approach to assess activity and participation, thereby to identify and prioritize relevant integrities and impairments as a basis for establishing achievable outcomes with clients and caregivers. An in-depth knowledge of the human movement system, including the understanding of typical and atypical development, and expertise in analyzing postural control, movement, activity, and participation throughout the lifespan, form the basis for examination, evaluation, and intervention. Therapeutic handling, used during evaluation and intervention, consists of a dynamic reciprocal interaction between the client and therapist for activating optimal sensorimotor processing, task performance, and skill acquisition to enable participation in meaningful activities.


NDTA SEMINAR PROGRAM

NDTA Seminars offer a unique education opportunity for both adult and pediatric therapists to become acquainted with NDT or to further enhance their NDT knowledge. Seminars are available in 2- or 3-day formats with varying content levels. NDTA offers the option to host a seminar for facility staff only or to open the course to outside therapists. In both types of seminars, NDTA pays the instructor’s honorarium and expenses. NDTA applies for PT Continuing Education Hours in the host state and is an approved CE provider for AOTA and ASHA. All NDTA-sponsored seminars are eligible for NDT re-certification continuing education hours. Visit NDTA.org for information on NDT Certification.

OPEN SEMINAR: There is NO FEE to the facility to host an open seminar. NDTA holds registration and collects all tuition. The facility is responsible for marketing the seminar to their staff and to local facilities, transportation of the instructor to and from the hotel to the course location, and providing refreshments during the breaks. The facility receives two complimentary seats for hosting and two additional complimentary seats if paid registration reaches 25.

TUITION:
- Single Instructor: 2-day Seminar . . . . $399 NDTA Member / $530 Non-member
- Single Instructor: 3-day Seminar . . . . $525 NDTA Member / $690 Non-member
- Dual Instructor: 2-day Seminar . . . . $450 NDTA Member / $580 Non-member
- Dual Instructor: 3-day Seminar . . . . $630 NDTA Member / $735 Non-member

SELF CONTAINED SEMINAR: The facility pays a FLAT FEE for the seminar and holds registration. Self contained seminars can be for facility staff only, but also have the option to be advertised by NDTA. The facility is responsible for marketing the seminar to their staff, transportation of the instructor to and from the hotel to the course location, and providing refreshments during the breaks.

FEES:
- Single Instructor 2-day Seminar . . . . . . . $8,500
- Single Instructor 3-day Seminar . . . . . . . $10,000
- Dual Instructor 2-day Seminar . . . . . . . $9,450
- Dual Instructor 3-day Seminar . . . . . . . $12,600

Please request a sample Site Agreement for a complete list of seminar hosting responsibilities. For additional information on hosting a seminar, please contact:

Julie Pitz, NDTA Director of Seminar Education
Email: julie@ndta.org    Phone: 800-869-9295

Host facilities are not limited to the seminars or instructors listed in the catalog. Custom seminars are available by request.
# TABLE OF CONTENTS

**SEMINAR CONTENT LEVELS**

- **Introductory**: Seminars for therapists with no background knowledge of NDT.
- **Intermediate**: Seminars for therapists who have completed an introductory NDT course.
- **Specialty**: Seminars for NDT certified therapists (C/NDT) and/or therapists who have successfully completed an NDTA approved certificate course.

## NDTA ADULT SEMINARS

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<th>Level</th>
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<tr>
<td>Introductory</td>
<td>Monica Diamond, Kris Gellert, Cathy Hazzard, Katy Kerris, J. Lyndelle Owens, Jodi A. Renard, Marybeth Trapani-Hanasewych</td>
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<td>Intermediate</td>
<td>Monica Diamond, Kris Gellert, Cathy Hazzard, Katy Kerris, J. Lyndelle Owens, Nicky Schmidt</td>
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## NDTA PEDS SEMINARS

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<tr>
<td>Introductory</td>
<td>Rona Alexander, Kate Bain, Lauren Miller Beeler, Suzanne Davis Bombria, Colleen Carey, Debbie Evans-Rogers, Mary Rose Franjoine, Jacqueline Grimenstein, Margo Prim Haynes, Kacy Hertz, Therese McDermott-Winter, Carmen Pagan, Leslie Paparsenos, Gail Ritchie, Jane Styer-Acevedo, Kim Westhoff</td>
</tr>
<tr>
<td>Intermediate</td>
<td>Lezlie Adler, Rona Alexander, Kate Bain, Lauren Miller Beeler, Suzanne Davis Bombria, Colleen Carey, Nancy Darr, Debbie Evans-Rogers, Mary Rose Franjoine, Jacqueline Grimenstein, Margo Prim Haynes, Lisa Madigan-Carey, Madonna Nash, Gail Ritchie, Jane Styer-Acevedo, Pamela Ward, Kim Westhoff</td>
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</tbody>
</table>

**NDTA ADULT SEMINARS**

### INSTRUCTORS FOR INTRODUCTORY SEMINARS
- Monica Diamond
- Kris Gellert
- Cathy Hazzard
- Katy Kerris
- J. Lyndelle Owens
- Jodi A. Renard
- Marybeth Trapani-Hanasewych

### INSTRUCTORS FOR INTERMEDIATE SEMINARS
- Monica Diamond
- Kris Gellert
- Cathy Hazzard
- Katy Kerris
- J. Lyndelle Owens
- Nicky Schmidt

### INSTRUCTORS FOR SPECIALTY SEMINARS
- Cathy Hazzard
BUILDING A STRONG FOUNDATION: OPTIMIZING FUNCTION OF THE WHOLE BODY USING THE NDT APPROACH

Instructors: Monica Diamond, PT, MS, NCS, C/NDT and Kris Gellert, OTR/L, C/NDT
Level: Introductory or Intermediate  Target Audience: PT, PTA, OT, COTA, SLP

Through lectures, labs, and patient demonstrations, participants will have an opportunity to develop their understanding and skill in treating the functional limitations of patients with neuromotor system impairments, across the continuum of care. Particular emphasis will be placed on the need for an understanding of the entire body, and the development of skills in the management of multiple body segments in order to achieve functional goals of all disciplines. Labs will provide an opportunity for assessment and practice of strategies for improving patient performance of mobility and ADL activities. Problem solving for individual patient needs will be discussed, demonstrated, and practiced.

Additional Optional Titles: Can I Get There from Here? Navigating the Whole Body for Optimal Outcomes Using the NDT Approach.

CONTEMPORARY MODEL OF NDT (NDT/BOBATH) FOR INDIVIDUALS POST STROKE OR BRAIN INJURY

Instructor: Cathy Hazzard, B.Sc, MBA, PT, C/NDT
Level: Introductory  Target Audience: PT, OT, SLP, and Assistants

This two-day interdisciplinary course is designed to give participants current information about NDT and how to apply it in clinical practice to promote recovery of function in individuals following neurological damage. Active discussion and lab practice in moving from clinical observations and symptoms of abnormal movement strategies to the identification of the most significant impairments interfering with our client’s function will be explored as key to the development of effective intervention strategies. The ICF will be used as the basis for assessment and intervention planning. In addition, principles from neuroplasticity and task specific training will be integrated as key elements of intervention. This information is essential to all therapy disciplines and practice settings involved in neuro-rehabilitation. Lab practice and a patient demonstration will be utilized in the learning process.
NDT NURSING: SUPPORTING POSITIVE FUNCTIONAL OUTCOMES

Instructor: Cathy Hazzard, B.Sc, MBA, PT, C/NDT
Level: Introductory  Target Audience: MSN-RN, BSN-RN, ASN-RN, LPN, CNA in Neuroscience and Rehabilitation Practice areas

This 2-day workshop will provide all levels of nursing staff, who work with individuals post stroke or brain injury, with the knowledge and skills to support their patients towards optimal functional outcomes. The information presenting in the workshop will be based on the NDT Practice Model along with current information from research in neuroplasticity and neural adaptation and will focus on functional activities such as transfers, dressing, and walking. The seminar will include lecture and group discussion, interactive experiential laboratory practice, and a patient demonstration. This hand-on, practical workshop is relevant and critical for all nursing professions in all practice settings.

MANAGING ADULTS WITH HEMIPLEGIA—AN NDT/BOBATH PERSPECTIVE

Instructor: Katy Kerris, OT, C/NDT, CHT
Level: Introductory  Target Audience: PT, PTA, OT, OTA, SLP

This introductory level seminar will explore the assessment and treatment of the adults with hemiplegia using a problem solving approach and the tenets of NDT/Bobath. This class is designed to provide hands-on learning opportunities and a chance to improve clinical reasoning skills in the treatment of adult hemiplegia, as well as those with other neurologic conditions.

NEURODEVELOPMENTAL TREATMENT FOR SPEECH/LANGUAGE PATHOLOGISTS

Instructors: J. Lyndelle Owens, MCD, CCC-SLP, C/NDT and Marybeth Trapani-Hanasewych, M.S., CCC-SLP, C/NDT
Level: Introductory  Target Audience: SLP

This course is designed for the therapist who has experience applying the core information from our SLP programs. This course is aimed for the therapist treating Older Teenagers and Adults who have experienced Brain Injury or CVA. Have you ever asked “I know what I want to happen? But, the patient can’t do what I show or ask them to do.” Well this is the course for you. As instructors in the NDT Philosophy and analysis of motor movement, we treat the body holistically. Treating the systems involved in swallowing and breathing requires understanding the influences of the whole body. Day 1; Instructor(s) will provide a new set of tools for analysis of movement and treating patients with swallowing and respiratory issues. Day 2 will be focused on handling techniques to facilitate shaping of tongue, bolus propulsion, swallowing, respiration and phonatory control through facilitation of both body and speech/swallow mechanisms.
INTRODUCTION TO NEUROLOGICAL GAIT ASSESSMENT AND TRAINING: AN NDT PERSPECTIVE ON MOVEMENT ANALYSIS, TREATMENT AND HANDLING STRATEGIES

Instructor: Jodi A. Renard, PT, DPT, C/NDT  
Level: Introductory  
Target Audience: PT, PTA, OT, COTA

This 2-day course is an introduction to the Neuro-Developmental Treatment (NDT) philosophy as applied to the evaluation and treatment of adult hemiplegic patients as they function in standing and gait. Both normal gait and hemiplegic gait analysis will be reviewed including biomechanical requirements and movement components necessary for postural control in standing. Introduction to treatment strategies and treatment progressions for pre-gait and gait activities will be discussed. The course consists of a lecture and patient video presentation; interactive problem solving laboratory sessions; and handling skills practice sessions used to enhance function.

DEVELOPING MOVEMENT STRATEGIES FOR FUNCTION IN ADULTS WITH HEMIPLEGIA – AN INTRODUCTION TO THE NDT PERSPECTIVE

Instructor: Jodi A. Renard, PT, DPT, C/NDT  
Level: Introductory  
Target Audience: PT, PTA, OT, COTA

This 2-day course introduces the theory and treatment principles of the Neuro-Developmental Treatment Approach as currently applied to adults with hemiplegia resulting from stroke or traumatic brain injury. Unique to the NDT Approach is the emphasis on functional movement analysis; and the application of tactile feedback to enhance effective movement strategies for successful completion of meaningful, functional tasks. The course emphasizes a problem solving approach to patient assessment and treatment based on an understanding of functional limitations, system impairments and based on an understanding of functional limitations, system impairments and motor dysfunction. The information presented includes a discussion of the following topics: research supporting neurorecovery and neuroplasticity; identification of treatment variables that promote neuroplastic changes; and the application of complimentary treatment strategies to enhance functional outcomes. The course includes videotape presentations and a patient treatment demonstration by the instructor. Therapeutic handling techniques utilized in treatment to address motor dysfunction will be demonstrated and practiced in interactive problem-solving laboratory session.
BUILDING A STRONG FOUNDATION: OPTIMIZING FUNCTION OF THE WHOLE BODY USING THE NDT APPROACH

Instructors: Monica Diamond, PT, MS, NCS, C/NDT and Kris Gellert, OTR/L, C/NDT  
Level: Intermediate or Introductory  
Target Audience: PT, PTA, OT, COTA, SLP

Through lectures, labs, and patient demonstrations, participants will have an opportunity to develop their understanding and skill in treating the functional limitations of patients with neuromotor system impairments, across the continuum of care. Particular emphasis will be placed on the need for an understanding of the entire body, and the development of skills in the management of multiple body segments in order to achieve functional goals of all disciplines. Labs will provide an opportunity for assessment and practice of strategies for improving patient performance of mobility and ADL activities. Problem solving for individual patient needs will be discussed, demonstrated, and practiced.

Additional Optional Titles: Can I Get There from Here? Navigating the Whole Body for Optimal Outcomes Using the NDT Approach.

FACILITATING TRANSITIONAL MOVEMENTS EFFECTIVELY: AN NDT PERSPECTIVE

Instructor: Monica Diamond, PT, MS, NCS, C/NDT  
Level: Intermediate  
Target Audience: PT, PTA, OT, COTA, SLP

Through lectures, labs, and patient demonstrations, participants will have an opportunity to develop their understanding and skill in using transitional activities to remediate the treating of functional limitations of patients with neuromotor system impairments, across the continuum of care. Problem solving for individual patient needs will be discussed, demonstrated, and practiced. Can be offered as an introductory or intermediate level course.

MANAGEMENT OF UPPER EXTREMITY NEUROLOGICAL PROBLEMS USING NDT

Instructor: Monica Diamond, PT, MS, NCS, C/NDT  
Level: Intermediate  
Target Audience: PT, PTA, OT, COTA, SLP

The goal of this workshop is to challenge participants to improve their clinical management of the upper extremity functional limitations and underlying impairments of individuals with a diagnosis of stroke or other neurological pathology. Various upper extremity challenges will be discussed within a problem-solving framework. Labs will allow time for participants to learn and practice hands-on treatment strategies for specific problems in patients with various challenges and at various levels of function. Application of these concepts to the evaluation and treatment of an actual patient will be demonstrated, with participants actively involved in the problem-solving process.

Additional Optional Titles: NDT Update: Focus on the Upper Extremity or Align, Activate, Reeducate: NDT Treatment of the Upper Extremity or Align, Activate, Reeducate: Using NDT to Achieve Upper Extremity Goals or Management of Complex Upper Extremity Neurological Problems Using NDT: An Intermediate Level Course
FUNCTIONAL MANAGEMENT OF THE LOW LEVEL OR SEVERELY INVOLVED ADULT NEUROLOGICAL PATIENT USING NDT PRINCIPLES

Instructor: Monica Diamond, PT, MS, NCS, C/NDT  
Level: Intermediate  
Target Audience: PT, PTA, OT, COTA, SLP

Through lectures, labs, and patient demonstrations, participants will have an opportunity to develop their understanding and skill in treating the functional limitations of patients with neuromotor system impairments, with an emphasis on low level and severely involved patients. Labs will provide an opportunity for assessment and practice of strategies for improving patient performance of functional activities and ADLs. Problem solving for individual patient needs will be discussed, demonstrated, and practiced.

MANAGING ADULTS WITH HEMIPLEGIA: AN NDT/BOBATH PERSPECTIVE

Instructor: Monica Diamond, PT, MS, NCS, C/NDT  
Level: Intermediate  
Target Audience: PT, PTA, OT, COTA, SLP

Through lectures, labs, and patient demonstrations, participants will have an opportunity to develop their understanding and skill in treating the functional limitations of patients with neuromotor system impairments, across the continuum of care. Labs will provide an opportunity for assessment and practice of strategies for improving patient performance of functional activities and ADLs. Problem solving for individual patient needs will be discussed, demonstrated, and practiced.

(This course could be taught by a PT and an OT or SLP to provide a greater understanding of the interrelationship of parts of the body. The course will emphasize how different areas of the body are addressed in assessment and treatment, both directly and indirectly by different members of the team, to achieve patient goals.)

Additional Optional Titles: Align, Activate, Reeducate: Achieving Functional Outcomes with the Adult Neuro Patient Using the NDT Approach or Assessment and Treatment of the Whole Body (or Whole Person) Using the NDT Approach

NDT: FOCUS ON THE LEs AND GAIT

Instructor: Monica Diamond, PT, MS, NCS, C/NDT  
Level: Intermediate  
Target Audience: PT, PTA, OT, COTA, SLP

This workshop is designed to address practical considerations faced by the therapist in acute care or rehab who is attempting to assist patients to achieve independent transfers and ambulation. Format will be an initial lecture/overview of content, integrated with discussion and lab practice. Emphasis will be placed on strategies that can be immediately applied to patient care.

Additional Optional Title: Achieving Functional Gait Using NDT or Facilitating Walking: An NDT Perspective
NDT UPDATE

Instructor: Monica Diamond, PT, MS, NCS, C/NDT
Level: Intermediate  Target Audience: PT, PTA, OT, COTA, SLP

This course, designed as four, separate half-day topics, will challenge both new and experienced clinicians to take their treatments a step further. Goals include: problem-solving to determine the most appropriate system(s) to address in a session, development of treatment strategies that are specific to the individual’s impairments, and grading and modifying the strategy to achieve success in treatment. Elements of grading and modifying will be explored through interactive and hands-on sessions to determine ways to increase challenge or to decrease demand as appropriate for the individual patient.

USING TREATMENT ADJUNCTS WITH ADULT NEURO PATIENTS: AN NDT PROBLEM-SOLVING APPROACH

Instructor: Monica Diamond, PT, MS, NCS, C/NDT
Level: Intermediate  Target Audience: PT, PTA, OT, COTA, SLP

We are all exposed to the “latest and greatest” in treatment adjuncts, although some facilities have access to more options than others. Attend this course to step back and consider the rationale for use of adjuncts, and to explore the problem solving that is essential to achieving effective use of adjuncts. Opportunity will be provided for discussion and practice of splint fabrication for the upper and lower extremities, use of taping for different purposes, discussion of use of gait devices, and providing recommendations re: adjuncts such as botox.

Additional Optional Title: An NDT Problem Solving Approach to the Use of Adjuncts (with Adult Neuro Patients)
MANAGING THE UPPER QUADRANT AND ODDS AND ENDS OF DOCUMENTATION

Instructor: Cathy Hazzard, B.Sc, MBA, PT, C/NDT
Level: Intermediate  Target Audience: PT, OT, SLP, and Assistants

This 2-day workshop follows the NDT/Bobath philosophy and its clinical applications for individuals post stroke and brain injury. The course format will include interactive laboratory sessions, a patient demonstration, and group discussions. There will be two main focuses of the workshop:

1. Managing the Upper Quadrant: After reviewing the anatomy and efficient alignment of the UQ, we will explore a framework for facilitating recovery in the UE working through closed chain to modified chain, and beginning to open the chain. We will spend time both discussing and brainstorming intervention strategies in the framework as well as practicing handling within these strategies in labs.

2. We will discuss how to document your evaluation findings at a functional level incorporating objective and specific measurable outcomes.

WHERE TO START AND WHAT TO DO WITH LOW LEVEL PATIENTS

Instructor: Cathy Hazzard, B.Sc, MBA, PT, C/NDT
Level: Intermediate  Target Audience: PT, OT, SLP, and Assistants

This 2-day workshop follows the NDT/Bobath Philosophy and practice model, the ICF, and best practices in neurorehabilitation and neuroplasticity for working with individuals who are lower functioning, bilaterally involved, and/or in the early stages of recovery post stroke and brain injury. The course format will include interactive, experiential laboratory sessions, a patient demonstration, and group problem solving discussions. Topics to be covered include: assisting functional patterns of movement such as coming to sitting at the edge of the bed, sitting to standing, performing various transfers, and optimal bed and chair positioning, as well as management ideas for the early low tone shoulder and arm to optimize functional recovery.
ACHIEVING FUNCTIONAL OUTCOMES THROUGH THE LIFESPAN: FROM IMPAIRMENT IDENTIFICATION TO INTERVENTION STRATEGIES

**Instructors:** Cathy Hazzard, PTB.Sc, MBA, PT, C/NDT (Adults) and Madonna Nash, OT, C/NDT (Pediatrics)

**Level:** Intermediate (Adult & Peds)  
**Target Audience:** PT, OT, SLP, and Assistants

Practice and feedback are fundamental to learning new skills and relearning old ones. Meaningful interactions in the environment shape plasticity. This is true for our clients as well as for us as the therapists treating them. For therapists who were trained in NDT in pediatrics but are now working with children through the lifespan or have changed into adult practice, and for therapists who were trained in NDT with adults but are now working with children, do we need to do anything differently? Do the rules change? Are base of support, alignment, weight shifting, active support, and all those other concepts you learned in your NDT course the same with a different size body and neurological diagnosis? How do you get that larger person up on his/her feet and optimize his/her outcomes without play? How do you engage and play with a child while also treating them?

An Adult NDTA PT Instructor has teamed up with an NDTA Pediatric OT Instructor for this workshop. This 2-day seminar will focus on assessment and intervention choices across the lifespan using the NDT Practice Model. Case presentations and live patient demonstrations, small group practice, and group discussion will be included in the course format. We will discuss and practice handling, how to structure the environment, and making the right choices for tasks to optimize motor control during functional tasks.

ARM YOURSELF: TOOLS FOR IMPROVING FUNCTION IN THE UPPER LIMB USING AN NDT APPROACH

**Instructor:** Katy Kerris, OT, C/NDT, CHT

**Level:** Intermediate  
**Target Audience:** PT, PTA, OT, OTA, SLP

Improving the function of a hemiplegic upper extremity is one of the big challenges faced by a therapist. This lab-based class will give therapists a toolbox of ideas and techniques to be used in both assessment and treatment to get the most out of a hemiplegic upper limb.

TOOLBOX FOR WORKING WITH ADULTS WITH HEMIPLEGIA—AN NDT/BOBATH PERSPECTIVE

**Instructor:** Katy Kerris, OT, C/NDT, CHT

**Level:** Intermediate  
**Target Audience:** PT, PTA, OT, OTA, SLP

This introductory/intermediate level seminar will explore the assessment and treatment of the adults with hemiplegia using a problem solving approach and the tenets of NDT/Bobath. This class is designed to provide hands-on learning opportunities and a chance to improve clinical reasoning skills in the treatment of adult hemiplegia, as well as those with other neurologic conditions.
USING NDT TECHNIQUES TO IMPROVE ADL FUNCTION

Instructor: Katy Kerris, OT, C/NDT, CHT
Level: Intermediate  Target Audience: PT, OT, SLP

Adult neurologically involved patients want to return to independence in function as quickly as possible yet getting an underactive upper limb to participate in higher level ADL tasks is always a challenge. This 2-day lab based class will give therapists a toolbox of ideas and techniques to be used in both assessment and treatment to get the most out of a hemiplegic upper limb within ADL functional task performance.

AC HEIVING SPEECH THERAPY GOALS IN ADULTS WITH NEUROLOGICAL DIAGNOSES USING NEURO-DEVELOPMENTAL TREATMENT (NDT)

Instructor: J. Lyndelle Owens, MCD, CCC-SLP, C/NDT (may be taught with Monica Diamond, PT, MS, NCS, C/NDT)
Level: Intermediate  Target Audience: PT, OT, SLP

Participants will gain new insight into the dynamic control of the head, neck and trunk. The importance of stability of the base of support, and ways to achieve it, will assist the SLP to achieve better results in achieving speech goals. Video presentations will assist participants to recognize faulty coordination of the head, spine, rib cage and pelvis, and will illustrate how this lack of integration limits function. During labs, participants will learn to use NDT handling to facilitate components of head and trunk control and achievement of functional speech goals. Participants will also learn how facilitation of breathing, voicing and oral-motor control can enhance the achievement of goals of all the members of the rehab team. This course is also appropriate for occupational therapists and others involved in treatment during meal activities.

Additional Optional Title: Facilitating Control Of The Head, Neck And Trunk To Achieve Speech Goals In Adult Patients: An NDT/Bobath Course.

TREATMENT AND MANAGEMENT OF CLIENTS WITH BRAIN LESIONS: USING NDT HANDLING STRATEGIES

Instructor: Nicky Schmidt, PT, C/NDT
Level: Intermediate  Target Audience: PT, PTA, OT, COTA, SLP

This 2-day course will present specific handling strategies that can assist the clinician in treatment of adult neurological patients in acute and long term rehabilitation care settings. Basic principles of the NDT approach and ICF will be presented to guide the clinician in identifying key impairments that interfere with or restrict the patient’s movement and function. Participants will learn treatment strategies for improving balance in sitting and standing. They will also learn to facilitate functional movement for goal oriented tasks like scooting to the edge of a bed or chair, transitioning to standing, and how to begin using the UE actively for support and stability. Participants will also learn how to establish discipline specific goals related to the client’s functional limitations and discuss treatment strategies to enhance functional performance and outcome. The course format will involve lecture, laboratory time to practice treatment strategies on each other, and a patient demonstration performed by the instructor.
FACILITATION OF HIGHER LEVEL GAIT ACTIVITIES:
USING NDT HANDLING STRATEGIES

Instructor: Nicky Schmidt, PT, C/NDT  
Level: Intermediate  Target Audience: PT, PTA, OT, COTA

This course will include lecture, laboratory practice, and the assessment and treatment of an actual client with hemiparesis. The course will focus on analyzing and treating gait deviations commonly observed in adult patients with brain lesions. Participants will be taught NDT facilitation strategies to improve the patient’s functional performance in a variety of gait activities. Therapists will have an opportunity to practice a variety of treatment, handling skills that address stance stability, limb advancement, and balance during stepping and stair climbing activities. Problem solving the impairments, treatment plan, and functional outcome goals for a specific patient will be discussed and demonstrated.

NDT MASTER CLASS IN CLINICAL REASONING –
THE ‘WHAT TO THE HOW’

Instructor: Cathy Hazzard, B.Sc, MBA, PT, C/NDT  
Level: Specialty  Target Audience: PT, OT, SLP

This seminar will help you streamline your assessment to determine the most significant clinical impairments interfering with your clients’ function. This intensive 3 day workshop will include multiple patient treatment practicums to assist with identifying priority impairments and then making logical choices to treat within functional tasks. We will look at all segments of the kinetic chain including the arm-leg connection.
INTEGRATED TREATMENT STRATEGIES FOR THE RIB CAGE, SHOULDER GIRDLE, AND UPPER EXTREMITIES

Instructor: Rona Alexander, PhD, CCC-SLP, BCS-S, C/NDT and Gail Ritchie, OTR/L, C/NDT
Level: Introductory or Intermediate  Target Audience: PT, OT, SLP

This 3-day intermediate-level workshop has been designed to provide the therapist with an integrated approach to treatment of the rib cage, shoulder girdle, and upper extremities. A lab-intensive format will emphasize handling strategies with a strong kinesiological, anatomical, and developmental foundation. Treatment strategies will be addressed in the context of how they relate to discipline-specific functional goals.

NEURO-DEVELOPMENTAL TREATMENT (NDT) FOR PEDIATRIC SLP

Instructor: Rona Alexander, PhD, CCC-SLP, BCS-S, C/NDT
Level: Introductory  Target Audience: SLP

This 2-day workshop has been designed for Speech-Language Pathologists working with infants, children, and adolescents with neuromuscular involvement. Neuro-Developmental Treatment (NDT) is an interdisciplinary, hands-on, problem solving approach used in the evaluation and treatment of individuals with neurological pathophysiology resulting in neuromuscular and musculo-skeletal impairments. This course will introduce SLP to a foundation of knowledge in the NDT philosophy and how it applies to speech-language pathology especially in regard to treatment services for children with feeding and swallowing, respiratory-phonatory, and communication issues. Participants will engage in group movement labs for the practice of hands-on procedures focusing on the relationship between postural alignment and movement and changes in oral, pharyngeal, and respiratory function for the achievement of SLP-specific functional outcomes.

RIB CAGE: FOCUS ON THE RIB CAGE FOR IMPROVEMENT IN RESPIRATION, PHONATION, POSTURAL CONTROL, AND MOVEMENT

Instructor: Rona Alexander, PhD, CCC-SLP, BCS-S, C/NDT
Level: Introductory or Intermediate  Target Audience: PT, OT, SLP

This 3-day workshop will focus on the rib cage and its related structures as they impact on the coordination of respiratory function with general movement, phonation, and oral motor activities in infants and children with a primary diagnosis of cerebral palsy. Anatomical and kinesiological characteristics of the respiratory mechanism will be reviewed. Significant components of early typical respiratory and phonatory development will be explored especially in regard to their relationship to early general movement development. The respiratory coordination development and functioning of children with cerebral palsy will be examined and implications for intervention programming will be discussed. Treatment strategies with emphasis on handling to improve rib cage and respiratory musculature activity will be discussed and demonstrated extensively through group lab sessions and patient demonstrations.
PAEDIATRIC UPPER EXTREMITY HANDLING WORKSHOP – TOWARDS PARTICIPATION GOALS

Instructor: Kate Bain, HScD, OT, C/NDT
Level: Introductory  Target Audience: PT, OT, SLP

This course includes didactic, lab and video treatment demonstrations for participants to analyze typical and atypical task-based posture and movement control, focused on the upper extremities – in relation to other body segments. The central theme will be learning about and practising handling/treatment strategies towards goal-related functional change in requested daily tasks. In addition, participants will have an opportunity to learn about research in contemporary NDT, with a focus on functional outcome measurement related to, for example, upper extremity function.

FOUNDATIONS IN CONTEMPORARY PEDIATRIC NDT

Instructor: Lauren Miller Beeler, PT, DPT, PCS, C/NDT
Level: Introductory  Target Audience: PT, OT, SLP, and Licensed Assistants (COTA, PTA, SLPA)

This 2- or 3-day workshop is designed to provide pediatric therapy clinicians with more tools to enhance functional outcomes in children with neurologic diagnoses. Evidence from contemporary science and greater understanding of current theories in motor behavior are drawn upon to enhance clinical reasoning skills in Neuro-Developmental Treatment (NDT). Emphasis is placed on enhancing posture and movement observation and analysis skills as a basis for optimizing motor performance during functional tasks. Therapeutic handling is used to improve functional outcomes and achieve significant improvements in motor behavior in clients who have neuro-motor dysfunction. Participants practice handling skills through movement practicum with other course participants. Assessment and treatment demonstrations support and reinforce the practical application of the NDT approach. Assessment and treatment demonstrations assist workshop participants with the practical application of material that is presented through lectures, group problem solving and discussions, and movement practicum.
NDT BABY TREATMENT

Instructor: Lauren Miller Beeler, PT, DPT, PCS, C/NDT  
Level: Introductory  
Target Audience: PT, OT, SLP

Early identification and intervention are critical for optimizing an infant’s developmental and functional potential. This Neuro-Developmental Baby Treatment course focuses on identification and treatment of infants and toddlers, from birth to two years of age, who have neurological diagnoses or are at risk for neuro-motor problems. Research in movement sciences is drawn upon to enhance clinical reasoning and identify multifaceted and complex influences that impact motor development and motor behavior. Movement observation and analysis skills are emphasized as a basis for ongoing assessment and to inform intervention. A family centered approach to management and intervention, parent education and training is incorporated throughout course using the Neuro-Developmental Treatment (NDT) and management perspective.

Participants will practice treatment strategies with each other and on a doll. Patient assessment and treatment demonstrations provide opportunities for clinical application of course material and facilitate group discussions.

INTRODUCTION TO CONTEMPORARY NDT

Instructors: Suzanne Davis Bombria, PT, DPT, C/NDT  
Level: Introductory  
Target Audience: PT, OT, SLP, and Assistants

Neuro-Developmental Treatment (NDT) is one of the most utilized approaches with children who have neuromotor impairments. Find out what is new in NDT and how it relates to evidence-based practice. Move from science to direct clinical application in treatment for functional outcomes. In-depth assessment, analysis and treatment planning will be addressed in a format that leads the therapist to prioritized treatment strategies based on desired functional outcomes. Typical and atypical development will be studied to provide a framework for analysis. Methods of instruction include lecture, slides, video, practice labs, and live treatment demonstration.

NDT TREATMENT PERSPECTIVES

Instructor: Colleen Carey, DPT, C/NDT  
Level: Introductory  
Target Audience: PT, OT, SLP

This course is designed for the physical therapist, occupational therapist or speech & language pathologist seeking an understanding of the current Neuro-Developmental Treatment Approach (NDT) for infants and children with cerebral palsy and neuromotor disorders. This course is very attractive to clinicians who seek a better understanding of the NDT practice model and the use of handling and facilitation to enhance function. Course material will focus on basic concepts of theory, assessment, and treatment of the infant and child with cerebral palsy and neuromotor disorders. The course will include case studies to reinforce didactic information.
INTRODUCTION TO NDT: THE BASICS FOR PEDIATRIC THERAPIST

Instructor: Debbie Evans-Rogers, PT, PhD, PCS, C/NDT and Kim Westhoff, OTR/L, C/NDT
Level: Introductory  Target Audience: Pediatric PT, OT, SLP, and other professionals

This 2- or 3-day beginner level course will focus on introducing pediatric PT, OT, and SLP to NDT (Neurodevelopmental Treatment) handling techniques for the pediatric client with neuromotor challenges. Information presented will address current NDT principles including beginning assessment/evaluation and problem-solving handling techniques. Participants will be assisted to improve their observational skills and direct handling skills while problem solving using NDT techniques to improve function for their pediatric clients.

Both didactic lecture and hands-on labs will be presented throughout this course. Therefore, it is recommended that participants bring comfortable clothing for treatment labs. In addition to didactic information, direct handling with lab partners using problem-solving will enhance learning. Discussion will be included addressing current trends in pediatrics.

AN NDT TREATMENT APPROACH TO THE BABY

Instructor: Debbie Evans-Rogers, PT, PhD, PCS, C/NDT and Kim Westhoff, OTR/L, C/NDT
Level: Introductory or Intermediate  Target Audience: PT, OT, SLP

This course is designed for the pediatric therapist who desires to improve their assessment and intervention in the treatment of babies and young children. Utilizing both didactic lectures and labs during this course a solid foundation of typical and atypical components of motor development along with sensory components impacting development will be addressed. Direct handling will be discussed and practiced during labs working from an understanding of current Neuro-Developmental Treatment (NDT) approach to assessment and intervention.

OFF WE GO: UTILIZING THE NDT PRACTICE MODEL

Instructor: Jacqueline Grimenstein, PT, C/NDT, CKTP
Level: Introductory or Intermediate  Target Audience: PT, OT, SLP, and Assistants

Begin your journey into the world of NDT or expand your current knowledge with this course that will enhance your knowledge to the benefits of using NDT to treat the child with neurologic impairments and other pediatric disorders across the lifespan. Facilitation strategies for improved movement patterns and how to look at all aspects of the child to assess the primary area to address in treatment will be presented utilizing didactic, video and hands on lab format. Comfortable clothing for movement labs is recommended. This course is designed for the physical therapist, occupational therapist or speech & language pathologist. This course is very attractive to clinicians who seek a better understanding of the NDT practice model and the use of handling and facilitation to enhance function. Course material will focus on basic concepts of theory, assessment and treatment of the child with cerebral palsy and neuro-motor disorders. The course will include extensive lab sessions and case studies to reinforce didactic information.
STICKING TOGETHER: THE USE OF THERAPEUTIC TAPING UTILIZING
THE NDT FRAMEWORK

Instructor: Jacqueline Grimenstein, PT, C/NDT, CKTP
Level: Introductory  Target Audience: PT, OT, SLP, and Assistants

Enhance therapy outcomes in your pediatric clients, birth through adolescence, with neuro-motor impairments and issues with alignment utilizing taping and problem solving based on NDT principles presented in this course. Unlike many taping courses this course introduces you to a variety of materials that can be used to achieve improved postural alignment and facilitate muscle activation for enhanced performance. We will explore possible underlying causes for the malalignments and discuss the possible long term ramifications. Research has shown that taping alone is not sufficient to sustain change achieved over time and needs to be combined with practice repetition in the new alignment. We will explore problem solving utilizing the NDT Practice framework and how to use your conclusions to determine what taping media and techniques will be most effective. You will practice with several different materials on the other course participants to achieve specific objectives. Examples of intervention with children utilizing taping procedures will reinforce learning for clinical applications. Course includes videotapes and case studies.

POSTURAL CONTROL AND THE BABY: AN NDT GUIDE FOR TREATMENT

Instructor: Margo Prim Haynes, PT, DPT, MA, PCS, C/NDT
(This course may be taught with Jan McElroy, PT, PHD, PCS, C/NDT or another NDT certified therapist)
Level: Introductory  Target Audience: PT, OT, SLP, and Students

In this 2- or 3-day course, participants will examine the most current postural control literature and discuss how postural control theory and research can be blended with NDT concepts and intervention specific for babies. The information will be discussed within the framework of the NDT Clinical Practice Model with strategies to obtain maximal functional progress. Didactic information will be combined with daily labs and with baby observations for optimal application to infant examination/evaluation and intervention.

A DYNAMIC BASE OF SUPPORT: THE KEY TO ENHANCING FUNCTION

Instructor: Margo Prim Haynes, PT, DPT, MA, PCS, C/NDT and Mary Rose Franjoine, PT, DPT, MS, PCS, C/NDT
Level: Introductory  Target Audience: PT, OT, SLP, and Assistants

During this two-day course, participants will be introduced to the literature related to the development of postural control. Using various media, practice, small group discussions, and demonstration, participants will have the opportunity to identify typical and atypical patterns of muscle recruitment, and an active dynamic base of support. Participants will learn strategies to facilitate and guide selected functional activities by first identifying and creating a dynamic BOS. Participants will practice how to provide three-dimensional graded handling (sagittal, frontal, and transverse plane) facilitating the child to work from an active base for enhanced function. Clinical decision-making indicators that govern the selection, modification and fading of NDT-based handling strategies will be discussed.
CLINICAL PROBLEM SOLVING AND THERAPEUTIC HANDLING FOR FUNCTION – THE NDT WAY

Instructor: Margo Prim Haynes, PT, DPT, MA, PCS, C/NDT
Level: Introductory  Target Audience: PT, OT, SLP, and Assistants

This course will focus on strategies to advance the participant’s knowledge/practice in NDT-based problem solving and therapeutic handing to assist clients with mastery of age appropriate functional outcomes. Current literature will be blended into the NDT-based problem solving and therapeutic intervention discussions and practice. Specific characteristics of the postural system necessary to support postural control and stability in preparation for movement will be discussed. The movement system which addresses movement coordination of the upper and lower extremities will be analyzed in relationship to specific functional tasks. Focus will be on interactive learning and critical thinking to allow the participant to effectively select and practice clinically relevant treatment strategies for their clients based on age appropriate functional outcomes. Classroom and laboratory-based learning experiences coupled with video-based analysis of children and patient demonstrations will provide the clinician with knowledge and skills which can be applied upon return to the clinical environment.

A HANDS ON COURSE FOR PEDIATRIC THERAPISTS GEARED TOWARDS CHILDREN WITH QUADRIPLEGIC CEREBRAL PALSY VIA NDT

Instructor: Kacy Hertz, PT, C/NDT
Level: Introductory  Target Audience: PT, OT, SLP

This course will revisit and update information about NDT and assessment and detailed treatment addressing the needs of children with quadriplegic Cerebral Palsy. The course instruction includes didactic work, LABS and two practicums with children to allow hands on experience and practice. This is a great course for pediatric therapists who have treated children with Cerebral Palsy and have clinical questions regarding assessment and treatment, need new ideas and are ready to take the next step in problem solving the treatment of impairments for children with motor issues.

BABY TREATMENT VIA NDT: AN INTRODUCTORY COURSE FOR PEDIATRIC THERAPISTS

Instructor: Kacy Hertz, PT, C/NDT
Level: Introductory  Target Audience: PT, OT, SLP

This course provides an introduction to Assessment and Treatment of babies using a current NDT approach. Typical and atypical development from a sensory motor perspective, assessment and treatment will be covered for the first year of life. The participant will demonstrate handling skills on a doll and during LAB. A demonstration treatment will be presented on day two. This is a great course for the pediatric therapist who sees babies and wants to know how to apply handling techniques to little bodies. An 18-24 inch jointed doll for use during lab is recommended.
HANDLING INTENSIVE FOR CHILDREN WITH SENSORY MOTOR IMPAIRMENTS VIA NDT AN NDT-BASED COURSE FOR PEDIATRIC THERAPISTS

Instructor: Kacy Hertz, PT, C/NDT  
Level: Introductory  
Target Audience: PT, OT, SLP

This course provides an introduction to assessment and treatment using a current NDT approach. Assessment, task analysis, treatment planning, and treatment skills will be covered. This course is especially helpful to the therapist working with young children who have limited skills who require hands on to learn new tasks. Impairments of the trunk and ribcage, upper extremity and lower extremity will be addressed through didactic information, video clips and LAB. There will also be a practicum with children each day so the participant can experience a new treatment sequence.

This course is appropriate for pediatric physical, occupational and speech therapists new to the field, changing their emphasis to pediatrics and therapists who want to improve their handling skills for improving their client’s function.

TWO-DAY GAIT COURSE FOR CHILDREN WITH CEREBRAL PALSY VIA NDT

Instructor: Kacy Hertz, PT, C/NDT  
Level: Introductory  
Target Audience: PT, OT, SLP

This is a basic/intermediate level course that will cover specific assessment tools for the lower extremity, development of different types of gait problems, and treatment of the same problems. The gait cycle and common impairments seen in children with cerebral palsy will be covered. The participant will develop a problem solving approach for assessment and treatment of equinus gait, lateral and medial rotation gait, crouched gait, and lateral flexion gait. Adjuncts to treat biomechanics and use of orthotics will be discussed.

MOVING INTO NDT FOR PEDIATRIC SLP: AN INTRODUCTION TO NEURODEVELOPMENTAL TREATMENT

Instructor: Therese McDermott-Winter, MHS, CCC-SLP, C/NDT  
Level: Introductory  
Target Audience: SLP

NDT is a dynamic, hands-on, problem solving approach used in the treatment of children with central nervous system (CNS) pathophysiology. Intervention involves direct handling to optimize function. This introductory NDT course has been specifically developed for Speech/Language Pathologists with a goal of facilitating a greater comfort level with components of movement, handling, postural stability/balance and alignment as they impact our treatment of children with neuromotor based speech production, communication and feeding/swallowing limitations. In addition to information regarding observation/assessment of posture, stability and alignment, the course focus will be on application and modification of treatment strategies for the individual client. Demonstration and practical labs will allow participants the opportunity to explore movement, handling and concepts presented in this course.
THE ABCs OF NDT FOR SPEECH THERAPISTS –
AN INTRODUCTION TO NEURO-DEVELOPMENTAL TREATMENT

Instructor: Carmen Pagan, MA, CCC-SLP, C/NDT
Level: Introductory Target Audience: SLP and Assistants

This 2-day course is designed for Speech Language Pathologists and Speech Therapist Assistants working with children diagnosed with neuromuscular disorders. NDT is a dynamic, hands-on, problem solving approach used in the treatment of children with central nervous system (CNS) pathophysiology. Intervention involves direct handling to optimize function. This introductory course is intended as a preparatory course for SLP interested in taking other NDTA sponsored courses and/or the “NDT/Bobath Certificate Course in the Management and Treatment of Children with Cerebral Palsy and Other Neuromotor Disorders.” Furthermore, participants in this course will learn options to enhance functional outcomes and will heighten clinical reasoning skills through observation and analysis of posture and movement, as they are tied to patient’s functional outcomes. Practical application of material will be presented through lecture, video clips, movement practicum, group problem solving and discussions.

FACILITATING GAIT: AN UNDERSTANDING OF LOWER EXTREMITY BIOMECHANICS FROM AN NDT PERSPECTIVE

Instructor: Leslie Paparsenos, PT, MS, C/NDT
Level: Introductory Target Audience: PT, OT, SLP, and Assistants

This workshop is designed to provide an overview of lower extremity biomechanics, followed by practical application of facilitation techniques to assist patients in achieving functional transfers and ambulation. The format will be initial lecture, integrated with discussion and lab practice. The emphasis will be placed on practical applications that participants will be able to bring to their practice.

AN INTRODUCTION TO CONTEMPORARY NDT

Instructor: Leslie Paparsenos, PT, MS, C/NDT
Level: Introductory Target Audience: OT, PT, SLP, and Assistants

This workshop is designed provide information related to the evaluation and treatment of children with cerebral palsy and other neuromuscular disorders. It includes assessing a client according to the ICF model and utilizing task analysis to organize and provide effective treatment strategies. The format will be lecture, patient demonstrations, and lab opportunities. The emphasis will be placed on practical applications that participants will be able to bring to their practice.
**LET’S PLAY BALL**

Using Movable Surfaces During Your Treatment of Children with Neuromotor Disorders, an NDT Perspective

**Instructor:** Leslie Paparsenos, PT, MS, C/NDT  
**Level:** Introductory  
**Target Audience:** PT, OT, SLP, and Assistants

This workshop is designed to provide lab opportunities that will focus on learning to use movable surfaces as effective therapy tools. It includes assessing a client according to the ICF model, writing functional outcomes, and utilizing task analysis to organize and provide effective treatment strategies. Many facilitation techniques using movable surfaces will be demonstrated and practiced. This course will require active participation in labs, as a therapist and as a “client.” Please be aware of your own physical limitations. Loose, comfortable clothing, ideally shorts and tops, should be worn. Please bring a ball suitable for you sit on at approximately 90/90. The format will be initial lecture, integrated with discussion, and lab practice. The emphasis will be placed on practical applications that participants will be able to bring to their practice.

**APPLYING THE NDT PRACTICE MODEL FOR INFANTS & TODDLERS TO PRODUCE FUNCTIONAL SKILLS**

**Instructor:** Jane Styer-Acevedo, PT, DPT, C/NDT  
**Level:** Introductory  
**Target Audience:** PT, OT, SLP, and Assistants

We are all looking to optimize the functional abilities of the infants and children we treat in an outpatient or hospital setting and in their natural environments. This introductory level 2-day course teaches how to promote functional achievements and abilities using the current NDT Clinical Practice Model philosophy through lecture, assessment and treatment demonstrations, videos, and most importantly, experiential lab. You will compare and contrast typical and atypical development as it applies to your client population with an emphasis on transitions from the floor up to vertical and early gait, how to enhance the abilities of the toddler in all vertical developmental areas, and how to promote improved function in a toddler with motor and sensory challenges. If you are looking for ways to rejuvenate your sessions and improve your client's abilities, look no further! Prior assessment and treatment experience and working knowledge of the ICF Model is highly recommended.
INTRODUCTION TO NEURO-DEVELOPMENTAL TREATMENT FOR PEDIATRICS

Instructor: Jane Styer-Acvedo, PT, DPT, C/NDT
Level: Introductory  Target Audience: PT, OT, SLP, and Assistants

This 2-day course is designed for the therapist who treats or wants to treat pediatric clients (birth to 21 years of age) with neurological deficits. It is highly recommended for PT, OT, SLP, and assistants and has a major focus on movement experiences in lab. It includes the most current philosophy and principles of the NDT Clinical Practice Model, compares atypical to typical development, assesses clients using the ICF Model, and has a strong emphasis on task analysis in order to write effective goals so that an effective and efficient treatment session can be planned and executed.

NEURO-DEVELOPMENTAL TREATMENT APPROACH TO PEDIATRIC GAIT

Instructor: Jane Styer-Acvedo, PT, DPT, C/NDT
Level: Introductory  Target Audience: PT, OT, and Assistants

This course is designed for Physical and Occupational Therapists and their assistants treating children with neurological deficits who are acquiring gait, desire to have vertical mobility such as walking, or who currently function in vertical. The acquisition of typical gait and function in vertical will be studied in toddlers and children via slides, videos, and demonstrations. Contemporary philosophy of the NDT Approach will be shared as it relates to function in vertical. Major emphasis will be placed on movement experiences to learn treatment strategies with other course participants.

HANDLING INTENSIVE TO IMPROVE CORE STABILITY TOWARDS FUNCTIONAL SKILLS

Instructor: Jane Styer-Acvedo, PT, DPT, C/NDT
Level: Introductory  Target Audience: PT, OT, SLP, and Assistants

This introductory to intermediate level 2-day course will combine lecture, experiential lab, group problem solving, and an assessment and treatment demonstration for Physical, Occupational, & Speech Therapists and Assistants who are currently treating or are interested in treating clients with neuromuscular and sensory/perceptual impairments and dysfunction. Content will focus on core strength and postural control as the foundation for functional skills using the head, neck, and limbs. Foundational information will be contrasted with the challenges demonstrated in clients throughout the lifespan with developmental, neuromuscular, and/or sensory/perceptual difficulties. Emphasis will be placed on common therapeutic strategies used in handling clients of a variety of ages and sizes towards gaining core stability for functional outcomes/goals. This workshop is practical in nature with much of the content including moving one another in lab. It is essential to wear clothes that allow you to move freely and to feel or visualize another participant’s joints and movement. This is a workshop “not to be missed” if you’ve ever wondered why fluidity of movement is easier for some individuals and more challenging for others and why some children achieve higher levels of activity and participation.
ON THE MOVE: NEURO-DEVELOPMENTAL TREATMENT APPROACH FOR INFANTS & TODDLERS

Instructor: Jane Styer-Acevedo, PT, DPT, C/NDT and Kate Bain, OT, HScD, C/NDT
Level: Introductory  Target Audience: PT, OT, SLP

The emphasis of this course is to promote continued analysis and problem solving towards identified functional outcomes in infants and toddlers who present with neurological challenges. Updates to theory and postural control and movement will be reviewed to ensure that all therapists are current on concepts and practice. Typical and atypical development will be reviewed via slides, video, and observation of infant and toddler movement. Therapists will have the opportunity to facilitate movement transitions appropriate for the infant & toddler population on another adult or doll in lab. Participants will also be given the opportunity to identify the strengths and challenges of an infant & toddler via instructor assessment and treatment demonstration.
LINKING PLAY TO FUNCTION: UTILIZING NEURODEVELOPMENTAL AND SENSORY INTEGRATION STRATEGIES TO FACILITATE FUNCTIONAL SKILLS THROUGH PLAY

Instructors: Lezlie Adler, OT, C/NDT  
Level: Intermediate  
Target Audience: PT, OT, SLP

This workshop will focus on play as a vehicle for learning for children with developmental challenges. Current information on Neuro Developmental Treatment and Sensory Integration will provide the foundation for analyzing and applying play to assessment and intervention with children of all ages to attain functional skills.

ANALYZE THIS: NDT & FUNCTIONAL ACTIVITY ANALYSIS

Instructor: Lezlie Adler OT, C/NDT and Kim Westhoff, OTR/L, C/NDT  
Level: Intermediate or Specialty  
Target Audience: PT, OT, SLP

Do you ever struggle with where to begin and how to get to the hands during real life tasks? Then this course is for you! During this advanced level course we will look at what it takes to complete a designated daily task. We will look closely at postural control, dynamic shoulder capacity, elbow, forearm, and hand essentials + sensory contributions, and cognitive problem solving during these tasks. We will use actual clients and typical children doing specific daily tasks through case studies and/or video clips. Small group problem-solving and hands on labs will be utilized to practice treatment strategies/techniques and treatment planning. This advanced course is geared for OT’s, PT’s, SLP’s and others interested in helping their kids to participate in desired, age appropriate daily activities. This course is a “must attend” course to have the tools needed to critically look at participation activities and begin to prioritize treatment for successfully meeting those goals.

RIB CAGE: FOCUS ON THE RIB CAGE FOR IMPROVEMENT IN RESPIRATION, PHONATION, POSTURAL CONTROL, AND MOVEMENT

Instructor: Rona Alexander, PhD, CCC-SLP, BCS-S, C/NDT  
Level: Introductory or Intermediate  
Target Audience: PT, OT, SLP

This 3-day workshop will focus on the rib cage and its related structures as they impact on the coordination of respiratory function with general movement, phonation, and oral motor activities in infants and children with a primary diagnosis of cerebral palsy. Anatomical and kinesiological characteristics of the respiratory mechanism will be reviewed. Significant components of early typical respiratory and phonatory development will be explored especially in regard to their relationship to early general movement development. The respiratory coordination development and functioning of children with cerebral palsy will be examined and implications for intervention programming will be discussed. Treatment strategies with emphasis on handling to improve rib cage and respiratory musculature activity will be discussed and demonstrated extensively through group lab sessions and patient demonstrations.
INTEGRATED TREATMENT STRATEGIES FOR THE RIB CAGE, SHOULDER GIRDLE, AND UPPER EXTREMITIES

Instructor: Rona Alexander, PhD, CCC-SLP, BCS-S, C/NDT and Gail Ritchie, OTR/L, C/NDT
Level: Introductory or Intermediate  Target Audience: PT, OT, SLP

This 3-day intermediate-level workshop has been designed to provide the therapist with an integrated approach to treatment of the rib cage, shoulder girdle, and upper extremities. A lab-intensive format will emphasize handling strategies with a strong kinesiological, anatomical, and developmental foundation. Treatment strategies will be addressed in the context of how they relate to discipline-specific functional goals.

PEDIATRIC CLINICAL REASONING: CONTEMPORARY NDT PERSPECTIVES

Instructor: Lauren Miller Beeler, PT, DPT, PCS, C/NDT
Level: Intermediate  Target Audience: PT, OT, SLP

This intermediate level course is designed to provide pediatric therapists with opportunities to expand clinical reasoning skills used in assessment and treatment planning to improve functional outcomes for children with neuromotor disorders. Emphasis is directed at the observation and analysis of the quality of motor performance to assist in developing strategies that can optimize function and participation while ameliorate or prevent secondary problems stemming from repetitive use of ineffective and inefficient posture and movement. Short video clips of assessment of children will be used to facilitate discussion of clinical reasoning for assessment and treatment planning prior to seeing a child for a treatment demonstration. The treatment demonstration observation will be followed by further group discussion and supplemented with movement labs with other course participants.

LET’S GET WALKING! GAIT IN PEDIATRICS

Instructors: Suzanne Davis Bombria, PT, DPT, C/NDT
Level: Intermediate  Target Audience: PT, PTA

This evidence-based course covers the evaluation and treatment of gait in children from a contemporary NDT perspective. Analyze the components and synergies associated with gait, from the acquisition of gait and its underlying components, to the challenge of changing gait in children with a well-established pattern. Clinicians will increase both their knowledge base and hands-on skills in order to further the child’s functional level. Course instruction will include lecture, lab, video case studies, and live demonstrations.
CONTEMPORARY NDT TREATMENT OF THE BABY AND YOUNG CHILD

Instructor: Suzanne Davis Bombria, PT, DPT, C/NDT
Level: Intermediate  Target Audience: PT, OT, SLP, and Assistants

Gain skills in how to assess and treat babies from birth to three years of age with known or suspected neuromotor impairments. Explore how current research and a thorough understanding of typical development can help guide your treatment and make it more specific. Develop an understanding of the parent perspective and the stages a parent may be going through. Find out how to create meaningful family activities and how to modify baby equipment in order to maximize the baby’s and young child’s potential. An emphasis is placed on the practical application of treatment strategies to gain meaningful functional outcomes appropriate for this age group, and how to incorporate therapeutic strategies into family life.

CONTEMPORARY NDT HANDLING INTENSIVE FOR NEURO-PEDIATRICS

Instructor: Suzanne Davis Bombria, PT, C/NDT
Level: Intermediate  Target Audience: PT, OT, SLP, and Assistants

How much is too much, how much is too little, what is just right? Develop the ability to grade your NDT handling skills in order to assist the children you work with to achieve their desired functional outcomes. Using the ICF Model, learn how to analyze the specific needs of each unique child in order to develop an effective treatment plan. In this lab-focused course, therapists will develop, enhance and practice their hands-on skills in order to apply them successfully with children with neuromotor impairments for their chosen function.

NEW HORIZONS IN NEURO-PEDIATRICS:
USING GAS TO FOCUS TREATMENT AND MEASURE CHANGE

Instructors: Suzanne Davis Bombria, PT, C/NDT and Kate Bain, OT, C/NDT
Level: Intermediate  Target Audience: PT, OT, SLP

As pediatric therapists we are challenged to use Evidence Based Practice. In this exciting interactive course, discover how to demonstrate measurable change in your children at all levels of impairment. Research shows that the Goal Attainment Scale captures 20% more change in outcomes than other more traditional methods. Therapists will practice integrating the GAS & ICF model to plan treatment, carry out effective treatment strategies, and document measurable functional gains made using actual video cases. Video clips of babies, children and teenagers (0 –18y) will be utilized in mini case studies to illustrate the concepts. The chosen clips will represent performance of a wide variety of daily tasks requested for focus within NDT sessions by the family and child, and pertinent to each age level.

The subjects of these videos include those with a variety of classifications of cerebral palsy such as an increase, decrease or fluctuation in postural tone, including individuals with different classifications of hemiplegia, diplegia and quadriplegia and with varying degrees of severity. In summary, video clips will illustrate performance of and intervention for, a wide variety of individually chosen and requested daily tasks, by individuals with cerebral palsy or allied developmental disabilities, with GMFCS classifications from I to V.
FACILITATION FOR FUNCTION: A NDT PEDIATRIC HANDLING COURSE FOR BABIES AND BEYOND

Instructor: Colleen Carey, DPT, C/NDT  
Level: Intermediate  
Target Audience: PT, OT, SLP

This course is designed for the physical therapist, occupational therapist or speech & language pathologist seeking an understanding of the current Neuro-Developmental Treatment Approach (NDT) for infants and children with cerebral palsy and neuromotor disorders. This course is very attractive to clinicians who seek a better understanding of the NDT practice model and the use of handling and facilitation to enhance function in baby and young child. Course material will focus on basic concepts of the NDT Practice Model and will address how alignment and weight shift control develop through typical development. The course will include case studies to reinforce didactic information. Extensive lab sessions will aid the learner in development of facilitation technique to promote functional outcomes in babies and young children.

NDT HANDLING & PROBLEM SOLVING FOR THE PEDIATRIC CLIENT

Instructor: Colleen Carey, DPT, C/NDT  
Level: Intermediate  
Target Audience: PT, OT, SLP

This course is designed for the pediatric physical therapist and pediatric occupational therapist seeking an advanced understanding of the current Neuro-Developmental Treatment Approach (NDT) for children with cerebral palsy and neuromotor disorders. This course is very attractive to clinicians who seek a better understanding of NDT intervention and facilitation to enhance function. Course material will focus on assessment and handling of the child with cerebral palsy and neuromotor disorders. The course will include lab sessions, practicum sessions, and case demonstrations to reinforce didactic information.

NDT FOR THE YOUNG CHILD: CRITICAL WINDOWS OF INTERVENTION

Instructor: Colleen Carey, DPT, C/NDT  
Level: Intermediate  
Target Audience: PT, OT, SLP

This course is designed for the pediatric physical therapist and pediatric occupational therapist seeking an understanding of the current Neuro-Developmental Treatment Approach (NDT) for infants and children with cerebral palsy and neuromotor disorders. This course is very attractive to clinicians who seek a better understanding of the critical windows of intervention and facilitation to enhance function. Course material will focus on concepts of theory, assessment, and treatment of the infant and children with cerebral palsy and neuromotor disorders. The course will include extensive lab sessions and case studies to reinforce didactic information.
STARTING OUT RIGHT: USING NDT WITH INFANTS AND YOUNG CHILDREN

**Instructor:** Colleen Carey, DPT, C/NDT  
**Level:** Intermediate  
**Target Audience:** PT, OT, SLP

This course is designed for the physical therapist, occupational therapist, or speech & language pathologist seeking an understanding of the current Neuro-Developmental Treatment Approach (NDT) for infants with cerebral palsy and neuromotor disorders. This course is very attractive to clinicians who seek a better understanding of the NDT practice model and the use of handling and facilitation to enhance function. Course material will focus on basic concepts of theory, assessment, and treatment of the infant with cerebral palsy and neuromotor disorders. The course will include extensive lab sessions and case studies to reinforce didactic information.

IMPROVING GAIT AND MOBILITY FOR PEDIATRIC CLIENTS: A BLEND OF EBP AND DIRECT HANDLING USING NDT

**Instructor:** Debbie Evans-Rogers, PT, PhD, PCS, C/NDT  
**Level:** Intermediate  
**Target Audience:** PT, OT, SLP

This 2-day workshop on gait and mobility for the pediatric client has been designed for pediatric therapists working with children having neuromotor difficulties. The focus will be on understanding functional limitations and specific strategies to improve postural control, gait, and mobility with children. Participants will be provided recent research using evidence-based practice and direct handling techniques using NDT.

NDT DYNAMIC BALL COURSE – KEEP IT ACTIVE! HAVING FUN AND LEARNING TECHNIQUES WITH ADJUNCTS FOR THE PEDIATRIC POPULATION

**Instructor:** Debbie Evans-Rogers, PT, PhD, PCS, C/NDT and Kim Westhoff, OTR/L, C/NDT  
**Level:** Intermediate, Specialty  
**Target Audience:** PT, OT, SLP

This intermediate level NDT course for pediatric therapists will focus on utilizing NDT handling techniques for clients with neuromotor challenges using dynamic surfaces such as bolsters and balls. Information presented will address current NDT philosophy using the ICF model with assessment/evaluation and intervention techniques. A variety of adjunctive therapy tools will be discussed with a focus on dynamic, moveable surfaces to facilitate postural control and functional movement. Participants will be assisted to improve their observational and direct handling skills utilizing movement labs for experiencing dynamic surfaces individually and with partners. Both didactic lecture and hands-on labs will be presented throughout this course; it is recommended that participants bring comfortable clothing for treatment labs. In addition to didactic and handling labs, videos and small group problem-solving labs may be used to further enhance learning. Equipment required: Each individual participant should bring a therapy ball-minimum diameter (green ball size).
AN NDT TREATMENT APPROACH TO THE BABY

Instructor: Debbie Evans-Rogers, PT, PhD, PCS, C/NDT and Kim Westhoff, OTR/L, C/NDT
Level: Intermediate or Introductory  Target Audience: PT, OT, SLP

This course is designed for the pediatric therapist who desires to improve their assessment and intervention in the treatment of babies and young children. Utilizing both didactic lectures and labs during this course a solid foundation of typical and atypical components of motor development along with sensory components impacting development will be addressed. Direct handling will be discussed and practiced during labs working from an understanding of current Neuro-Developmental Treatment (NDT) approach to assessment and intervention.

SENSATIONAL EFFECTS: TREATING THE WHOLE CHILD USING NDT AND SENSORY TECHNIQUES

Instructor: Debbie Evans-Rogers, PT, PhD, PCS, C/NDT and Kim Westhoff, OTR/L, C/NDT
Level: Intermediate, Specialty  Target Audience: PT, OT, SLP

This 2-day course on NDT handling and sensory ideas for the pediatric client has been designed for pediatric therapists working with children having neuromotor difficulties. Content will focus on combining both didactic information and labs addressing assessment/evaluation skills with problem-solving; identifying functional limitations and impairments and sensory issues impacting function; and use of direct NDT handling intervention principles while incorporating current pediatric research. Core strength and postural control will be emphasized using specific hands-on strategies to improve functional mobility and postural stability with children. Participants will be assisted to improve their observational skills and direct handling skills while problem solving using NDT and sensory-motor techniques.

This course will include both lecture and hands-on labs throughout. Participants need to bring comfortable clothing (shorts/sleeveless shirts) for treatment labs.

COMBINING HANDLING AND PLAY: AN NDT APPROACH TO THE BABY

Instructor: Debbie Evans-Rogers, PT, PhD, PCS, C/NDT and Kim Westhoff, OTR/L, C/NDT
Level: Intermediate  Target Audience: PT, OT, SLP

Lecture and lab presentations will address critical typical and atypical components of motor development, play, and sensory issues impacting the early intervention population. Assessment and problem-solving strategies will be blended with direct NDT handling intervention principles while incorporating current pediatric research.

This course will incorporate didactic information, videos, and hands-on labs for facilitating optimal function of infants and young children with cerebral palsy and other neuromotor disorders. Discussion will be included addressing current trends in early intervention. Participants need to bring comfortable clothing for treatment labs and one preferred toy used with the birth to three population.
NDT INTERVENTION FOR CHILDREN WITH NEUROMOTOR DISORDERS

Instructor: Debbie Evans-Rogers, PT, PhD, PCS, C/NDT and Kim Westhoff, OTR/L, C/NDT
Level: Intermediate  Target Audience: PT, OT, SLP

This 2- or 3-day workshop on NDT intervention strategies including direct handling for the pediatric client has been designed for pediatric therapists working with children having neuromotor difficulties. The focus will be on understanding current NDT theories and principles incorporating the ICF model and applying this to pediatric intervention. Functional limitations and impairments will be addressed using specific hands-on strategies to improve functional mobility and postural control with children. Participants will be assisted to improve their handling skills while problem-solving using NDT.

PUTTING THE PIECES TOGETHER: AN NDT HANDLING INTENSIVE FOR CHILDREN

Instructor: Debbie Evans-Rogers, PT, PhD, PCS, C/NDT and Kim Westhoff, OTR/L, C/NDT
Level: Intermediate  Target Audience: PT, OT, SLP

This 2- or 3-day intermediate level course will focus on utilizing NDT handling techniques for the pediatric client with neuromotor challenges including hyper/hypotonicity. Information presented will address assessment/evaluation skills with problem-solving; identifying functional limitations and impairments impacting function; and use of handling techniques within treatment. Participants will be assisted to improve their observational skills and direct handling skills while problem solving using NDT techniques.

Both didactic lecture and hands-on labs will be presented throughout this course. Therefore, it is recommended that participants bring comfortable clothing for treatment labs. In addition to didactic and handling labs, videos, patient demonstrations, and problem-solving labs may be used to further enhance learning. Discussion will be included addressing current trends in early intervention.
EXAMINING FUNCTIONAL BALANCE AND MOBILITY ON THE CHEAP: QUICK, EASY, CLINICAL FRIENDLY MEASURES

**Instructor:** Mary Rose Franjoine, PT, DPT, Ms, C/NDT, PCS and Nancy Darr, PT, DSc, C/NDT, NCS  
**Level:** Intermediate  
**Target Audience:** PT, OT

Enhancing a child’s functional abilities is key for the NDT therapist. Examining functional capabilities is a critical component of the NDT examination process and is essential if therapist are to demonstrate that meaningful change has occurred as a result of skilled intervention. This course will focus on how to select the right tools to document function and demonstrate change in a child’s functional balance and mobility. The interactive nature of this course will offer participants hands on experiences with administration and scoring of functional measures of balance and mobility. The measures featured in this course are all easily accessible, inexpensive, have strong psychometric properties, and are suitable for use with children in the clinic, school or community. Measures include the Pediatric Balance Scale (PBS), the Early Clinical Assessment of Balance (ECAB), the Pediatric Clinical Test of Sensory Interaction and Balance (ped-CTSIB), Forward Reach Test (FRT), Lateral Reach Test (LRT), Timed Floor to Stand (TFTS), Timed-Up and Go (TUG), the Timed Up and Down Stairs (TUDS), Dynamic Gait Index (DGI), The Functional Gait Assessment (FGA) and the Standardized Walking Obstacle Course (SWOC). Gaming systems and apps, which provide novel measures of steady-state balance will also be introduced the clinical and psychometric properties, administration guidelines, scoring and interpretation of findings will be discussed. Analysis of video-based patient examination sessions will enable participants to practice scoring, to discuss interpretation and clinical relevance of the findings, and to perform a comparative analysis of the tools and apps.

OFF WE GO: UTILIZING THE NDT PRACTICE MODEL

**Instructor:** Jacqueline Grimenstein, PT, C/NDT, CKTP  
**Level:** Intermediate or Introductory  
**Target Audience:** PT, OT, SLP, and Assistants

Begin your journey into the world of NDT or expand your current knowledge with this course that will enhance your knowledge to the benefits of using NDT to treat the child with neurologic impairments and other pediatric disorders across the lifespan. Facilitation strategies for improved movement patterns and how to look at all aspects of the child to assess the primary area to address in treatment will be presented utilizing didactic, video and hands on lab format. Comfortable clothing for movement labs is recommended. This course is designed for the physical therapist, occupational therapist or speech & language pathologist. This course is very attractive to clinicians who seek a better understanding of the NDT practice model and the use of handling and facilitation to enhance function. Course material will focus on basic concepts of theory, assessment and treatment of the child with cerebral palsy and neuro-motor disorders. The course will include extensive lab sessions and case studies to reinforce didactic information.
NDT AND CIMT: A BLENDING OF INTERVENTIONS TO ENHANCE FUNCTION FOR KIDS WITH HEMIPLEGIC CP

Instructor: Margo Prim Haynes, PT, DPT, PCS, C/NDT
(This course may also be taught by Margo and Holly Holland OTR, C/NDT)
Level: Intermediate  Target Audience: PT, OT, and Assistants

Neuro-Developmental Treatment (NDT) and Constraint Induced Movement Therapy (CIMT) are intervention strategies used effectively with children with hemiplegic cerebral palsy (CP). Both interventions focus on active practice to optimize function. CIMT involves constraint of the less involved upper extremity during function. NDT facilitates optimal postural control and symmetry incorporating unilateral, bilateral, and bimanual strategies to enhance function. Participants will learn strategies to integrate NDT and CIMT intervention to support fine motor and gross motor function in children with hemiplegic CP. Current evidence supporting NDT and CIMT is discussed. Key impairments that impact children with hemiplegic CP that are critical to address for optimal function are described. Intervention strategies based on NDT concepts, which include handling to impact postural control, and symmetry is incorporated in this NDT/CIMT intervention program.

DEVELOPING UPRIGHT FUNCTION AND GAIT FOR CHILDREN: AN NDT CLINICAL PRACTICE APPROACH

Instructor: Margo Prim Haynes, PT, DPT, MA, PCS, C/NDT and Mary Rose Franjoine, PT, DPT, MS, PCS, C/NDT
Level: Intermediate  Target Audience: PT, PTA

This course offers the participants a unique blend of lecture, laboratory, and small group problem solving activities designed to enhance their clinical reasoning and hands on intervention skills. This course will focus on the development and refinement of clinical strategies for the enhancement of functional upright mobility. The postural control demands of upright function will be explored within the context of the development of functional gait, refinement of upright mobility and the analysis of gait dysfunction. Functionally based clinical outcome measures that guide the development of a plan of care will be discussed. Intervention will be presented from a theoretical and clinical perspective exploring principles and application of motor learning and motor control. Laboratory experience will emphasize hands on NDT based intervention strategies.

USING THE NDT CLINICAL PRACTICE, INCREASE YOUR FACILITATION SKILLS ON MOVABLE SURFACES!

Instructor: Lisa Madigan-Carey, PT, MS, C/NDT
Level: Intermediate  Target Audience: PT, OT, SLP, and Assistants

A 2-day, lab-focused course on using moveable surfaces in your clinical treatment practice, to target functional outcomes. Using the ICF model for client assessment, an emphasis will be placed on your observation and analyses of movement to better direct your treatment planning and patient care. Facilitation techniques will be demonstrated and practiced on moveable surfaces. In these two days, you will be working on each other on and off moveable surfaces to enhance your facilitation skills. Please be aware of your own physical limitations. This course will utilize lecture/lab/problem solving and treatment videos. Lab attire required, loose comfortable clothing, preferable shorts and short sleeve top.
ACHIEVING FUNCTIONAL OUTCOMES THROUGH THE LIFESPAN: FROM IMPAIRMENT IDENTIFICATION TO INTERVENTION STRATEGIES

Instructors: Madonna Nash, OT, C/NDT (Pediatrics) and Cathy Hazzard, PTB.Sc, MBA, PT, C/NDT (Adults)
Level: Intermediate (Adult & Peds)  Target Audience: PT, OT, SLP, and Assistants

Practice and feedback are fundamental to learning new skills and relearning old ones. Meaningful interactions in the environment shape plasticity. This is true for our clients as well as for us as the therapists treating them. For therapists who were trained in NDT in pediatrics but are now working with children through the lifespan or have changed into adult practice, and for therapists who were trained in NDT with adults but are now working with children, do we need to do anything differently? Do the rules change? Are base of support, alignment, weight shifting, active support, and all those other concepts you learned in your NDT course the same with a different size body and neurological diagnosis? How do you get that larger person up on his/her feet and optimize his/her outcomes without play? How do you engage and play with a child while also treating them?

An Adult NDTA PT Instructor has teamed up with an NDTA Pediatric OT Instructor for this workshop. This 2-day seminar will focus on assessment and intervention choices across the lifespan using the NDT Practice Model. Case presentations and live patient demonstrations, small group practice, and group discussion will be included in the course format. We will discuss and practice handling, how to structure the environment, and making the right choices for tasks to optimize motor control during functional tasks.

CONNECTING THE DOTS BETWEEN MEDICALLY COMPLEX TO FUNCTIONALLY COMPETENT, AN NDT COURSE ABOUT INFANTS AND TODDLERS

Instructor: Jane Styer-Acevedo, PT, DPT, C/NDT
Level: Intermediate  Target Audience: PT, OT, SLP, and Assistants

This 2-day course is designed to enhance critical thinking skills necessary to improve function in medically complex infants and toddlers. The course will cover the contemporary neuroscience basis for NDT treatment in pediatrics. It will contrast the infant facing complex medical challenges to typically developing infants with emphasis on enabling functional mobility and communication in the medically complex infant and toddler. Treatment strategies will be taught to optimize strengths and minimize barriers using treatment demonstrations and practical lab experience with peers and therapy dolls.
THE ROLE OF DYNAMIC SURFACES FOR PROMOTING FUN AND FUNCTIONAL SHIFTS IN CLIENTS WITH NEURO-MOTOR CHALLENGES USING THE NDT APPROACH

Instructor: Jane Styer-Acevedo, PT, DPT, C/NDT  
Level: Intermediate  
Target Audience: PT, OT, SLP

This intermediate level course is designed for PT, OT, and SLP who work with or desire to work with children with neuromotor challenges. Have you ever wondered why using a ball can be more effective during a treatment session? Or why the size of a bolster makes a difference in the effectiveness of a treatment strategy? Or what a sit-disk can be used for? Using task analysis, you will learn how to efficiently and effectively design a treatment session using different dynamic surfaces towards a functional goal. Lecture, video clips, assessment and treatment demonstrations, discussion, group problem solving, and experiential learning will be used in class. The ICF model will be used in assessment and in the planning and execution of treatment. This course is a “must attend” course to immediately become more effective and efficient in your clinical practice.

NDT/BOBATH HANDLING INTENSIVE: AN INTERMEDIATE LEVEL COURSE

Instructor: Pamela Ward, PT, DPT, C/NDT  
Level: Intermediate  
Target Audience: PT, OT

This 2- or 3-day intermediate level workshop is designed for pediatric physical therapists and occupational therapists who currently work with children with neuromotor disorders. Emphasis is placed on improving problem solving and handling skills in children ages preschool to 21. This course utilizes the NDT/Bobath approach in assessment and treatment of children in order to promote a change in their function and or participation in life skills. Lecture, problem solving, handling labs, and client assessment and treatment demonstrations will be used to improve the participant’s use of a problem-based approach to achieve functional shifts in their clients.
INTEGRATING ACTION, SENSATION & COGNITION: KEYS TO NEUROPLASTICITY IN YOUNG CHILDREN

Instructors: Lezlie Adler, OT, C/NDT and Suzanne Davis Bombria, PT, C/NDT
Level: Specialty  Target Audience: PT, OT, SLP

There is a growing prevalence of children with impairments in sensory processing, motor control, and behavioral compromise. As therapists it is important that we are up to the challenge of providing best practices for this population. Are the goals you are setting for these children realistic? Is the treatment approach the most effective to achieve the outcomes you and the family want? This workshop will enhance critical thinking skills to enable therapists to use a systematic approach to treating children with developmental challenges. Focus will be on problem solving to gain function for these children through knowledge of typical and atypical development, and up-to-date research on multi-modal intervention. The unique approach will help therapists set realistic measurable goals, set priorities and determine frequency of treatment and exit criteria.

ANALYZE THIS: NDT & FUNCTIONAL ACTIVITY ANALYSIS

Instructor: Lezlie Adler OT, C/NDT and Kim Westhoff, OTR/L, C/NDT
Level: Specialty or Intermediate  Target Audience: PT, OT, SLP

Do you ever struggle with where to begin and how to get to the hands during real life tasks? Then this course is for you! During this advanced level course we will look at what it takes to complete a designated daily task. We will look closely at postural control, dynamic shoulder capacity, elbow, forearm, and hand essentials + sensory contributions, and cognitive problem solving during these tasks. We will use actual clients and typical children doing specific daily tasks through case studies and/or video clips. Small group problem-solving and hands on labs will be utilized to practice treatment strategies/techniques and treatment planning. This advanced course is geared for OT’s, PT’s, SLP’s and others interested in helping their kids to participate in desired, age appropriate daily activities. This course is a “must attend” course to have the tools needed to critically look at participation activities and begin to prioritize treatment for successfully meeting those goals.
SENSATIONAL EFFECTS: TREATING THE WHOLE CHILD USING NDT AND SENSORY TECHNIQUES

**Instructor:** Debbie Evans-Rogers, PT, PhD, PCS, C/NDT and Kim Westhoff, OTR/L, C/NDT  
**Level:** Specialty or Intermediate  
**Target Audience:** PT, OT, SLP

This 2-day course on NDT handling and sensory ideas for the pediatric client has been designed for pediatric therapists working with children having neuromotor difficulties. Content will focus on combining both didactic information and labs addressing assessment/evaluation skills with problem-solving; identifying functional limitations and impairments and sensory issues impacting function; and use of direct NDT handling intervention principles while incorporating current pediatric research. Core strength and postural control will be emphasized using specific hands-on strategies to improve functional mobility and postural stability with children. Participants will be assisted to improve their observational skills and direct handling skills while problem solving using NDT and sensory-motor techniques.

This course will include both lecture and hands-on labs throughout. Participants need to bring comfortable clothing (shorts/sleeveless shirts) for treatment labs.

NDT DYNAMIC BALL COURSE – KEEP IT ACTIVE! HAVING FUN AND LEARNING TECHNIQUES WITH ADJUNCTS FOR THE PEDIATRIC POPULATION

**Instructor:** Debbie Evans-Rogers, PT, PhD, PCS, C/NDT and Kim Westhoff, OTR/L, C/NDT  
**Level:** Specialty or Intermediate  
**Target Audience:** PT, OT, SLP

This intermediate level NDT course for pediatric therapists will focus on utilizing NDT handling techniques for clients with neuromotor challenges using dynamic surfaces such as bolsters and balls. Information presented will address current NDT philosophy using the ICF model with assessment/evaluation and intervention techniques. A variety of adjunctive therapy tools will be discussed with a focus on dynamic, moveable surfaces to facilitate postural control and functional movement. Participants will be assisted to improve their observational and direct handling skills utilizing movement labs for experiencing dynamic surfaces individually and with partners. Both didactic lecture and hands-on labs will be presented throughout this course; it is recommended that participants bring comfortable clothing for treatment labs. In addition to didactic and handling labs, videos and small group problem-solving labs may be used to further enhance learning. Equipment required: Each individual participant should bring a therapy ball—minimum diameter (green ball size).