



MNRI® Birth & Post-Birth Reflex Integration

Course Overview:

The MNRI Birth and Post-Birth Reflex Integration program focuses on the same set of primary motor reflex patterns addressed by the Dynamic and Postural Motor Reflex Integration program. This is because most primary motor reflex patterns begin development in the womb and engage in combination with the biological mothers system during the birth process. The birth process includes four stages: the *beginning*, *process*, *integration*, and *finish*. Through each birth stage, birth mechanisms innate to the bodies of the mother and the baby, work together to ensure a successful birth. In the *beginning stage*, the baby's head crowns into the birth canal as his Spinal Pereze reflex engage and triggers maternal delivery mechanisms to begin the birth process. During the *process stage*, the Spinal Pereze reflex triggers additional motor reflexes to engage, including the Head Extension, Symmetrical Tonic Neck Reflex, Babinski, Spinal Galant, and Asymmetrical Tonic Neck, all in an effort to keep the baby's head pushing forward through the birth canal. During the *integration stage*, the baby engages side-turning motions to assure sufficient forward momentum to make it through the birth canal, including, among others, Sequential Rolling and Spinning. Finally, during the *finishing phase*, the baby's head emerges from the birth canal into the world, organizing his shoulders and movements with the help of the Sequential Rolling, Spinning, Body Righting and Asymmetric Tonic Neck reflexes.

The Birth and Post-Birth Reflex Course provides participants with the depth and breadth of information to understand the role the birth process plays in activating and engaging reflexes, readying the sensory system for the outside world, and establishing a foundation for post-birth reflex patterns to activate, mature and integrate. The MNRI Birth and Post-Birth Reflex Integration course explores:

- The general MNRI Method and the role played by the Birth and Post-Birth Reflex Integration program
- The progression of birth and post-birth reflexes beginning in utero and continuing through childhood
- The role birth and post-birth reflexes in establishing a foundation for motor, communication and cognitive development, and emotional and behavioral regulation
- MNRI techniques to assess, pattern, and integrate birth and post-birth reflexes
- How to create MNRI birth and post-birth reflex integration programs for individual clients
- How to incorporate use of MNRI Birth and Post-Birth Reflex Integration course content into daily client and home practice

Course Objectives:

Upon successful completion of this three-day, 24-hour Birth and Post-Birth Reflex Integration course, participants:

1. Learn about the Masgutova Neurosensorimotor Reflex IntegrationSM (MNRI) Method
 - a. The innate nature of the motor reflex system
 - b. The role of a reflex and its sensory, motor and central nervous system mechanisms
 - c. When, why, and how the brain engages in protection versus learning and development
 - d. The maturational role of birth and post-birth reflexes within the motor reflex system
2. Learn the developmental progression and importance of birth and post-birth reflexes
 - a. Identify, define and classify the progression of birth and post-birth reflexes from maturation in the womb through to the maturation and integration of lifelong reflexes
 - b. Identify and explain the role of the Spinal Pereze, Babinski, Asymmetric Tonic Neck, Tonic Labyrinthine, Spinal Galant and Trunk Extension reflexes play to stimulate the birth process
 - c. Understand and differentiate the four stages of the birth process and the effect each has on:
 - The conscious and subconscious
 - Somatic and specialized sensory systems
 - Cognitive learning in various settings and social situations
 - d. Explore how birth reflexes influence post-birth maturation and development over the first 12 months of life, including the impact on:
 - Sensory-motor integration
 - Time-sequence rhythm and time-space orientation
 - Survival and positive protection
 - Other natural maturational motor reflexes
 - e. Learn and explain the impact of the twelve stages of birth on:

- Natural cycles of the learning process – preparation (beginning), process, integration and completion (finish)
 - Development of new learning strategies, memorization and motivation for lifelong learning
 - The decision making process
- f. Understand and explain the impact integrated versus non-integrated or immature birth and post-birth reflexes can have on the four stages of the birth process, tactile regulation, protection versus learning and development
3. Learn to implement the MNRI assessment techniques to determine the integration state (i.e. integrated, dysfunctional or pathological) of each birth and post-birth reflex
 - a. Demonstrate through supervised hands-on-application the ability to conduct an MNRI assessment and adequately determine the state of each birth and post-birth reflex
 4. Learn to implement the MNRI techniques to integrate each birth and post-birth reflex
 - a. Learn through demonstration and hands-on-practice the MNRI techniques designed to activate and integrate birth and post-birth reflexes
 - b. Learn through course discussion and instructor demonstration how to deal with unique and challenging client situations using MNRI method techniques
 - c. Demonstrate for course instructor the ability to appropriately apply integration procedures for each birth and post-birth reflex
 5. Learn to use course knowledge to create and apply an individual MNRI program for clients with various challenges
 - a. Use the MNRI pre-assessment to identify non-integrated or immature birth and post-birth reflexes
 - b. Develop an individual MNRI program based on assessment results and targeted individual challenges
 - c. Explore with client-family the potential impact the individualized program can have on
 - Body structure, posture, and motor maturation
 - Motor, communication and cognitive learning abilities and emotional and behavioral regulation
 6. Explore, evaluate and develop strategies to incorporate the use of the MNRI Birth and Post-Birth Reflex course content into daily client and home practice

Reflexes Addressed in this Course:

Primary Motor Reflex Patterns

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|---|---------------------|------------------|-------------------------------|
| • Asymmetrical Tonic Neck Reflex (ATNR) | • Bonding | • Moro Embrace | • Symmetric Tonic Neck (STNR) |
| • Babkin Palmomenta | • Hands Pulling | • Robinson Grasp | • Thomas Automatic Gait |
| • Babinski | • Landau | • Spinal Galant | • Tonic Labyrinthine |
| • Bauer Crawling | • Leg Cross Flexion | • Spinal Pelize | • Trunk Extension |

Additional Motor Reflexes and Reactions

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|--------------------------|------------------------|---------------------|------------------------|
| • Abdominal | • Foot Tendon Guard | • Primary Sounds | • Spinning |
| • Auditory Figure Ground | • Head Tilting Forward | • Segmental Rolling | • Stretching |
| • Core Tendon Guard | • Head Up-Righting | • Spine Extending | • Visual Figure-Ground |
| • Fear Paralysis | | | |

Prerequisites: No prerequisites are required; however, Masgutova recommends attending the Dynamic & Postural Reflex Integration course first to provide broader context prior to attending other foundation courses.

Course Length: The course covers a period of three days and requires a minimum of 24 hours of direct classroom instruction to complete.

Curriculum Design: The course curriculum consists of a combination of historical and theoretical lecture, case study slides and videos, technique demonstration and applied practice, and class activities, reflex re-patterning techniques, and discussion.

Course Materials: The Birth and Post Birth Reflex Integration course manual, written by Svetlana Masgutova, Ph.D., is the primary source for content presented in class. Supplementary course content draws from a variety of articles and MNRI case studies, and is referenced as needed upon presentation in class. The course manual is included as part of the course fee and is distributed to course participants at initial course check-in.

Approved Continuing Education Course for: AOTA