### CCMI Course Outline

1. **Neurology Overview, Epidemiology, & Berlin Consensus Update (2017) (2 hrs.)**
   An update on the international concussion consensus statement; prevalence across various sports and industries; and a review of pertinent neurology and neurophysiology.

2. **Pathophysiology of Acute Concussion (4 hrs.)**
   Current evidence about what happens inside the brain during a concussion.

3. **Pharmaceutical & Natural Interventions for Concussion (2.5 hrs.)**
   What is the current evidence regarding pharmaceuticals? How can diet impact the recovery of concussion? Can natural supplements help offset the excitotoxicity of a concussion injury?

4. **Biomechanics of Concussion & Sub-Concussive Impacts (2 hr.)**
   How much force does it take to cause a concussion? What is the evidence for sub-concussive impacts? What is the evidence for concussion prevention and strengthening programs?

5. **CCMI Baseline Testing Battery (3.5 hrs.)**
   An evidence-based baseline testing battery. We have developed the most reliable and valid multi-faceted approach to pre-season baseline concussion testing (includes physical and cognitive assessments).

6. **ImPACT Test Administration & Interpretation (1.5 hrs.)**
   The most widely used and researched computerized neurocognitive test. This module provides an introduction on how to administer and interpret the ImPACT test (1 of 9 tests used in the CCMI baseline testing battery).

7. **Assessment of Acute Concussion (3.5 hrs.)**
   A systematic and evidence-based approach on assessing and diagnosing acute concussion.

8. **Management of Acute Concussion (Return to Learn, Work, & Play) (3.5 hrs.)**
   How to properly return your patients back to school, work, sports, and everyday life.

9. **Pathophysiology of Post-Concussion Syndrome (PCS) (3 hrs.)**
   Why do some patients recover in a week, while some take months? Reviewing the current state of evidence in each of the main theories behind the emergence of PCS.

10. **Assessment & Treatment of PCS (7 hrs.)**
    In-depth examination of the procedures of physical capacity, visual and vestibular dysfunction, and cervical spine function – the cornerstone of PCS rehabilitation and treatment strategies. This module covers how to assess, properly categorize and treat/rehab patients depending on their examination findings. Complete with evidence-based treatment algorithms for complex cases.

11. **Chronic Traumatic Encephalopathy (CTE) (1.5 hrs.)**
    CTE is thought to be the long-term brain damage caused by concussion and exposure to head trauma. But, how much do we really know? What evidence exists?

12. **Impacting Your Community & Your Business (2 hrs.)**
    You now have extensive knowledge on how to assess, diagnose, and treat concussions, but how do you make the most of your concussion practice? How can you better serve your patients and make a difference in your community? This module covers these topics as well as how to utilize the CCMI database: the world’s first network and EMR for concussions.

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**Course Details**
- 36 hrs.
- 45 days
- Must achieve 80%
- Eligible for most CE/CEU programs