Concussion Evaluation Steps

Clinician witness hit/trauma  Athletes reports symptoms

- Develop Initial Differential Diagnoses
- Examine Self-report Symptoms

Perform Physical Examination
- History
- Inspection
- Neurological Examination
  - Dermatomes
  - Myotomes
  - Reflexes
  - Cranial Nerves
- Palpations
- Range of Motion Testing

Consider Differential Diagnoses

Other Sideline Testing
- Orientation (Maddock’s)
- Cognitive
  - Serial 7s
  - Months in reverse order
  - 3-word recall
  - SAC
  - SCAT
- Balance
  - Romberg
  - Tandem Walk
  - BESS
- Oculomotor (K-D Test)

Clinic/Physician Visit

- Neurocognitive test
  - Pencil and paper NP
  - Computerized testing NP
- Balance Test
  - Force platforms
  - Neurocom
  - Biodex Biosway
- Additional testing
  - Nintendo Wii force plate
  - Visuomotor Pointing Task
  - Clinical Reaction Tests
  - Genetic Tests

Examining ALL results = Diagnosis: Concussion

If requires EMS: Glasgow Coma Scale

Imaging to rule out hematoma (CT) or skull fracture (x-ray)

Grading scales to enhance communications ONLY but not recommended for clinical use.

Figure 3-2. Concussion evaluation flow chart.