



## Comprehensive Concussion Screening

### Concussion Incidence

Each year, 175,000 children and adolescents are treated in the Emergency Room for sport- and recreation-related concussions. It is estimated that one in 10 high school student-athletes will experience a concussion, and this number is higher for those participating in contact sports.

### Shift in Care

Concussion changes the way a person thinks, acts, sees and functions. In the past, there was a significant reliance on symptom reporting. Today, the emphasis has shifted to more objective information gathered prior to a concussion. This preinjury baseline scoring can then be compared to postconcussion scores, providing a more accurate assessment of how the child is functioning.

## Comprehensive Baseline Screening Tests

Experts from The Center for Sports Medicine at Nemours/Alfred I. duPont Hospital for Children have developed a comprehensive screening program that provides the necessary baseline information at minimum time and cost for the participant and family. Each participant moves through three unique testing stations and all testing is completed in less than one hour. Results of the comprehensive screen will be mailed to each family and will be maintained at duPont Hospital for Children.

This recommended preinjury, comprehensive testing includes:

- **ImPACT®:** Immediate Postconcussion Assessment and Cognitive Testing is a computerized neuropsychological tool that measures cognitive functioning (the ability to concentrate, remember and process information)
- **BESS (Balance Error Scoring System):** assesses balance on a firm surface and foam surface with the eyes closed.
- **NeuroCom Sensory Organization Test (SOT):** provides an objective assessment of balance and stability. It is the Gold standard for objectively assessing balance for ages 3 to 79.
- **King Devick Test:** evaluates eye movements and tracking during reading.

## Participants

All participants must be 12-18 years old at time of testing. Test results are valid for two years.

## Cost

\$50, paid by cash, check or credit card the day of testing. Insurance cannot be billed for this service. You may submit for flexible spending, however authorization is dependent on your plan/policy.

## Dates

**Please see our website for testing dates:** [www.nemours.org/sportsmedicine](http://www.nemours.org/sportsmedicine).  
Appointments are available from 8:30 a.m.–3:30 p.m.

## Scheduling/Questions

To schedule, please call the Center for Sports Medicine at Nemours/Alfred I. duPont Hospital for Children at (302) 298-7200. For further questions, please call (302) 298-7200 or email: [sportsperformance@nemours.org](mailto:sportsperformance@nemours.org).