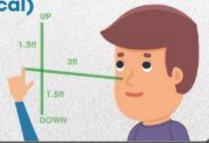
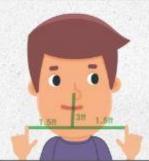
Vestibular/Ocular-Motor Screening (VOMS)

Smooth Pursuits (Horizontal & Vertical)

Tests ability to follow a slowly moving target

Both patient and clinician are seated Patient follows finger with eyes Do NOT move head, just eyes 2 reps at rate of 2 sec / rep Rate symptoms (0-10) Complete for both horizontal & vertical

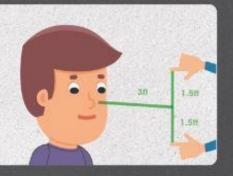




Saccades (Horizontal & Vertical)

Tests ability of eyes to move quickly between targets

Both patient and clinician are seated Clinician holds fingers 3' apart Patient initally looks L-R Do NOT move head, just eyes 10 reps as quickly as possible Rate symptoms (0-10) Repeat with patient looking Up-Down



Convergence

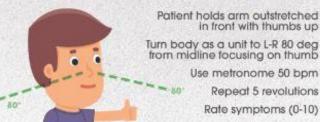
Measures ability to view a near target without double vision

Patient holds target with 14-point font "X" at arms length Patient brings target toward eyes focusing on the "X" Stop when they see double Clinician measures distance from tip of nose to target (cm) Repeat 3x; record all 3 Rate symptoms (0-10)



Visual Motion Sensitivity

Tests visual motion sensitivity & ability to inhibit vestibular induced eye movements using vision

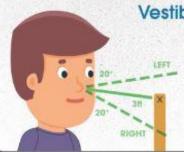


in front with thumbs up Turn body as a unit to L-R 80 deg

Use metronome 50 bpm

Repeat 5 revolutions

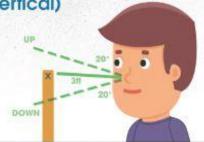
Rate symptoms (0-10)



Vestibular-Ocular Reflex (Horizontal & Vertical)

Assess ability to stabilize vision as head moves

Clinician holds target 3' from patient's eye level Patient initially turns head L-R 10x Keep eyes focused on target Use metronome 180 bpm Wait 10 seconds Rate symptoms (0-10) Repeat with patient looking Up-Down



Visit natafoundation.org/for-the-profession for more info including the NATA Foundation e-article on VOMS

- 1. Collins MW, Kontos AP, Reynolds E, et al. A comprehensive, targeted approach to the clinical care of athletes following sport-related concussion. Knee Surg Sports Traumatol Arthrosc. 2014;22:235-246.
- Khan S, Chang R. Anatomy of the vestibular system: a review. NeuroRehabilitation. 2013;32;437-443.
- 3. Kontos AP, Sufrinko A, Elbin RJ, Puskar A. Collins MW. Reliability and associated risk factors for performance on the vestibular/ocular motor screening (VOMS) tool in healthy collegiate athletes. Am J Sports Med. 2016:44:1400-1406.

 Mucha A, Collins MW, et al. A brief vestibular/ocular motor screening (VOMS) assessment to evaluate concussions: preliminary findings. Am J Sports Med. 2014;42:2479-2486.

