Title: Sensorimotor and Neurobehavioral Status Exams for Optometric Providers

**Professional**
Original Effective Date: November 1, 2005
Revision Date(s): December 15, 2005; September 5, 2013; March 31, 2015; March 16, 2016; January 18, 2017
Current Effective Date: January 1, 2006

State and Federal mandates and health plan member contract language, including specific provisions/exclusions, take precedence over Medical Policy and must be considered first in determining eligibility for coverage. To verify a member’s benefits, contact Blue Cross and Blue Shield of Kansas Customer Service.

The BCBSKS Medical Policies contained herein are for informational purposes and apply only to members who have health insurance through BCBSKS or who are covered by a self-insured group plan administered by BCBSKS. Medical Policy for FEP members is subject to FEP medical policy which may differ from BCBSKS Medical Policy.

The medical policies do not constitute medical advice or medical care. Treating health care providers are independent contractors and are neither employees nor agents of Blue Cross and Blue Shield of Kansas and are solely responsible for diagnosis, treatment and medical advice.

If your patient is covered under a different Blue Cross and Blue Shield plan, please refer to the Medical Policies of that plan.

**DESCRIPTION**
Sensorimotor examination is an evaluation of the function of the ocular muscle system. This testing may include, but is not limited to, qualitative and quantitative testing of ocular motility, accommodation, and binocular function (e.g., use of vertical or horizontal prism bars or individual handheld prisms to measure ocular deviation, lenses to evaluate accommodative function, or tests to evaluate eye movements).

Neurobehavioral status examinations assess aspects of thinking, reasoning, and judgement to evaluate a patient’s behavioral abilities.
**POLICY**

A. Sensorimotor Examination - This evaluation may be used when the patient complains of double vision, overlapping letters or words when reading, asthenopia or headache when reading, or when diagnosing strabismus (congenital or acquired). These are tests, although not exclusive, which fall outside of the routine examination sequence.

Examples of tests that would apply:
1. Cover tests with quantification
2. Fixation Disparity/Retinal Correspondence testing
3. Repeated Phoria and Vergence testing (ranges and facility)
4. Fusional testing (Worth 4 dot, VO Star binocular behavior test)
5. Evaluation of Pursuits and Saccades (eg, computer assisted evaluation of eye movements, developmental eye movement test)
6. Evaluation of Accommodation (ranges and facility)

B. Neurobehavioral Status Exam - The signs and symptoms of visual processing disorders are extensive; a few highlights include decreased coordination and balance, confusion between similar looking words, poor organization and spacing of written work. This may be a developmental delay or acquired such as with traumatic brain injury.

Examples of tests that would apply:
1. Test of Visual Perceptual Skills – non-motor
2. Berry Test of Visual Motor Integration
3. Test of Visual Analysis Skills
4. Test of Visual Motor Skills
5. Jordan Left-Right Reversal Test
6. Wide Range Assessment of Visual Motor Abilities
7. Developmental Test of Vision Perception

**CODING**

The following codes for treatment and procedures applicable to this policy are included below for informational purposes. Inclusion or exclusion of a procedure, diagnosis or device code(s) does not constitute or imply member coverage or provider reimbursement. Please refer to the member’s contract benefits in effect at the time of service to determine coverage or non-coverage of these services as it applies to an individual member.

CPT/HCPCS

92060 Sensorimotor examination with multiple measurements of ocular deviation (eg, restrictive or paretic muscle with diplopia) with interpretation and report (separate procedure)
Neurobehavioral status exam (clinical assessment of thinking, reasoning and judgement, eg, acquired knowledge, attention, language, memory, planning and problem solving, and visual spatial abilities), per hour of the psychologist's or physician's time, both face-to-face time with the patient and time interpreting test results and preparing the report.

ICD-9 Diagnoses

367.5 Disorders of accommodation
367.53 Spasm of accommodation
367.9 Unspecified disorder of refraction and accommodation
368.00 Amblyopia, unspecified
368.01 Strabismic amblyopia
368.02 Deprivation amblyopia
368.03 Refractive amblyopia
368.2 Diplopia
378.00 Esotropia, unspecified
378.01 Monocular esotropia
378.02 Monocular esotropia with A pattern
378.03 Monocular esotropia with V pattern
378.04 Monocular esotropia with other noncomitancies
378.05 Alternating esotropia
378.08 Alternating esotropia with other noncomitancies
378.10 Unspecified exotropia
378.11 Monocular exotropia
378.12 Monocular exotropia with A pattern
378.13 Monocular exotropia with V pattern
378.14 Monocular exotropia with other noncomitancies

ICD-10 Diagnoses (Effective October 1, 2015)

H49.31 Total (external) ophthalmoplegia, right eye
H49.32 Total (external) ophthalmoplegia, left eye
H49.33 Total (external) ophthalmoplegia, bilateral
H49.41 Progressive external ophthalmoplegia, right eye
H49.42 Progressive external ophthalmoplegia, left eye
H49.43 Progressive external ophthalmoplegia, bilateral
H49.881 Other paralytic strabismus, right eye
H49.882 Other paralytic strabismus, left eye
H49.883 Other paralytic strabismus, bilateral
H49.889 Other paralytic strabismus, unspecified eye
H49.9 Unspecified paralytic strabismus
H50.00 Unspecified esotropia
H50.011 Monocular esotropia, right eye
H50.112 Monocular exotropia, left eye
H50.121 Monocular exotropia with A pattern, right eye
H50.122 Monocular exotropia with A pattern, left eye
H50.131 Monocular exotropia with V pattern, right eye
H50.132 Monocular exotropia with V pattern, left eye
H50.141  Monocular exotropia with other noncomitancies, right eye
H50.142  Monocular exotropia with other noncomitancies, left eye
H50.15   Alternating exotropia
H50.16   Alternating exotropia with A pattern
H50.17   Alternating exotropia with V pattern
H50.18   Alternating exotropia with other noncomitancies
H50.21   Vertical strabismus, right eye
H50.22   Vertical strabismus, left eye
H50.30   Unspecified intermittent heterotropia
H50.311  Intermittent monocular esotropia, right eye
H50.312  Intermittent monocular esotropia, left eye
H50.32   Intermittent alternating esotropia
H50.331  Intermittent monocular exotropia, right eye
H50.332  Intermittent monocular exotropia, left eye
H50.34   Intermittent alternating exotropia
H50.40   Unspecified heterotropia
H50.411  Cyclotropia, right eye
H50.412  Cyclotropia, left eye
H50.42   Monofixation syndrome
H50.43   Accommodative component in esotropia
H50.50   Unspecified heterophoria
H50.51   Esophoria
H50.52   Exophoria
H50.53   Vertical heterophoria
H50.54   Cyclophoria
H50.55   Alternating heterophoria
H50.60   Mechanical strabismus, unspecified
H50.611  Brown's sheath syndrome, right eye
H50.612  Brown's sheath syndrome, left eye
H50.69   Other mechanical strabismus
H50.811  Duane's syndrome, right eye
H50.812  Duane's syndrome, left eye
H50.89   Other specified strabismus
H50.9    Unspecified strabismus
H51.0    Palsy (spasm) of conjugate gaze
H51.11   Convergence insufficiency
H51.12   Convergence excess
H51.21   Internuclear ophthalmoplegia, right eye
H51.22   Internuclear ophthalmoplegia, left eye
H51.23   Internuclear ophthalmoplegia, bilateral
H51.8    Other specified disorders of binocular movement
H51.9    Unspecified disorder of binocular movement
H52.531  Spasm of accommodation, right eye
H52.532  Spasm of accommodation, left eye
H52.533  Spasm of accommodation, bilateral
H52.539  Spasm of accommodation, unspecified eye
H52.7    Unspecified disorder of refraction
H53.001  Unspecified amblyopia, right eye
H53.002  Unspecified amblyopia, left eye
H53.003  Unspecified amblyopia, bilateral
H53.009  Unspecified amblyopia, unspecified eye
H53.011  Deprivation amblyopia, right eye
H53.012  Deprivation amblyopia, left eye
H53.013  Deprivation amblyopia, bilateral
H53.019  Deprivation amblyopia, unspecified eye
H53.021  Refractive amblyopia, right eye
H53.022  Refractive amblyopia, left eye
H53.023  Refractive amblyopia, bilateral
H53.029  Refractive amblyopia, unspecified eye
H53.031  Strabismic amblyopia, right eye
H53.032  Strabismic amblyopia, left eye
H53.033  Strabismic amblyopia, bilateral
H53.039  Strabismic amblyopia, unspecified eye
H53.2   Diplopia
H55.81  Saccadic eye movements
H55.89  Other irregular eye movements

REVISIONS

<table>
<thead>
<tr>
<th>Date</th>
<th>Revision</th>
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<tbody>
<tr>
<td>December 15, 2005</td>
<td>In &quot;Coding&quot; section, CPT, deleted CPT code 96115 and added CPT code 96116.</td>
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<tr>
<td>09-05-2013</td>
<td>Policy reviewed.</td>
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<td>In Coding section:</td>
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<td></td>
<td>- Added ICD-10 Diagnosis (Effective October 1, 2014)</td>
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<tr>
<td></td>
<td>Updated Reference section.</td>
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<tr>
<td>03-31-2015</td>
<td>In Title section, removed &quot;(This policy was requested and developed by the Optometric Committee)&quot;.</td>
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<td>In Coding section:</td>
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<td>- Updated nomenclature for CPT Code 96116.</td>
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<tr>
<td>03-16-2016</td>
<td>Description, Policy, and Coding sections reviewed with no updates.</td>
</tr>
<tr>
<td>01-18-2017</td>
<td>Policy reviewed; no revisions made.</td>
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REFERENCES

1. Blue Cross and Blue Shield of Kansas Optometric Liaison Committee meeting, May 26, 2005, (see Blue Cross and Blue Shield of Kansas Newsletter, Blue Shield Report. MAC–02-05).
2. Blue Cross and Blue Shield of Kansas Medical Advisory Committee meeting, August 4, 2005 (see Blue Cross and Blue Shield of Kansas Newsletter, Blue Shield Report. MAC–02-05).
3. Blue Cross and Blue Shield of Kansas Optometry Liaison Committee, May 2013.