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SHP Automated Nerve Conduction Testing

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MCG Health
Ambulatory Care
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Coverage

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See the appropriate benefit document for specific coverage determination. Member specific benefits take precedence over medical policy.

Application to Products

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Policy is applicable to all products.

Authorization Requirements

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Pre-certification by the Plan is required.

Description of Item or Service

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Automated nerve conduction testing is completed by a diagnostic hand-held device in which electrodes are arranged in an array to evaluate the integrity and performance of the peripheral nervous system.

Non-invasive automatic, portable, or automated point of care nerve conduction monitoring systems (e.g., the NC-stat® System, the Brevio® NCS-Monitor, and the Advance™ System) test only distal motor latencies and conduction velocities for the purpose of electrodiagnostic testing.

Exceptions and Limitations

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There is insufficient scientific evidence to support the medical necessity of automated nerve conduction testing for uses other than those listed in the clinical indications for procedure section.

Clinical Indications for Procedure

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- Automated Nerve Conduction Testing is considered medically necessary for **ALL** of the following:
 - Individual has Optima Medicare
 - Individual has diagnosis code of **1 or more** of the following:
 - Carpal tunnel syndrome, right upper limb
 - Carpal tunnel syndrome, left upper limb

Document History

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- Revised Dates:
 - 2021: January
 - 2020: January
 - 2016: April
 - 2015: April
 - 2013: January, May
 - 2012: November
- Reviewed Dates:
 - 2023: January
 - 2018: November
 - 2017: December
 - 2015: March
 - 2014: April
 - 2013: April
 - 2012: April
 - 2011: April
 - 2010: April
 - 2009: April
- Effective Date: May 2008

Coding Information

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- CPT/HCPCS codes covered if policy criteria is met:
 - CPT 95905 - Motor and/or sensory nerve conduction, using preconfigured electrode array(s), amplitude and latency/velocity study, each limb, includes F-wave study when performed, with interpretation and report

- CPT/HCPCS codes considered not medically necessary per this Policy:

- None

References

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References used include but are not limited to the following:

Specialty Association Guidelines; Government Regulations; Winifred S. Hayes, Inc; Uptodate; Literature Review; Specialty Advisors; National Coverage Determination (NCD); Local Coverage Determination (LCD).

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(2022). Retrieved Nov 09, 2022, from AIM Specialty Health: <https://aimspecialtyhealth.com/>

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(2022). Retrieved Nov 09, 2022, from Department of Medical Assistance Services: <https://vamedicaid.dmas.virginia.gov/global-search?keys=Automated+nerve+conduction+studies>

510(k) Premarket Notification - device, nerve conduction velocity measurement. (2022, Nov 07). Retrieved Nov 09, 2022, from Food and Drug Administration: <https://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfpmn/pmn.cfm?ID=K060584>

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Model Policy for Nerve Conduction Studies and Needle Electromyography. (2021, Mar). Retrieved Nov 09, 2022, from American Association of Neuromuscular & Electrodiagnostic Medicine: <https://www.aanem.org/Advocacy/Position-Statements/Model-Policy-for-Needle-EMG-and-NCSS>

AANEM POSITION STATEMENT: Establishing Standards for Acceptable Waveforms in Nerve. (2020). Retrieved Dec 22, 2021, from American Association of Neuromuscular and Electrodiagnostic Medicine (AANEM): https://www.aanem.org/Advocacy/Position-Statements/Standards-for-Waveforms_M-N_update.pdf

(2021). Retrieved Dec 22, 2021, from EncoderPro: <https://www.encoderpro.com/epro>

CFR - Code of Federal Regulations Title 21CFR882.1550 - Nerve conduction velocity measurement device. (2021, Oct 1). Retrieved Dec 22, 2021, from FDA: <https://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfcr/cfrsearch.cfm?fr=882.1550>

GUIDELINES. (2021). Retrieved Dec 23, 2021, from American Academy of Neurology (AAN): <https://www.aan.com/practice/guidelines>

LCD - Nerve Conduction Studies and Electromyography L35048. (2021, Jul 15). Retrieved Dec 22, 2021, from CMS: <https://www.cms.gov/medicare-coverage-database/view/lcd.aspx?lcdid=35048&ver=76&bc=0>

Nc-Stat® System (NeuroMetrix Inc.) for Noninvasive Nerve Conduction Testing of Upper Extremity Neuropathy - ARCHIVED Mar 27, 2010. (n.d.). Retrieved Dec 22, 2021, from Hayes: <https://evidence.hayesinc.com/report/htb.ncstat>

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Codes

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