

Local Coverage Article: MoIDX: L1CAM Gene Sequencing Coding and Billing Guidelines (A53659)

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Contractor Information

CONTRACTOR NAME	CONTRACT TYPE	CONTRACT NUMBER	JURISDICTION	STATE(S)
Palmetto GBA	A and B MAC	10111 - MAC A	J - J	Alabama
Palmetto GBA	A and B MAC	10112 - MAC B	J - J	Alabama
Palmetto GBA	A and B MAC	10211 - MAC A	J - J	Georgia
Palmetto GBA	A and B MAC	10212 - MAC B	J - J	Georgia
Palmetto GBA	A and B MAC	10311 - MAC A	J - J	Tennessee
Palmetto GBA	A and B MAC	10312 - MAC B	J - J	Tennessee
Palmetto GBA	A and B and HHH MAC	11201 - MAC A	J - M	South Carolina
Palmetto GBA	A and B and HHH MAC	11202 - MAC B	J - M	South Carolina
Palmetto GBA	A and B and HHH MAC	11301 - MAC A	J - M	Virginia
Palmetto GBA	A and B and HHH MAC	11302 - MAC B	J - M	Virginia
Palmetto GBA	A and B and HHH MAC	11401 - MAC A	J - M	West Virginia
Palmetto GBA	A and B and HHH MAC	11402 - MAC B	J - M	West Virginia
Palmetto GBA	A and B and HHH MAC	11501 - MAC A	J - M	North Carolina
Palmetto GBA	A and B and HHH MAC	11502 - MAC B	J - M	North Carolina

Article Information

General Information

Article ID

A53659

Original Effective Date

10/01/2015

Original ICD-9 Article ID[A53662](#)**Revision Effective Date**

01/01/2019

Article Title

MoIDX: L1CAM Gene Sequencing Coding and Billing Guidelines

Revision Ending Date

N/A

AMA CPT / ADA CDT / AHA NUBC Copyright Statement**Retirement Date**

N/A

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Article Guidance

Article Text:

Effective for dates of service on and after January 29, 2013

L1 syndrome refers to multiple disorders including X-linked hydrocephalus with aqueduct of Sylvius (HSAS) stenosis, MASA syndrome (Mental retardation, Aphasia, Spastic paraplegia, Adducted thumbs), SPG1 (X-linked complicated hereditary spastic paraplegia type 1), and X-linked complicated corpus callosum agenesis. Because there are many potential underlying causes for congenital hydrocephalus, including syndromic and nonsyndromic cases, recurrence risk and implications for family members is based upon underlying etiology. Genetic testing of the L1CAM gene is used to confirm a clinical diagnosis and provide recurrence risk. Therefore, the MoIDX Team has determined L1CAM full gene sequencing is a statutorily excluded test.

To receive a L1CAM gene sequencing service denial, please submit the following claim information:

- CPT code 81407-L1CAM
- CPT code 81470- X-linked intellectual disability genomic sequence analysis panel
- CPT code 81471- X-linked intellectual disability genomic sequence analysis panel duplication / deletion
 - For a voluntary issued ABN, append with GX modifier
 - To indicate a valid ABN is on file for a known statutorily excluded service, append with a GY modifierAn Advance Beneficiary Notice (ABN) is not required for statutorily excluded services
- Select the appropriate diagnosis for the patient
- Enter DEX Z-Code™ identifier adjacent to the CPT code in the comment/narrative field for the following Part B claim field/types:
 - Loop 2400 or SV101-7 for the 5010A1 837P
 - Box 19 for paper claim
- Enter DEX Z-Code™ identifier adjacent to the CPT code in the comment/narrative field for the following Part A claim field/types:
 - Line SV202-7 for 837I electronic claim
 - Block 80 for the UB04 claim form

Reference: Sec. 1862 (1)(A) Statutory Exclusion covers diagnostic testing “except for items and services that are not reasonable and necessary for the diagnosis or treatment of illness or injury or to improve the functioning of a malformed body member,…”

Coding Information

Bill Type Codes:

Contractors may specify Bill Types to help providers identify those Bill Types typically used to report this service. Absence of a Bill Type does not guarantee that the policy does not apply to that Bill Type. Complete absence of all Bill Types indicates that coverage is not influenced by Bill Type and the policy should be assumed to apply equally to all claims.

N/A

Revenue Codes:

Contractors may specify Revenue Codes to help providers identify those Revenue Codes typically used to report this service. In most instances Revenue Codes are purely advisory. Unless specified in the policy, services reported under other Revenue Codes are equally subject to this coverage determination. Complete absence of all Revenue Codes indicates that coverage is not influenced by Revenue Code and the policy should be assumed to apply equally to all Revenue Codes.

N/A

CPT/HCPCS Codes

Group 1 Paragraph:

N/A

Group 1 Codes:

CODE	DESCRIPTION
81407	MOLECULAR PATHOLOGY PROCEDURE, LEVEL 8 (EG, ANALYSIS OF 26-50 EXONS BY DNA SEQUENCE ANALYSIS, MUTATION SCANNING OR DUPLICATION/DELETION VARIANTS OF >50 EXONS, SEQUENCE ANALYSIS OF MULTIPLE GENES ON ONE PLATFORM)
81470	X-LINKED INTELLECTUAL DISABILITY (XLID) (EG, SYNDROMIC AND NON-SYNDROMIC XLID); GENOMIC SEQUENCE ANALYSIS PANEL, MUST INCLUDE SEQUENCING OF AT LEAST 60 GENES, INCLUDING ARX, ATRX, CDKL5, FGD1, FMR1, HUWE1, IL1RAPL, KDM5C, L1CAM, MECP2, MED12, MID1, OCRL, RPS6KA3, AND SLC16A2
81471	X-LINKED INTELLECTUAL DISABILITY (XLID) (EG, SYNDROMIC AND NON-SYNDROMIC XLID); DUPLICATION/DELETION GENE ANALYSIS, MUST INCLUDE ANALYSIS OF AT LEAST 60 GENES, INCLUDING ARX, ATRX, CDKL5, FGD1, FMR1, HUWE1, IL1RAPL, KDM5C, L1CAM, MECP2, MED12, MID1, OCRL, RPS6KA3, AND SLC16A2

ICD-10 Codes that are Covered

N/A

ICD-10 Codes that are Not Covered

N/A

Revision History Information

REVISION HISTORY DATE	REVISION HISTORY NUMBER	REVISION HISTORY EXPLANATION
01/01/2019	R7	Added 81470 and 81471 to the article. Added 81407, 81470 and 81471 to the CPT/HCPCS Group 1 section. This is due to the 2019 Annual CPT/HCPCS Code update and is effective 1/1/19.

REVISION HISTORY DATE	REVISION HISTORY NUMBER	REVISION HISTORY EXPLANATION
02/26/2018	R6	The Jurisdiction "J" Part A and Part B Contracts for Alabama (10111/10112), Georgia (10211/10212) and Tennessee (10311/10312) are now being serviced by Palmetto GBA. Effective 02/26/18, these 6 contract numbers are being added to this article. No coverage, coding or other substantive changes (beyond the addition of the 6 Part A and B contract numbers) have been completed in this revision.
07/20/2017	R5	Updated the DEX Z-Code Identifier information. Added Part A Contractor numbers.
07/14/2016	R4	Completed annual validation. In the last sentence in the 1st paragraph, added the word "full" between the word L1CAM and gene. Replaced CPT code 81479- not otherwise classified with 81407 - L1CAM.
11/19/2015	R3	Changed "MoIDX ID (MID) field" back to read SV101-7
11/19/2015	R2	Replace Palmetto reference with MoIDX and replaced SV101-7 with MoIDX ID (MID) field
10/01/2015	R1	Complete Annual Validation.

Associated Documents

Related Local Coverage Document(s)

N/A

Related National Coverage Document(s)

N/A

Statutory Requirements URL(s)

N/A

Rules and Regulations URL(s)

N/A

CMS Manual Explanations URL(s)

N/A

Other URL(s)

N/A

Public Version(s)

Updated on 12/21/2018 with effective dates 01/01/2019 - N/A

Updated on 01/31/2018 with effective dates 02/26/2018 - N/A

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Keywords

N/A