Duplex scan for erectile dysfunction

FIRST COAST SERVICE OPTIONS
MAC - PART B
LOCAL COVERAGE DETERMINATION

LCD Database ID Number
L33816

Contractor Name
First Coast Service Options, Inc.

Contractor Number
09102 – Florida
09202 – Puerto Rico
09302 – Virgin Islands

Contractor Type
MAC – Part B

LCD Title
Duplex scan for erectile dysfunction

AMA CPT Copyright Statement
CPT only copyright 2002-2014 American Medical Association. All rights reserved. CPT is a registered trademark of the American Medical Association. Applicable FARS/DFARS Apply to Government Use. Fee schedules, relative value units, conversion factors and/or related components are not assigned by the AMA, are not part of CPT, and the AMA is not recommending their use. The AMA does not directly or indirectly practice medicine or dispense medical services. The AMA assumes no liability for data contained or not contained herein. The Code on Dental Procedures and Nomenclature (Code) is published in Current Dental Terminology (CDT). Copyright (c) American Dental Association. All rights reserved. CDT and CDT-2010 are trademarks of the American Dental Association.

CMS National Coverage Policy
Language quoted from CMS National Coverage Determination (NCDs) and coverage provisions in interpretive manuals are italicized throughout the Local Coverage Determination (LCD). NCDs and coverage provisions in interpretive manuals are not subject to the LCD Review Process (42 CFR 405.860[b] and 42 CFR 426 [Subpart D]). In addition, an administrative law judge may not review an NCD. See §1869(f)(1)(A)(i) of the Social Security Act.

Unless otherwise specified, italicized text represents quotation from one or more of the following CMS sources:

N/A

Primary Geographic Jurisdiction
Duplex scan for erectile dysfunction

Florida
Puerto Rico/Virgin Islands

Oversight Region

Region I

Original Determination Effective Date

10/01/2015

Original Determination Ending Date

N/A

Revision Effective Date

N/A

Revision Ending Date

N/A

Indications and Limitations of Coverage and/or Medical Necessity

A duplex scan (also known as duplex ultrasonography) is a simple, painless, non-invasive examination that uses sound waves to take images of the blood vessels and blood flow. It allows detailed assessment of the major veins and arteries.

Duplex scan is used to evaluate blood flow, venous leak, signs of artherosclerosis, and scarring or calcification of erectile tissue. Erection is induced by injecting prostaglandin, a hormone-like stimulator produced in the body. Ultrasound is then used to visualize vascular dilation and measure penile blood pressure (which may also be measured with a special cuff). Measurements are compared to those taken when the penis is flaccid. Duplex scan of the penile vessels is a diagnostic study. It should not be used for routine monitoring in a rehabilitation protocol or post-operative follow-up protocol.

Indications

Duplex scan of the penile vessels will be considered medically reasonable and necessary for

- The treatment failure of erectile dysfunction in patients who have sustained a documented groin, pelvic or vascular injury where a vascular etiology for impotence is suspected.
- The differentiation of ischemic priapism from non ischemic priapism for determining appropriate medical management.
- Patients with a lifetime history erectile dysfunction.
- For assisting in determining whether the cause of erectile dysfunction is psychogenic or vascular in origin.
- Peyronie’s Disease

Limitations

Duplex scan of the penile vessels will be considered not medically reasonable and necessary

- when not preceded by pharmacological/medicinal treatment
- when performed as a routine procedure
- when the outcome is not contributory to a plan of treatment
Training and Education

All non-invasive vascular diagnostic studies must be: (1) performed by a qualified physician, or (2) performed under the general supervision of a qualified physician by a technologist who has demonstrated minimum entry level competency by being credentialed in vascular technology, and/or (3) performed in a laboratory accredited in vascular technology.

Examples of certification in vascular technology for non-physician personnel include:

- Registered Vascular Technologist (RVT) credential
- Registered Vascular Specialist (RVS) credential

These credentials must be provided by nationally recognized credentialing organizations such as:

- The American Registry of Diagnostic Medical Sonographers (ARDMS) which provides RDMS and RVT credentials
- The Cardiovascular Credentialing International (CCI) which provides RVS credential

Appropriate nationally recognized laboratory accreditation bodies include:

- Intersocietal Commission for the Accreditation of Vascular Laboratories (ICAVAL)
- American College of Radiology (ACR)

General Supervision means the procedure is furnished under the physician’s overall direction and control, but the physician’s presence is not required during the performance of the procedure. Under general supervision, the training of the nonphysician personnel who actually performs the diagnostic procedure and the maintenance of the necessary equipment and supplies are the continuing responsibility of the physician.

CPT/HCPCS Codes

93980  Duplex scan of arterial inflow and venous outflow of penile vessels; complete study

93981  follow-up or limited study

ICD-10 Codes that Support Medical Necessity

F52.21  Male erectile disorder
F52.8  Other sexual dysfunction not due to a substance or known physiological condition
N48.30 - N48.39  Priapism
N48.6  Induration penis plastica
N50.1  Vascular disorders of male genital organs
N52.01 - N52.9  Male erectile dysfunction

Diagnoses that Support Medical Necessity

N/A

ICD-10 Codes that DO NOT Support Medical Necessity

N/A

Diagnoses that DO NOT Support Medical Necessity
Duplex scan for erectile dysfunction

N/A

Associated Information

Documentation Requirements

The medical record should include a thorough patient history and physical examination which includes sexual history, a history of medications which can cause erectile dysfunction, past medical history including the identification of medical conditions that can contribute to impotence, psychological risk factors, conflicts with partner associated with increased anxiety and tension.

Duplex scan of the penis performed due to erectile dysfunction should include documentation which supports all of the following

- Penile response to pharmacotesting is suboptimal or unchanged PRIOR to the performance of the duplex scan
- Failure of treatment modality for erectile dysfunction
- The outcome of the duplex scan will be contributory to the decision making process and/or provide additional information relevant to the patient’s care

Utilization Guidelines

It is expected that these services would be performed as indicated by current medical literature and/or standards of practice. When services are performed in excess of established parameters, they may be subject to medical review.

Studies ordered for routine monitoring will not be covered.

Sources of Information and Basis for Decision

American Urological Association clinical guidelines. Management of erectile dysfunction (‘05/Updated’06)


Start Date of Comment Period

N/A

End Date of Comment Period

N/A
Duplex scan for erectile dysfunction

**Start Date of Notice Period**

04/01/2014

**Original**
Publication: April 2014 Connection

This LCD replaces all previous LCD versions (refer to “Sources of Information and Basis for Decision” section of the LCD) and publications on this subject to comply with ICD-10-CM based on Change Request 8112. The effective date of this LCD is based on date of service.

**Related Documents**

N/A

**LCD Attachments**

N/A

Document formatted:06/19/2013(DA/et)