

Medical Coverage Policy



Artificial Intervertebral Disc

Device/Equipment Drug Medical Surgery Test Other

Effective Date:	09/01/2005	Policy Last Updated:	6/18/2013
-----------------	------------	----------------------	-----------

Prospective review is recommended/required. Please check the member agreement for preauthorization guidelines.

Prospective review is not required.

Description:

When conservative treatment of degenerative disc disease fails, a common surgical approach is spinal fusion. Over 200,000 spinal fusions are performed each year. However, the outcomes of spinal fusion have been controversial over the years, in part due to the difficulty in determining whether a patient's back pain is related to degenerative disc disease and in part due to the success of the procedure itself. In addition, spinal fusion alters the biomechanics of the back, potentially leading to premature disc degeneration at adjacent levels, a particular concern for younger patients. As an alternative to fusion, a variety of artificial intervertebral discs have been investigated over the past 30 years. This approach, also referred to as total disc replacement or spinal arthroplasty, is intended to maintain motion at the operative level once the damaged disc has been removed, and to maintain the normal biomechanics of the adjacent vertebrae.

The devices use two metal end plates that are press fit into adjacent vertebrae and a central free component. This central component is held into place by the surrounding normal soft tissues (such as ligaments and the disc annulus), and shifts dynamically within the disc space during spinal motion. These devices are designed to restore disc height and normal physiologic motion.

Evidence to date has not shown a beneficial effect of any cervical disc product on the development of adjacent level disease, whereas long-term complication rates with artificial discs remain unknown. Further, as concluded in the TEC Assessments, given the natural history of the disease, longer-term results are needed, in particular to assess any effect of the device on adjacent-level disc degeneration, device durability, adverse events, and revisability.

Medical Criteria:

None

Policy:

Artificial intervertebral disc replacement for the cervical or lumbar spine is considered not medically necessary for all BCBSRI products due to the lack of peer-reviewed medical literature demonstrating the long-term effectiveness of artificial intervertebral disc.

Prior authorization is required for the removal of artificial intervertebral disc due to infection or other surgical complications for BlueCHIP for Medicare members and recommended for all other BCBSRI products.

Coverage:

Benefits may vary between groups/contracts. Please refer to the appropriate Evidence of Coverage or Subscriber Agreement for the applicable not medically necessary services or surgery benefits/coverage.

Coding:

The following services are considered **not medically necessary** and are not covered for all BCBSRI products:

0092T

0098T

0163T

0165T

22856

22857

22861

22862

Cervical and Lumbar Removal: prior authorization is required/recommended for all BCBSRI products for the disc removal:

22864

0095T

22865

0164T

Published:

Provider Update, August 2013

Provider Update, January 2013

Provider Update, February 2012

Provider Update, December 2010

Provider Update, December 2009

References:

Technology Evaluation Center; Assessment Program; Volume 20, No. 1 April 2005, "Artificial Vertebral Disc Replacement"

Technology Evaluation Center; Assessment Program; Volume 24, No. 5, Aug 2009, "Artificial Intervertebral Disc Arthroplasty for Treatment of Degenerative Disc Disease of the Cervical Spine"

Blue Cross Blue Shield Association; Medical Policy Reference Manual; Artificial Intervertebral Disc: Lumbar Spine, 7.01.87; Issue 10:2012.

Blue Cross Blue Shield Association; Medical Policy Reference Manual; Artificial Intervertebral Disc: Cervical Spine, 7.01.108; Issue 10:2012.

Centers for Medicare and Medicaid Services (CMS); Decision Memo for Lumbar Artificial Disc Replacement (LADR) (CAG-00292R); August 14, 2007.

Review History:

6/18/2013: Annual review with no changes.

This medical policy is made available to you for informational purposes only. It is not a guarantee of payment or a substitute for your medical judgment in the treatment of your patients. Benefits and eligibility are determined by the member's subscriber agreement or member certificate and/or the employer agreement, and those documents will supersede the provisions of this medical policy. For information on member-specific benefits, call the provider call center. If you provide services to a member which are determined to not be medically necessary (or in some cases medically necessary services which are non-covered benefits), you may not charge the member for the services unless you have informed the member and they have agreed in writing in advance to continue with the treatment at their own expense. Please refer to your participation agreement(s) for the applicable provisions. This policy is current at the time of publication; however, medical practices, technology, and knowledge are constantly changing. BCBSRI reserves the right to review and revise this policy for any reason and at any time, with or without notice.