Artificial disc replacement, also known as disc arthroplasty, refers to the replacement of a symptomatic, damaged or degenerated intervertebral disc in the spine with an artificial disc. Cervical artificial disc replacement (CADR) has been proposed as an alternative to anterior cervical discectomy and fusion (ACDF) for the treatment of degenerative conditions of the cervical spine. The major potential benefits of CADR over ACDF are preservation of segmental motion and reduction in adjacent segment disease. Clinical trials, in general, have established CADR as a safe and effective alternative to ACDF in the treatment of cervical degenerative disease at 1 or 2 contiguous levels.

Policy

This Policy applies to the following Fallon Health products:

☒ Commercial
☒ Medicare Advantage
☒ MassHealth ACO
☒ NaviCare
☒ PACE

Prior authorization is required. The artificial disc must be approved by FDA and used in accordance with FDA-approved Labeling (Instructions for Use).

Fallon Health covers cervical artificial disc replacement when all of the following criteria are met:

1. The patient has intractable cervical radicular pain or myelopathy
   a. which has failed at least 6 weeks of conservative non-operative treatment, including active pain management program or protocol, under the direction of a physician, with pharmacotherapy that addresses neuropathic pain and other pain sources AND physical therapy; OR
   b. if the patient has severe or rapidly progressive symptoms of nerve root or spinal cord compression requiring hospitalization or immediate surgical treatment.

2. Degeneration is documented by magnetic resonance imaging (MRI), computed tomography (CT), or myelography.

3. Cervical degenerative disc disease is from C3-C7.

Simultaneous cervical artificial intervertebral disc implantation at a second contiguous level is covered if the above criteria are met for each disc level, and the device is FDA-approved for 2 levels (i.e., Mobi-C, Prestige LP).

Subsequent cervical artificial intervertebral disc implantation at an adjacent level is covered when all of the following are met:
1. Criteria 1 to 3 above are met; and
2. The device is FDA-approved for 2 levels; and
3. Clinical documentation that the initial cervical artificial intervertebral disc implantation is fully healed.

Revision or removal of a cervical artificial disc(s) is covered when medically necessary. Prior authorization is required.

Requests for removal of a cervical artificial disc(s) (CPT 22864 +/- 0095T) should include a request for fusion.

**Exclusions**

- Cervical artificial disc replacement adjacent to a previous cervical fusion is not covered.
- Cervical artificial disc replacement at three or more levels is considered experimental and is not covered.

**Coding**

The following codes are included below for informational purposes only; inclusion of a code does not constitute or imply coverage.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>22856</td>
<td>Total disc arthroplasty (artificial disc), anterior approach, including discectomy with end plate preparation (includes osteophysectomy for nerve root or spinal cord decompression and microdissection), single interspace, cervical</td>
</tr>
<tr>
<td>22858</td>
<td>Total disc arthroplasty (artificial disc), anterior approach, including discectomy with end plate preparation (includes osteophysectomy for nerve root or spinal cord decompression and microdissection); second level, cervical (List separately in addition to code for primary procedure)</td>
</tr>
<tr>
<td>22861</td>
<td>Revision including replacement of total disc arthroplasty (artificial disc), anterior approach, single interspace; cervical</td>
</tr>
<tr>
<td>22864</td>
<td>Removal of total disc arthroplasty (artificial disc), anterior approach, single interspace; cervical</td>
</tr>
<tr>
<td>0095T</td>
<td>Removal of total disc arthroplasty (artificial disc), anterior approach, each additional interspace, cervical</td>
</tr>
<tr>
<td>0098T</td>
<td>Revision including replacement of total disc arthroplasty (artificial disc), anterior approach, each additional interspace, cervical</td>
</tr>
</tbody>
</table>

**References**


**Policy history**

| Origination date: | 05/01/2014 |
| Approval(s): | Technology Assessment Committee 12/18/2013 (Adopted Interqual Criteria), 01/28/2015 (annual review), 01/27/2016 (annual review), 01/25/2017 (annual review), 01/24/2018 (annual review) 1/23/2019 (annual review); 05/27/2020 (Adopted Fallon Health criteria) |

*Not all services mentioned in this policy are covered for all products or employer groups. Coverage is based upon the terms of a member’s particular benefit plan which may contain its own specific provisions for coverage and exclusions regardless of medical necessity. Please consult the product’s Evidence of Coverage for exclusions or other benefit limitations applicable to this service or supply. If there is any discrepancy between this policy and a member’s benefit plan, the provisions of the benefit plan will govern. However, applicable state mandates take precedence with respect to fully-insured plans and self-funded non-ERISA (e.g., government, school boards, church) plans. Unless otherwise specifically excluded, federal mandates will apply to all plans. For Medicare and Medicaid members, this policy will apply unless Medicare and Medicaid policies extend coverage beyond this policy.*