Indications for Sacroiliac Joint Therapeutic Injections (SJI)

For the treatment of SIJ pain:
- All of the following must be met:
  - Low back pain maximal below level of L5 which may radiate to the groin or lower extremity persisting at least 3 months (Manchikanti, 2013a); AND
  - Positive exam findings to suggest the diagnosis which may include the pelvic distraction test, pelvic compression test, thigh thrust test, FABER (Patrick’s test) or Gaenslen’s test (Laslett, 2008; MacVicar, 2017); AND
  - Active conservative treatment for a minimum of 6 weeks in the last 6 months (including physical therapy, home exercise, patient education, psychosocial support, and/or medication) has failed unless the medical reason this conservative treatment cannot be done is clearly documented (AHRQ, 2013; Manchikanti, 2013a; Summers, 2013); AND
  - Pain causing functional limitations or average pain levels of ≥ 6 on a scale of 0 to 10 (AHRQ, 2013; Manchikanti, 2009; Manchikanti, 2013a; Summers, 2013)

For the treatment of spondyloarthropathy (ACR 2012):
- All of the following must be met:
  - The patient has experienced ≥ 3 months of low back pain; AND
  - Age of onset < 45 years; AND
  - Comprehensive pain management program including physical therapy, home exercise, patient education, psychosocial support and/or oral medication is in place; AND
  - Prior history of evidence of sacroiliitis on imaging (i.e., active inflammation on magnetic resonance imaging [MRI] or definite radiographic sacroiliitis grade > 2 bilaterally or grade 3-4 unilaterally); AND
  - 1 or more spondyloarthropathy features:
    - Inflammatory back pain with at least 4 of the following criteria present:
      - Age at onset < 45 years
      - Insidious onset
      - Improvement with exercise
      - No improvement with rest
      - Pain at night (with improvement upon getting up)
    - Arthritis
    - Enthesitis of the heel (irritability of muscles, tendons, or ligaments where they enter the bone)
    - Uveitis (inflammation of the uvea, the middle layer of the eye)
    - Dactylitis (inflammation of a finger or toe)
    - Psoriasis
    - Crohn’s/colitis
    - Good response to NSAIDs
    - Family history of spondyloarthropathy
    - Positive testing for HLA-B27
    - Elevated C-reactive protein (CRP)

Frequency of Repeat Therapeutic Injections
- SJI injections may be repeated up to 2 times in the initial treatment phase no sooner than 2 weeks apart provided that at least 50% relief is obtained (Manchikanti, 2013a); AND
• SIJ injections may only be repeated after the initial treatment phase if symptoms recur and the patient has had at least a 50% improvement for a minimum of 6 weeks after each therapeutic injection (Manchikanti, 2013a); AND
• The patient is actively engaged in other forms of active conservative non-operative treatment (unless pain prevents the patient from participating in conservative therapy (AHRQ, 2013; Qassem, 2017; Summers, 2013); AND
• Repeat injections should not be done more frequently than every two months for a total of 4 injections in a 12 month period (Manchikanti, 2013a); AND
• Pain causing functional limitations or average pain levels of ≥ 6 on a scale of 0 to 10 (AHRQ, 2013; Manchikanti, 2009; Manchikanti, 2013a; Summers, 2013).

**Contraindications for Sacroiliac Joint Injections**
- Active systemic infection
- Skin infection at the site of needle puncture
- Bleeding disorder or anticoagulation therapy
- Uncontrolled high blood pressure
- Uncontrolled diabetes
- Unstable angina
- Congestive heart failure
- Allergies to contrast, anesthetics, or steroids (AAOS, 2009)

**Policy Guidelines**

Conservative Therapy: (Musculoskeletal) includes a combination of modalities, such as rest, ice, heat, modified activities, medical devices, (such as crutches, immobilizer, metal braces, orthotics, rigid stabilizer or splints, etc and not to include neoprene sleeves), medications, diathermy, chiropractic treatments, or physician supervised home exercise program. Part of this combination may include the physician instructing patient to rest the area or stay off the injured part (AHRQ, 2013; Qassem, 2017; Summers, 2013).

Home Exercise Program - (HEP) - the following two elements are required to meet guidelines for completion of conservative therapy:
- Information provided on exercise prescription/plan and may include yoga, Tai chi, or supervised aerobic exercise (Qassem, 2017; Sculpo, 2001); AND
- Follow up with member with information provided regarding completion of HEP (after suitable 6 week period), or inability to complete HEP due to physical reason- i.e. increased pain, inability to physically perform exercises. (Patient inconvenience or noncompliance without explanation does not constitute “Inability to complete” HEP).

**Key Primary CPT Code:** 27096

**Description**

This guideline addresses the use of sacroiliac joint injections for the treatment of low back pain that originates in the region of the sacroiliac joint. An injection of anesthetic and/or steroid may be used for the diagnosis and treatment of sacroiliac joint (SIJ) pain syndrome disorders (such as degenerative joint disease, postsurgical injuries, or traumatic injuries), or for treatment of spondyloarthropathy (inflammatory disorders of the joints and ligaments of the spine).

**Related Policies**

- N/A
Benefit Application

Benefit determinations should be based in all cases on the applicable contract language. To the extent there are any conflicts between these guidelines and the contract language, the contract language will control. Please refer to the member’s contract benefits in effect at the time of service to determine coverage or non-coverage of these services as it applies to an individual member.

Some state or federal mandates (e.g., Federal Employee Program [FEP]) prohibits plans from denying Food and Drug Administration (FDA)-approved technologies as investigational. In these instances, plans may have to consider the coverage eligibility of FDA-approved technologies on the basis of medical necessity alone.

Regulatory Status

- N/A

Rationale

Sacroiliac joint injections are typically used for the following conditions:

Sacroiliac joint pain syndrome may be caused by various events, including pain secondary to postsurgical or traumatic injury, degeneration (wear and tear), or pregnancy. Physical examination (history and physical, provocative maneuvers) and diagnostic injection help to identify the source of pain as the SIJ.

Diagnostic SIJ injections are used to determine if the SIJ pain originates with the SIJ. Diagnostic blocks can reveal (or fail to reveal) that the source of pain is originating from the SIJ, and then an appropriate treatment plan can be developed (Curatolo et al, 2010; Manchikanti et al, 2013a).

Therapeutic SIJ injections may be used to treat SIJ pain once it has been determined that the SIJ is the origin of the pain. A therapeutic injection typically includes a corticosteroid and a local anesthetic that can be injected directly into the joint (intra-articular) or into the tissues surrounding the joint (periarticular).

Spondyloarthropathy (also known as spondyloarthritis) is the name for a family of rheumatic diseases that cause arthritis. Sacroilitis is a key indicator of spondyloarthropathy and is diagnosed with imaging. Patients with spondyloarthropathy are generally managed by rheumatologists and account for only a small percentage of the cases that present in interventional pain management settings.

Low back pain is one of the most common of all spinal pain problems. According to the Centers for Disease Control and Prevention (CDC), the prevalence of low back pain in adults 18 years of age and older is 28.4% and may range as high as 32.1% in adults ≥ 75 years (CDC, 2012). Symptoms of low back pain may arise from multiple sites, including lumbar intervertebral discs, facet joints, sacroiliac joints, ligaments, fascia, muscles, and nerve root dura. The sacroiliac joint has been shown to be a source of pain in 10% to 27% of chronic low back pain (Hansen et al, 2007; Simopoulos et al, 2012; Manchikanti et al, 2013a).

The sacroiliac joint (SIJ) is located between the sacrum (located at the base of the spine) and the pelvis, and supports the weight of the upper body in the standing position. There are SJs in both the right and left side of the lower back. Strong ligaments hold the joints in place. The SIJ is well innervated and has been shown to be capable of being a source of low back pain and referred pain in the lower extremity. Low back pain originating from the SIJ can result from inflammatory conditions such as sacroilitis, spondyloarthropathy (ankylosing spondylitis;
rheumatoid spondylitis), or from postsurgical or traumatic injury, degeneration (wear and tear),
or pregnancy. SIJ pain most often occurs in the buttocks and lower back, and may radiate
down through the buttocks and the leg. Physical examination and radiographic techniques may
confirm a diagnosis related to spondyloarthropathy. Physical examination, including provocative
maneuvers to elicit pain response, and controlled SIJ injections can help diagnose
noninflammatory pain arising from the SIJ (Hansen et al, 2007; Medline Plus, 2012; Mayo Clinic,
2013).

In order to confirm correct placement of the injectable medication into the intra-articular
space, fluoroscopic or computed tomography (CT) guidance is used. A periarticular injection
into the soft tissue may be used if ligamentous or muscular attachments are suspected to be
involved. The goal of the therapeutic injection is to reduce inflammation and/or pain and
provide longer pain relief. Long-term relief is generally defined as 6 weeks or longer, but positive
responders generally have a much longer duration of response; serial injections may be required
in order to maintain therapeutic effectiveness (Hansen et al, 2007; AAOS, 2009; Luukkainen et al,

Spinal injections for the treatment of SIJ pain syndrome are typically performed as one part of a
comprehensive treatment program, which will nearly always include an exercise program to
improve or maintain spinal mobility. Potential candidates for SIJ injections include those with low
back pain originating from the SIJ that is unresponsive to conservative treatments.

Treatment for SIJ pain depends upon the signs and symptoms, as well as the underlying cause
for the pain. Medications, such as over-the-counter analgesics, a short course of narcotics,
muscle relaxants or tumor necrosis factor (TNF) inhibitors, such as etanercept (Enbrel),
adalimumab (Humira), or infliximab (Remicade), may be prescribed. Therapy sessions with a
physical therapist involving range-of-motion, stretching, and strengthening exercises may be
used to maintain joint flexibility and strengthen the muscles. Other interventional procedures
used to treat SIJ pain include corticosteroid injections to reduce inflammation and pain,
radiofrequency denervation, electrical stimulation, or in rare cases, joint fusion (Mayo Clinic,
2013).

The indications for coverage for the treatment of spondyloarthropathy have been established
through use of the reviewed clinical studies and through criteria developed by the Assessment
of SpondyloArthritis International Society (ASAS) for the classification of axial spondyloarthritis
(Sieper et al, 2009). They are in keeping with the benefit guidelines developed by the Centers for
Medicare & Medicaid Services (CMS).

While evidence supports that SIJ injection is an effective method of determining the source of
pain, evidence supporting the efficacy of SIJ in the treatment of SIJ pain syndrome is
considerably limited. There are limited controlled or prospective clinical studies to support SIJ
injection for therapeutic purposes. Despite the limited quality of the clinical studies supporting SIJ
injection for the treatment of SIJ pain, the procedure is recommended by the American Society
of Anesthesiologists (ASA) and the American Society of Regional Anesthesia and Pain
Management (ASRAPM) Practice Guidelines. The indications for coverage have been
established from the 2009 Comprehensive Evidence-Based Guidelines for Interventional
Techniques in the Management of Chronic Spinal Pain, and updated with the 2013 An Update
of Comprehensive Evidence-Based Guidelines for Interventional Techniques in Chronic Spinal
Pain. Part II: Guidance and Recommendations.

References


**Documentation for Clinical Review**

Please provide the following documentation (if/when requested):

- History and physical and/or consultation notes including:
  - Procedure performed and reason for procedure
  - Previous treatment and response (including duration of treatment)
- Radiology report(s), if applicable
- Prior procedure report(s), if applicable

**Post Service**
- Procedure report(s)

**Coding**

This Policy relates only to the services or supplies described herein. Benefits may vary according to product design; therefore, contract language should be reviewed before applying the terms of the Policy. Inclusion or exclusion of codes does not constitute or imply member coverage or provider reimbursement.

**MN/IE**

The following services may be considered medically necessary in certain instances and investigational in others. Services may be considered medically necessary when policy criteria are met. Services may be considered investigational when the policy criteria are not met or when the code describes application of a product in the position statement that is investigational.

<table>
<thead>
<tr>
<th>Type</th>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPT®</td>
<td>27096</td>
<td>Injection procedure for sacroiliac joint, anesthetic/steroid, with image guidance (fluoroscopy or CT) including arthrography when performed</td>
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<tr>
<td>HCPCS</td>
<td>G0260</td>
<td>Injection procedure for sacroiliac joint; provision of anesthetic, steroid and/or other therapeutic agent, with or without arthrography</td>
</tr>
<tr>
<td>ICD-10 Procedure</td>
<td>None</td>
<td>None</td>
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**Policy History**

This section provides a chronological history of the activities, updates and changes that have occurred with this Medical Policy.

<table>
<thead>
<tr>
<th>Effective Date</th>
<th>Action</th>
<th>Reason</th>
</tr>
</thead>
<tbody>
<tr>
<td>01/01/2017</td>
<td>Adoption of National Imaging Associates (NIA) Clinical Guidelines</td>
<td>Medical Policy Committee</td>
</tr>
<tr>
<td>07/01/2018</td>
<td>NIA Clinical Guideline update</td>
<td>Administrative Review</td>
</tr>
</tbody>
</table>
Definitions of Decision Determinations

**Medically Necessary:** A treatment, procedure, or drug is medically necessary only when it has been established as safe and effective for the particular symptoms or diagnosis, is not investigational or experimental, is not being provided primarily for the convenience of the patient or the provider, and is provided at the most appropriate level to treat the condition.

**Investigational/Experimental:** A treatment, procedure, or drug is investigational when it has not been recognized as safe and effective for use in treating the particular condition in accordance with generally accepted professional medical standards. This includes services where approval by the federal or state governmental is required prior to use, but has not yet been granted.

**Split Evaluation:** Blue Shield of California/Blue Shield of California Life & Health Insurance Company (Blue Shield) policy review can result in a split evaluation, where a treatment, procedure, or drug will be considered to be investigational for certain indications or conditions, but will be deemed safe and effective for other indications or conditions, and therefore potentially medically necessary in those instances.

Prior Authorization Requirements (as applicable to your plan)

Within five days before the actual date of service, the provider must confirm with Blue Shield that the member's health plan coverage is still in effect. Blue Shield reserves the right to revoke an authorization prior to services being rendered based on cancellation of the member's eligibility. Final determination of benefits will be made after review of the claim for limitations or exclusions.

Questions regarding the applicability of this policy should be directed to the Prior Authorization Department. Please call (800) 541-6652 or visit the provider portal at www.blueshieldca.com/provider.

Disclaimer: This medical policy is a guide in evaluating the medical necessity of a particular service or treatment. Blue Shield of California may consider published peer-reviewed scientific literature, national guidelines, and local standards of practice in developing its medical policy. Federal and state law, as well as contract language, including definitions and specific contract provisions/exclusions, take precedence over medical policy and must be considered first in determining covered services. Member contracts may differ in their benefits. Blue Shield reserves the right to review and update policies as appropriate.