

Evolut Clinical Guideline 1754 for Paravertebral Facet Joint Denervation (Radiofrequency Neurolysis)

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| Guideline Number: Evolut_CG_1754 | <u>Applicable Codes</u> | |
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| Original Date: October 2012 | Last Revised Date: <u>December 2024</u> | Implementation Date: July 2025 ^{54} |

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STATEMENT

General Information

It is an expectation that all patients receive care/services from a licensed clinician. All appropriate supporting documentation, including recent pertinent office visit notes, laboratory data, and results of any special testing must be provided. If applicable: All prior relevant imaging results and the reason that alternative imaging cannot be performed must be included in the documentation submitted.

Special Note

Unilateral procedures performed at the same level(s) on the right vs left;

- If performed within 1 month of each other are counted as one procedure
- A minimum timeframe is not required between denervation procedures
- Opposite side denervation procedures performed within 1 month of the first side do not require follow-up information to be submitted

See Legislative Language for specific mandates in Washington

INDICATIONS FOR PARAVERTEBRAL FACET JOINT DENERVATION (RADIOFREQUENCY NEUROLYSIS)

Facet Joint Pain (1,2,3,4,5)

For the treatment of facet-mediated pain, **ALL** of the following must be met:

- Lack of evidence that the primary source of pain being treated is from sacroiliac joint pain, discogenic pain, disc herniation or radiculitis
- Pain causing functional disability or average pain level of ≥ 6 on a scale of 0 to 10 **related to the requested spinal region**
- Duration of pain of at least **3 months**
 - For radiofrequency ablation following diagnostic medial branch blocks, a positive response to at least one local anesthetic block of the facet joint nerves (medial branch blocks) with at least 70% pain relief or improved ability to function for a minimal duration at least equal to that of the local anesthetic, but with insufficient sustained relief (less than 3 months duration) documented as:
 - Continued pain, after the diagnostic relief period, causing functional disability or average pain level of ≥ 6 on a scale of 0 to 10 related to the requested spinal region.
- Failure of **conservative treatment*** for a minimum of six (6) weeks in the last six (6) months
 - **NOTE:** Failure of conservative treatment is defined as one of the following:
 - Lack of meaningful improvement after a full course of treatment; **OR**
 - Progression or worsening of symptoms during treatment; **OR**

- Documentation of a medical reason the member is unable to participate in the treatment (*Closure of medical or therapy offices, patient inconvenience, or noncompliance without explanation does not constitute 'inability to complete' treatment*)

Imaging Guidance ^(2,6)

- The facet joint is commonly identified under image guidance by Computed tomography (CT) or Fluoroscopy. Medial Branch Blocks are commonly identified by Fluoroscopy.

NOTE: All procedures must be performed using fluoroscopic or CT guidance

Repeat Procedures ^(2,3,6)

Facet joint denervation procedures may be repeated only as **medically necessary**. **Each** denervation procedure requires an authorization, and the following criteria must be met for repeat procedures:

- Positive response to prior radiofrequency denervation procedures with at least 50% pain relief or improved ability to function for at least 4 months
- The individual continues to have pain causing functional disability or average pain level ≥ 6 on a scale of 0-10 related to the requested spinal region.
- The individual is engaged in ongoing non-operative **conservative treatment*** unless the medical reason this treatment cannot be done is clearly documented.
- A maximum of 2 facet denervation procedures may be performed in a 12-month period **per spinal region**

EXCLUSIONS

These requests are excluded from consideration under this guideline:

- Radiofrequency denervation of the sacroiliac joint and/or sacral lateral branches (S1, S2, S3)

CONTRAINDICATIONS ^(4,5)

- Active systemic or spinal infection
- Skin infection at the site of needle puncture

LEGISLATIVE LANGUAGE

Washington

20140321B – Facet Neurotomy ⁽⁷⁾

Number and Coverage Topic:

20140321B – Facet Neurotomy

HTCC Coverage Determination:

Facet Neurotomy is a **covered benefit with conditions** consistent with the criteria identified in the reimbursement determination.

HTCC Reimbursement Determination:

Lumbar Facet Neurotomy is a **covered benefit with the following conditions**:

- Patient(s) must be over 17 years of age, and:
- Has at least six months of continuous low back pain referable to the facet joint
- The pain is non-radicular pain
- Condition is unresponsive to other therapies including conservative care
- There are no other clear structural cause of back pain
- There is no other pain syndrome affecting the spine.
- For identification, diagnosis, and treatment:
 - Patient must be selected by at least 80% improvement in pain after each of two differential medial branch blocks, one short-acting; one long-acting
 - One or two joints per each intervention, with documented, clinically significant improvement in pain and/or function for six months before further neurotomy at any level.

Cervical Facet Neurotomy for cervical pain is a **covered benefit with the following conditions**:

- Limited to C3 - 4, through C6 -7
- Patient(s) over 17 years of age, and:
- Has at least six months of continuous neck pain referable to the facet joint
- The pain is non-radicular
- Condition is unresponsive to other therapies including conservative care
- There are no other clear structural cause of neck pain
- No other pain syndrome affecting the spine
- For identification, diagnosis, and treatment:
 - Patient must be selected by 100% improvement in pain after each of two differential medial branch blocks, one short-acting, one long-acting
 - One joint per each intervention, with documented, clinically significant improvement in pain and/or function for six months before further neurotomy at any level.

Non-Covered Indicators

- Facet Neurotomy for the thoracic spine is **not covered**.
- Facet Neurotomy for headache is **not covered**.

CODING AND STANDARDS

Coding

CPT Codes

Cervical Thoracic Region:

64633, +64634

Lumbar Region:

64635, +64636

Applicable Lines of Business

| | |
|-------------------------------------|--|
| <input checked="" type="checkbox"/> | CHIP (Children's Health Insurance Program) |
| <input checked="" type="checkbox"/> | Commercial |
| <input checked="" type="checkbox"/> | Exchange/Marketplace |
| <input checked="" type="checkbox"/> | Medicaid |
| <input checked="" type="checkbox"/> | Medicare Advantage |

BACKGROUND

Definitions

Facet joints may refer pain to adjacent structures, making the underlying diagnosis difficult as referred pain may assume a pseudoradicular pattern. Lumbar facet joints may refer pain to the back, buttocks, and lower extremities while cervical facet joints may refer pain to the head, neck, and shoulders.

Imaging studies may detect changes in facet joint architecture, but correlation between radiologic findings and symptoms is unreliable. Although clinical signs are unsuitable for diagnosing facet joint-mediated pain, they may be of value in selecting individuals for controlled local anesthetic blocks of either the medial branches or the facet joint itself.

Interventions used in the treatment of individuals with a confirmed diagnosis of facet joint pain include medial branch nerve blocks in the lumbar, cervical, and thoracic spine; and radiofrequency neurolysis. The medial branch of the primary dorsal rami of the spinal nerves has been shown to be the primary innervations of facet joints.

Therapeutic Paravertebral Facet Joint Denervation (Radiofrequency Neurolysis)

Local anesthetic block is followed by the passage of radiofrequency current to generate heat and coagulate the target medial branch nerve. Traditional radiofrequency and cooled radiofrequency are included by this definition. Pulsed radiofrequency, cryo-ablation, or laser ablation are not included in this definition.

Radiofrequency neurolysis is a minimally invasive treatment for cervical, thoracic, and lumbar facet joint pain. It involves using energy in the radiofrequency range to cause necrosis of specific nerves (medial branches of the dorsal rami), preventing the neural transmission of pain. The objective of radiofrequency neurolysis is to both provide relief of pain and reduce the likelihood of recurrence.

Members of the American Society of Anesthesiologists (ASA) and the American Society of Regional Anesthesia and Pain Medicine (ASRA) have agreed that conventional or thermal radiofrequency ablation of the medial branch nerves to the facet joint should be performed for neck or low back pain. Radiofrequency neurolysis has been employed for over 30 years to treat facet joint pain. Prior to performing this procedure, shared decision-making between patient and physician must occur, and the patient must understand the procedure and its potential risks and results.

Medical Necessity

Medical necessity management for paravertebral facet interventions includes an initial evaluation including history and physical examination and a psychosocial and functional assessment. The following must also be determined ⁽³⁾.

- **Nature of the suspected organic problem**
- **Non-responsiveness to conservative treatment***
- **Level of pain and functional disability**
- **Conditions which may be contraindications to paravertebral facet injections**
- **Responsiveness to prior interventions**

It is generally considered **not medically necessary** to perform multiple interventional pain procedures on the same date of service. Documentation of a medical reason to perform injections in different regions on the same day can be provided and will be considered on a case-by-case basis (e.g., holding anticoagulation therapy on two separate dates creates undue risk for the patient).

Conservative Treatment* (2,4)

Non-operative treatment should include a multimodality approach consisting of at least one (1) active and one (1) inactive component targeting the affected spinal region.

- Active components
 - Physical therapy
 - Physician-supervised **home exercise program****
 - Chiropractic care
- Inactive Modalities
 - Medications (e.g., NSAIDs, steroids, analgesics)
 - Injections (e.g., epidural steroid injection, selective nerve root block)
 - Medical Devices (e.g., TENS unit, bracing)

Home Exercise Program (HEP) (8)**

The following two elements are required to meet conservative therapy guidelines for HEP:

- Documentation of an exercise prescription/plan provided by a physician, physical therapist, or chiropractor

AND

- Follow-up documentation regarding completion of HEP after the required 6-week timeframe or inability to complete HEP due to a documented medical reason (e.g., increased pain or inability to physically perform exercises).

POLICY HISTORY

| Date | Summary |
|----------------------|--|
| <u>December 2024</u> | <ul style="list-style-type: none"> • <u>This guideline replaces Evolent Clinical Guideline 302 for Paravertebral Facet Joint Denervation (Radiofrequency Neurolysis)</u> • <u>Hyperlinked "conservative treatment" and "medical necessity"</u> • <u>Added Medical Necessity section for consistency with Paravertebral Facet Joint Injections or Blocks guideline</u> |
| January 2024 | <ul style="list-style-type: none"> • Added Legislative Language for the State of Washington • Added section on image guidance • Adjusted conservative treatment language in body and background sections • Reduced background • Added table of contents • Updated references |

LEGAL AND COMPLIANCE

Guideline Approval

Committee

Reviewed / Approved by Evolent Specialty Clinical Guideline Review Committee

Disclaimer

Evolent Clinical Guidelines do not constitute medical advice. Treating health care professionals are solely responsible for diagnosis, treatment, and medical advice. Evolent uses Clinical Guidelines in accordance with its contractual obligations to provide utilization management. Coverage for services varies for individual members according to the terms of their health care coverage or government program. Individual members' health care coverage may not utilize some Evolent Clinical Guidelines. A list of procedure codes, services or drugs may not be all inclusive and does not imply that a service or drug is a covered or non-covered service or drug. Evolent reserves the right to review and update this Clinical Guideline in its sole discretion. Notice of any changes shall be provided as required by applicable provider agreements and laws or regulations. Members should contact their Plan customer service representative for specific coverage information.

REFERENCES

1. Chen Y S, Liu B, Gu F, Sima L. Radiofrequency Denervation on Lumbar Facet Joint Pain in the Elderly: A Randomized Controlled Prospective Trial. *Pain physician*. 2022; 25: 569-576.
2. Cohen S P, Bhaskar A, Bhatia A, Buvanendran A, Deer T et al. Consensus practice guidelines on interventions for lumbar facet joint pain from a multispecialty, international working group. *Regional anesthesia and pain medicine*. 2020; 45: 424-467.
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4. Sayed D, Grider J, Strand N, Hagedorn J M, Falowski S et al. The American Society of Pain and Neuroscience (ASPN) Evidence-Based Clinical Guideline of Interventional Treatments for Low Back Pain. *Journal of pain research*. 2022; 15: 3729-3832.
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7. Washington State Health Care Authority. Health Technology Clinical Committee Coverage Topic 20140321B – Facet Neurotomy. 2014; [https://www.hca.wa.gov/assets/program/052714_facet_final_findings_decision\[1\].pdf](https://www.hca.wa.gov/assets/program/052714_facet_final_findings_decision[1].pdf). [Accessed: 08/30/2024]
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Imaging Guidance (2,6)

- The facet joint is commonly identified under image guidance by Computed tomography (CT) or Fluoroscopy. Medial Branch Blocks are commonly identified by Fluoroscopy.

NOTE: All procedures must be performed using fluoroscopic or CT guidance

Repeat Procedures (2,3,6)

Facet joint denervation procedures may be repeated only as **medically necessary**. **Each** denervation procedure requires an authorization, and the following criteria must be met for repeat procedures:

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EXCLUSIONS

These requests are excluded from consideration under this guideline:

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CONTRAINDICATIONS (4,5)

- Active systemic or spinal infection
- Skin infection at the site of needle puncture

LEGISLATIVE LANGUAGE

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Number and Coverage Topic:

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HTCC Coverage Determination:

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HTCC Reimbursement Determination:

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- Has at least six months of continuous low back pain referable to the facet joint
- The pain is non-radicular pain
- Condition is unresponsive to other therapies including conservative care
- There are no other clear structural cause of back pain
- There is no other pain syndrome affecting the spine.
- For identification, diagnosis, and treatment:
 - Patient must be selected by at least 80% improvement in pain after each of two differential medial branch blocks, one short-acting; one long-acting
 - One or two joints per each intervention, with documented, clinically significant improvement in pain and/or function for six months before further neurotomy at any level.

Cervical Facet Neurotomy for cervical pain is a **covered benefit with the following conditions**:

- Limited to C3 - 4, through C6 -7
- Patient(s) over 17 years of age, and:
- Has at least six months of continuous neck pain referable to the facet joint
- The pain is non-radicular
- Condition is unresponsive to other therapies including conservative care
- There are no other clear structural cause of neck pain
- No other pain syndrome affecting the spine
- For identification, diagnosis, and treatment:
 - Patient must be selected by 100% improvement in pain after each of two differential medial branch blocks, one short-acting, one long-acting
 - One joint per each intervention, with documented, clinically significant improvement in pain and/or function for six months before further neurotomy at any level.

Non-Covered Indicators

- Facet Neurotomy for the thoracic spine is **not covered**.
- Facet Neurotomy for headache is **not covered**.

CODING AND STANDARDS

Coding

CPT Codes

Cervical Thoracic Region:

64633, +64634

Lumbar Region:

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Applicable Lines of Business

| | |
|-------------------------------------|--|
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BACKGROUND

Definitions

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Therapeutic Paravertebral Facet Joint Denervation (Radiofrequency Neurolysis)

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Medical Necessity

Medical necessity management for paravertebral facet interventions includes an initial evaluation including history and physical examination and a psychosocial and functional assessment. The following must also be determined ⁽³⁾:

- Nature of the suspected organic problem
- Non-responsiveness to **conservative treatment***
- Level of pain and functional disability
- Conditions which may be contraindications to paravertebral facet injections
- Responsiveness to prior interventions

It is generally considered **not medically necessary** to perform multiple interventional pain procedures on the same date of service. Documentation of a medical reason to perform injections in different regions on the same day can be provided and will be considered on a case-by-case basis (e.g., holding anticoagulation therapy on two separate dates creates undue risk for the patient).

Conservative Treatment* (2,4)

Non-operative treatment should include a multimodality approach consisting of at least one (1) active and one (1) inactive component targeting the affected spinal region.

- Active components
 - Physical therapy
 - Physician-supervised **home exercise program****
 - Chiropractic care
- Inactive Modalities

- Medications (e.g., NSAIDs, steroids, analgesics)
- Injections (e.g., epidural steroid injection, selective nerve root block)
- Medical Devices (e.g., TENS unit, bracing)

Home Exercise Program (HEP)** (8)

The following two elements are required to meet conservative therapy guidelines for HEP:

- Documentation of an exercise prescription/plan provided by a physician, physical therapist, or chiropractor

AND

- Follow-up documentation regarding completion of HEP after the required 6-week timeframe or inability to complete HEP due to a documented medical reason (e.g., increased pain or inability to physically perform exercises).

POLICY HISTORY

| Date | Summary |
|---------------|---|
| December 2024 | <ul style="list-style-type: none"> ● This guideline replaces Evolent Clinical Guideline 302 for Paravertebral Facet Joint Denervation (Radiofrequency Neurolysis) ● Hyperlinked "conservative treatment" and "medical necessity" ● Added Medical Necessity section for consistency with Paravertebral Facet Joint Injections or Blocks guideline |
| January 2024 | <ul style="list-style-type: none"> ● Added Legislative Language for the State of Washington ● Added section on image guidance ● Adjusted conservative treatment language in body and background sections ● Reduced background ● Added table of contents ● Updated references |

LEGAL AND COMPLIANCE

Guideline Approval

Committee

Reviewed / Approved by Evolent Specialty Clinical Guideline Review Committee

Disclaimer

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4. Sayed D, Grider J, Strand N, Hagedorn J M, Falowski S et al. The American Society of Pain and Neuroscience (ASPN) Evidence-Based Clinical Guideline of Interventional Treatments for Low Back Pain. *Journal of pain research*. 2022; 15: 3729-3832.
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8. Qaseem A, Wilt T J, McLean R M, Forciea M A, Denberg T D et al. Noninvasive Treatments for Acute, Subacute, and Chronic Low Back Pain: A Clinical Practice Guideline From the American College of Physicians. *Annals of internal medicine*. 2017; 166: 514-530.