

---

<b>Subject:</b>	Genicular Nerve Blocks and Ablation for Chronic Knee Pain	<b>Publish Date:</b>	01/04/2023
<b>Document #:</b>	SURG.00142	<b>Last Review Date:</b>	11/10/2022
<b>Status:</b>	Reviewed		

---

## Description/Scope

This document addresses genicular nerve blocks and genicular radiofrequency ablation, also called genicular neurotomy, genicular denervation or cooled radiofrequency therapy, as a treatment for the management of chronic knee pain. This document does not apply to regional anesthetic blocks or acute surgical pain. This document does not apply to the use of peripheral nerve blocks (for example sciatic and/or femoral nerve blocks) as an adjunct to systemic analgesia in the perioperative period for major knee surgery.

**Note:** Please see the following related documents for additional information:

---

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 eligibility for coverage. The member's contract benefits in effect on the date that services are rendered must be used. Medical Policy, which addresses medical efficacy, should be considered before utilizing medical opinion in adjudication. Medical technology is constantly evolving, and we reserve the right to review and update Medical Policy periodically.

No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, or otherwise, without permission from the health plan.

© CPT Only – American Medical Association

The requirements below are specific to the Florida Medicaid Managed Care Plan and are not a part of the Medical Policy or Clinical UM guideline approved by Elevance Health's Medical Policy and Technology Assessment Committee.

**If the Florida Medicaid Managed Care Plan intends to deny coverage on the basis that a diagnostic test, therapeutic procedure, or medical device or technology is experimental or investigational, the Managed Care Plan shall submit a request for coverage determination to the Agency in accordance with rule 59G-1.035, F.A.C and Core SMMC Contract, Attachment II, Section VI.G.4.d.**

**Below is a list of the materials the plans are required to submit when they deny coverage as experimental/investigational:**

- A. Include the CPT or HCPCS code(s)
- B. Include a list of other state Medicaid agencies and private insurers who cover the service
- C. Include information about the health service from the U.S. Food and Drug Administration
- D. Include known risks of the service and health outcomes of others who have received it
- E. Include a list of covered alternative services, if any, that could be used to treat the condition
- F. Identify a specific recipient needing the service
- G. Include the recipient's health history
- H. Include the disease information necessitating the requested service
- I. Include a rationale for the immediacy of the review

## Additional required information

- A. Submit the rationale used to preliminarily indicate the service is experimental/investigational
  1. Include peer-reviewed journal articles in PDF format with links to the online articles
  2. Include evidence-based clinical guidelines reviewed by the plan
- B. Submit direct contact information (name, phone number, & email address) for the Medical Director

# Medical Policy

SURG.00142

## Genicular Nerve Blocks and Ablation for Chronic Knee Pain

- DME.00011 Electrical Stimulation as a Treatment for Pain and Other Conditions: Surface and Percutaneous Devices
- SURG.00140 Peripheral Nerve Blocks for Treatment of Neuropathic Pain
- SURG.00155 Cryoneurolysis

### Position Statement

#### Investigational and Not Medically Necessary:

Genicular nerve blocks and genicular nerve ablation are considered **investigational and not medically necessary** for the treatment of chronic knee pain, including but not limited to any of the following:

- Degenerative joint disease;
- Osteoarthritis of the knee;
- As a treatment prior to knee replacement;
- As a treatment following knee replacement;
- As a treatment for individuals who are not candidates for knee replacement surgery.

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 eligibility for coverage. The member's contract benefits in effect on the date that services are rendered must be used. Medical Policy, which addresses medical efficacy, should be considered before utilizing medical opinion in adjudication. Medical technology is constantly evolving, and we reserve the right to review and update Medical Policy periodically.

No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, or otherwise, without permission from the health plan.

© CPT Only – American Medical Association

The requirements below are specific to the Florida Medicaid Managed Care Plan and are not a part of the Medical Policy or Clinical UM guideline approved by Elevance Health's Medical Policy and Technology Assessment Committee.

**If the Florida Medicaid Managed Care Plan intends to deny coverage on the basis that a diagnostic test, therapeutic procedure, or medical device or technology is experimental or investigational, the Managed Care Plan shall submit a request for coverage determination to the Agency in accordance with rule 59G-1.035, F.A.C and Core SMMC Contract, Attachment II, Section VI.G.4.d.**

**Below is a list of the materials the plans are required to submit when they deny coverage as experimental/investigational:**

- A. Include the CPT or HCPCS code(s)**
- B. Include a list of other state Medicaid agencies and private insurers who cover the service**
- C. Include information about the health service from the U.S. Food and Drug Administration**
- D. Include known risks of the service and health outcomes of others who have received it**
- E. Include a list of covered alternative services, if any, that could be used to treat the condition**
- F. Identify a specific recipient needing the service**
- G. Include the recipient's health history**
- H. Include the disease information necessitating the requested service**
- I. Include a rationale for the immediacy of the review**

#### Additional required information

- A. Submit the rationale used to preliminarily indicate the service is experimental/investigational**
  - 1. Include peer-reviewed journal articles in PDF format with links to the online articles**
  - 2. Include evidence-based clinical guidelines reviewed by the plan**
- B. Submit direct contact information (name, phone number, & email address) for the Medical Director**

### Rationale

Genicular nerve blocks and genicular radiofrequency ablation are proposed treatments for chronic knee pain that has not been effectively managed by pharmacologic or other therapies. Published studies have evaluated the use of nerve blocks for the diagnosis and treatment of neuralgias and neuropathic pain conditions; however, there is a lack of published adequately designed trials concerning the use of genicular nerve blocks and radiofrequency ablation as treatments for chronic knee pain.

In a 2011 randomized controlled trial by Choi and colleagues, the authors investigated whether radiofrequency ablation applied to articular nerve branches (genicular nerves) was effective in treating chronic knee joint osteoarthritis pain. The 38 study participants (who had severe knee osteoarthritis lasting longer than 3 months) were randomized to two treatment arms; radiofrequency ablation (n=19) or control group (n=19). Using a visual analog scale (VAS), Oxford Knee Score (OKS), and Global Perceived Effect (GPE) on a 7-point scale, measurements were taken at baseline, and at 1, 4, and 12 weeks following the procedure. At the 4-week point, the VAS showed the radiofrequency group had less knee joint pain than the control group. Similar findings were noted in the OKS. There were no post-procedure adverse events reported during the follow-up period. While this study showed pain

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 eligibility for coverage. The member's contract benefits in effect on the date that services are rendered must be used. Medical Policy, which addresses medical efficacy, should be considered before utilizing medical opinion in adjudication. Medical technology is constantly evolving, and we reserve the right to review and update Medical Policy periodically.

No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, or otherwise, without permission from the health plan.

© CPT Only – American Medical Association

The requirements below are specific to the Florida Medicaid Managed Care Plan and are not a part of the Medical Policy or Clinical UM guideline approved by Elevance Health's Medical Policy and Technology Assessment Committee.

**If the Florida Medicaid Managed Care Plan intends to deny coverage on the basis that a diagnostic test, therapeutic procedure, or medical device or technology is experimental or investigational, the Managed Care Plan shall submit a request for coverage determination to the Agency in accordance with rule 59G-1.035, F.A.C and Core SMMC Contract, Attachment II, Section VI.G.4.d.**

**Below is a list of the materials the plans are required to submit when they deny coverage as experimental/investigational:**

- A. Include the CPT or HCPCS code(s)**
- B. Include a list of other state Medicaid agencies and private insurers who cover the service**
- C. Include information about the health service from the U.S. Food and Drug Administration**
- D. Include known risks of the service and health outcomes of others who have received it**
- E. Include a list of covered alternative services, if any, that could be used to treat the condition**
- F. Identify a specific recipient needing the service**
- G. Include the recipient's health history**
- H. Include the disease information necessitating the requested service**
- I. Include a rationale for the immediacy of the review**

### Additional required information

- A. Submit the rationale used to preliminarily indicate the service is experimental/investigational**
  - 1. Include peer-reviewed journal articles in PDF format with links to the online articles**
  - 2. Include evidence-based clinical guidelines reviewed by the plan**
- B. Submit direct contact information (name, phone number, & email address) for the Medical Director**

## Genicular Nerve Blocks and Ablation for Chronic Knee Pain

reduction in those with chronic knee osteoarthritis pain, the authors concluded that “further trials with larger sample size and longer follow-up are warranted.”

In a 2016 randomized study by Qudsi-Sinclair and colleagues, 28 participants with continued knee pain following total knee arthroplasty were evaluated after having received traditional radiofrequency (n=14) or local anesthetic and corticosteroid block of the genicular nerves in the knee (n=14). In this double-blind, randomized study, the participants were followed for 1 year. During the first 3 to 6 months, an improvement in joint function and a reduction in pain were shown, with the results being similar between the two treatment arms. While the study showed improvement in both groups, the authors noted that further studies should be done with larger sample sizes to determine if there are any long-term adverse effects.

Santana Pineda and colleagues (2017) reported on a prospective study in which 25 participants with chronic osteoarthritis of the knee received radiofrequency ablation of genicular nerves. Follow-up evaluations were done at 1, 6, and 12 months after the procedure. The primary outcome measure was the change from baseline knee pain using VAS. Those who reported an improvement of 50% or greater in pretreatment VAS 1, 6, and 12 months following intervention were 22/25 (88%), 16/25 (64%) and 8/25 (32%), respectively. The study did not control for or assess post-procedural medication or physical therapy use. The observational, noncontrolled, unblinded design of

---

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 eligibility for coverage. The member's contract benefits in effect on the date that services are rendered must be used. Medical Policy, which addresses medical efficacy, should be considered before utilizing medical opinion in adjudication. Medical technology is constantly evolving, and we reserve the right to review and update Medical Policy periodically.

No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, or otherwise, without permission from the health plan.

© CPT Only – American Medical Association

The requirements below are specific to the Florida Medicaid Managed Care Plan and are not a part of the Medical Policy or Clinical UM guideline approved by Elevance Health's Medical Policy and Technology Assessment Committee.

**If the Florida Medicaid Managed Care Plan intends to deny coverage on the basis that a diagnostic test, therapeutic procedure, or medical device or technology is experimental or investigational, the Managed Care Plan shall submit a request for coverage determination to the Agency in accordance with rule 59G-1.035, F.A.C and Core SMMC Contract, Attachment II, Section VI.G.4.d.**

**Below is a list of the materials the plans are required to submit when they deny coverage as experimental/investigational:**

- A. Include the CPT or HCPCS code(s)**
- B. Include a list of other state Medicaid agencies and private insurers who cover the service**
- C. Include information about the health service from the U.S. Food and Drug Administration**
- D. Include known risks of the service and health outcomes of others who have received it**
- E. Include a list of covered alternative services, if any, that could be used to treat the condition**
- F. Identify a specific recipient needing the service**
- G. Include the recipient's health history**
- H. Include the disease information necessitating the requested service**
- I. Include a rationale for the immediacy of the review**

### **Additional required information**

- A. Submit the rationale used to preliminarily indicate the service is experimental/investigational**
  - 1. Include peer-reviewed journal articles in PDF format with links to the online articles**
  - 2. Include evidence-based clinical guidelines reviewed by the plan**
- B. Submit direct contact information (name, phone number, & email address) for the Medical Director**

# Medical Policy

SURG.00142

## Genicular Nerve Blocks and Ablation for Chronic Knee Pain

this study allows the possibility that these subjectively reported results may have been influenced by placebo effects and reporter biases. While improvement was noted following the radiofrequency procedure, the authors stated that “Larger-scale studies are needed to confirm the results and address the safety aspects in other populations.”

In a 2018 randomized study by El-Hakeim and colleagues, the authors reported on the efficacy of genicular radiofrequency neurotomy for pain due to knee osteoarthritis. There were 30 participants who received radiofrequency compared to 30 participants who received only conventional analgesics. Participants were followed for 6 months. Outcomes were measured by WOMAC, VAS, and a Likert scale to assess member satisfaction. Although the scores were reviewed by an investigator who was unaware of each participant’s study group, the participants themselves were aware of whether they received radiofrequency ablation or not. VAS scores were lower in the radiofrequency group at all follow-up times. WOMAC scores were also reported as better in the radiofrequency group. The small cohorts, single-center design, potential placebo effects, and short-term follow-up limit the generalizability of these findings. Further study is needed to confirm these results.

A 2018 study by Davis and colleagues reported on the safety and efficacy of genicular CRFA compared to intra-articular steroid (IAS) injection for individuals with osteoarthritis of the knee. In this prospective, randomized, cross-over trial, study participants were included if they had a known diagnosis of osteoarthritis of the knee,

---

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 eligibility for coverage. The member’s contract benefits in effect on the date that services are rendered must be used. Medical Policy, which addresses medical efficacy, should be considered before utilizing medical opinion in adjudication. Medical technology is constantly evolving, and we reserve the right to review and update Medical Policy periodically.

No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, or otherwise, without permission from the health plan.

© CPT Only – American Medical Association

The requirements below are specific to the Florida Medicaid Managed Care Plan and are not a part of the Medical Policy or Clinical UM guideline approved by Elevance Health’s Medical Policy and Technology Assessment Committee.

**If the Florida Medicaid Managed Care Plan intends to deny coverage on the basis that a diagnostic test, therapeutic procedure, or medical device or technology is experimental or investigational, the Managed Care Plan shall submit a request for coverage determination to the Agency in accordance with rule 59G-1.035, F.A.C and Core SMMC Contract, Attachment II, Section VI.G.4.d.**

**Below is a list of the materials the plans are required to submit when they deny coverage as experimental/investigational:**

- A. Include the CPT or HCPCS code(s)**
- B. Include a list of other state Medicaid agencies and private insurers who cover the service**
- C. Include information about the health service from the U.S. Food and Drug Administration**
- D. Include known risks of the service and health outcomes of others who have received it**
- E. Include a list of covered alternative services, if any, that could be used to treat the condition**
- F. Identify a specific recipient needing the service**
- G. Include the recipient’s health history**
- H. Include the disease information necessitating the requested service**
- I. Include a rationale for the immediacy of the review**

### **Additional required information**

- A. Submit the rationale used to preliminarily indicate the service is experimental/investigational**
  - 1. Include peer-reviewed journal articles in PDF format with links to the online articles**
  - 2. Include evidence-based clinical guidelines reviewed by the plan**
- B. Submit direct contact information (name, phone number, & email address) for the Medical Director**

# Medical Policy

SURG.00142

## Genicular Nerve Blocks and Ablation for Chronic Knee Pain

complaints of knee pain for at least 6 months that was unresponsive to conservative treatment, NRS pain score of 6 or greater, OKS of 35 or less, positive diagnostic genicular nerve block (defined as a decrease of  $\geq 50\%$  in NRS score), and, if the participant was taking an opioid or other morphine-equivalent medication, the dose was clinically stable. Participants were allowed to use analgesics as needed during the study. A total of 138 participants proceeded to treatment; 67 participants received genicular CRFA and 71 participants received IAS. Participants were assessed at baseline and at 1, 3, and 6 months following treatments. After 6 months of treatment, the participants randomized to the IAS cohort were allowed to crossover and receive CRFA. Using the 11-point NRS, the primary efficacy outcome was the proportion of participants whose knee pain was reduced by 50% or greater from baseline at 6 months after treatment. Secondary outcomes included change in knee function detected by OKS, participant perception of treatment effect as reflected by the GPE score, and opioid and nonopioid (nonsteroidal anti-inflammatory drugs) analgesic use measured by self-reported average daily dosage used. The mean baseline pain score were  $7.3 \pm 1.2$  for the 76 participants in the CRFA group and  $7.2 \pm 1$  for the 75 participants in the IAS group. At the 6-month visit, the NRS score was  $2.5 \pm 2.3$  in the CRFA group (n=58) and  $5.9 \pm 2.2$  in the intra-articular steroid group (n=68). A total of 43/58 (74% - 95% CI, 62.9–85.4%) participants in the CRFA and 11/68 (16% 95% CI, 7.4–24.9%) participants in the IAS group had  $\geq 50\%$  reduction in NRS score at 6 months. The mean OKS in each study cohort did not significantly differ at baseline and improved at all end points in both study groups. The differences between mean OKS improvement (and 95% CIs) were significantly better for CRFA than for the IAS

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 eligibility for coverage. The member's contract benefits in effect on the date that services are rendered must be used. Medical Policy, which addresses medical efficacy, should be considered before utilizing medical opinion in adjudication. Medical technology is constantly evolving, and we reserve the right to review and update Medical Policy periodically.

No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, or otherwise, without permission from the health plan.

© CPT Only – American Medical Association

The requirements below are specific to the Florida Medicaid Managed Care Plan and are not a part of the Medical Policy or Clinical UM guideline approved by Elevance Health's Medical Policy and Technology Assessment Committee.

**If the Florida Medicaid Managed Care Plan intends to deny coverage on the basis that a diagnostic test, therapeutic procedure, or medical device or technology is experimental or investigational, the Managed Care Plan shall submit a request for coverage determination to the Agency in accordance with rule 59G-1.035, F.A.C and Core SMMC Contract, Attachment II, Section VI.G.4.d.**

**Below is a list of the materials the plans are required to submit when they deny coverage as experimental/investigational:**

- A. Include the CPT or HCPCS code(s)**
- B. Include a list of other state Medicaid agencies and private insurers who cover the service**
- C. Include information about the health service from the U.S. Food and Drug Administration**
- D. Include known risks of the service and health outcomes of others who have received it**
- E. Include a list of covered alternative services, if any, that could be used to treat the condition**
- F. Identify a specific recipient needing the service**
- G. Include the recipient's health history**
- H. Include the disease information necessitating the requested service**
- I. Include a rationale for the immediacy of the review**

### **Additional required information**

- A. Submit the rationale used to preliminarily indicate the service is experimental/investigational**
  - 1. Include peer-reviewed journal articles in PDF format with links to the online articles**
  - 2. Include evidence-based clinical guidelines reviewed by the plan**
- B. Submit direct contact information (name, phone number, & email address) for the Medical Director**

# Medical Policy

SURG.00142

## Genicular Nerve Blocks and Ablation for Chronic Knee Pain

group at 1 month (4, 0.98 – 7,  $p=0.004$ ), 3 months (10, 7.28 – 12.7,  $p < 0.0001$ ) and at 6 months (13.3, 10.28 – 16.4,  $p < 0.0001$ ). At 6 months, 53/58 participants (91%, 95% CI 83.9–98.8) in the CRFA cohort reported improved GPE compared to the participants 16/67 (24%, 95% CI 13.4–34.4) in the IAS. At baseline, 33 participants in the CRFA group required nonopioid medication and 34 participants in the IAS group required nonopioid medication. At 6 months, mean nonopioid drug dose use was  $-34.5 \pm 128.9$  mg in the CRFA group and  $135.5 \pm 391$  mg in the IAS group. No procedure-related serious adverse events were reported. At 6 months, 74.1% of CRFA participants reported reduced index knee pain by at least 50% compared to 16.2% in participants treated with IAS injections. GPE improved in 91% of the CRFA group compared to 24% in the IAS group. Opioid analgesic use was not different between the two groups and remained similar to baseline use. While this study suggests that, when compared with a single IAS injection, CRFA provides a reduction in knee pain associated with improved knee function, the study has several limitations. The participants received only one IAS injection over a 6-month period, the study was not blinded, and the study questionnaires were self-administered. There was a lack of a true control group since IAS injections are considered analgesics. There was no formal recording of medication usage in this study. This allowed for the potential for error and/or inability to identify acute changes in medication dosage during the study. Since participants in both study groups used opioids for medical indications other than osteoarthritis-related knee pain, the effect of each treatment on opioid use could not be specifically measured. Further studies

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 eligibility for coverage. The member's contract benefits in effect on the date that services are rendered must be used. Medical Policy, which addresses medical efficacy, should be considered before utilizing medical opinion in adjudication. Medical technology is constantly evolving, and we reserve the right to review and update Medical Policy periodically.

No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, or otherwise, without permission from the health plan.

© CPT Only – American Medical Association

The requirements below are specific to the Florida Medicaid Managed Care Plan and are not a part of the Medical Policy or Clinical UM guideline approved by Elevance Health's Medical Policy and Technology Assessment Committee.

**If the Florida Medicaid Managed Care Plan intends to deny coverage on the basis that a diagnostic test, therapeutic procedure, or medical device or technology is experimental or investigational, the Managed Care Plan shall submit a request for coverage determination to the Agency in accordance with rule 59G-1.035, F.A.C and Core SMMC Contract, Attachment II, Section VI.G.4.d.**

**Below is a list of the materials the plans are required to submit when they deny coverage as experimental/investigational:**

- A. Include the CPT or HCPCS code(s)**
- B. Include a list of other state Medicaid agencies and private insurers who cover the service**
- C. Include information about the health service from the U.S. Food and Drug Administration**
- D. Include known risks of the service and health outcomes of others who have received it**
- E. Include a list of covered alternative services, if any, that could be used to treat the condition**
- F. Identify a specific recipient needing the service**
- G. Include the recipient's health history**
- H. Include the disease information necessitating the requested service**
- I. Include a rationale for the immediacy of the review**

### **Additional required information**

- A. Submit the rationale used to preliminarily indicate the service is experimental/investigational**
  - 1. Include peer-reviewed journal articles in PDF format with links to the online articles**
  - 2. Include evidence-based clinical guidelines reviewed by the plan**
- B. Submit direct contact information (name, phone number, & email address) for the Medical Director**

# Medical Policy

SURG.00142

## Genicular Nerve Blocks and Ablation for Chronic Knee Pain

with a true control group and consistent tracking of additional medication usage are necessary to determine efficacy of genicular CRFA for osteoarthritis-related knee pain.

As a follow-up, Davis and colleagues (2019) reported on the proportion of individuals from the Davis 2018 cohort who had reduction in knee pain by  $\geq 50\%$  from baseline to 12 months. The focus of the Davis 2019 study was to describe the individual's experience through 12 months. Reduction in knee pain at 12 months was evaluated using the NRS. Secondary endpoints included change in knee function using the OKS, participant perception of treatment measured by the GPE score, and opioid analgesic use by self-reporting. At 12 months, 52 of the original 78 participants in the original CRFA group and 4 of the original 75 IAS group members completed the NRS assessment tool. The IAS cohort was significantly reduced in size because 58 of its participants crossed over to the CRFA group 6 months after their IAS injection. Twelve months after the study intervention, there were no significant differences between the CRFA group and the IAS group in the mean NRS score (3.1 for CRFA vs. 3.3 for IAS,  $p=0.99$ ), OKS (34.3 for CRFA vs. 22 for IAS,  $p=0.11$ ), or in the percentage of participants with improved (75 for CRFA vs. 50 for IAS,  $p=0.29$ ). In the CRFA group, the mean total daily dose of opioid analgesic medication at 12 months was similar to baseline. Between 6 and 12 months, there were 81 adverse events that occurred in the CRFA group. These included pain in the index knee, pain in the non-index knee, musculoskeletal pain, and falls. This study shares the limitations outlined above for the original study. Significant cross-over led to severe attrition

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 eligibility for coverage. The member's contract benefits in effect on the date that services are rendered must be used. Medical Policy, which addresses medical efficacy, should be considered before utilizing medical opinion in adjudication. Medical technology is constantly evolving, and we reserve the right to review and update Medical Policy periodically.

No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, or otherwise, without permission from the health plan.

© CPT Only – American Medical Association

The requirements below are specific to the Florida Medicaid Managed Care Plan and are not a part of the Medical Policy or Clinical UM guideline approved by Elevance Health's Medical Policy and Technology Assessment Committee.

**If the Florida Medicaid Managed Care Plan intends to deny coverage on the basis that a diagnostic test, therapeutic procedure, or medical device or technology is experimental or investigational, the Managed Care Plan shall submit a request for coverage determination to the Agency in accordance with rule 59G-1.035, F.A.C and Core SMMC Contract, Attachment II, Section VI.G.4.d.**

**Below is a list of the materials the plans are required to submit when they deny coverage as experimental/investigational:**

- A. Include the CPT or HCPCS code(s)**
- B. Include a list of other state Medicaid agencies and private insurers who cover the service**
- C. Include information about the health service from the U.S. Food and Drug Administration**
- D. Include known risks of the service and health outcomes of others who have received it**
- E. Include a list of covered alternative services, if any, that could be used to treat the condition**
- F. Identify a specific recipient needing the service**
- G. Include the recipient's health history**
- H. Include the disease information necessitating the requested service**
- I. Include a rationale for the immediacy of the review**

### **Additional required information**

- A. Submit the rationale used to preliminarily indicate the service is experimental/investigational**
  - 1. Include peer-reviewed journal articles in PDF format with links to the online articles**
  - 2. Include evidence-based clinical guidelines reviewed by the plan**
- B. Submit direct contact information (name, phone number, & email address) for the Medical Director**



# Medical Policy

SURG.00142

## Genicular Nerve Blocks and Ablation for Chronic Knee Pain

---

in the IAS group. This prevents reasonable conclusions from being drawn about the relative effects of CRFA and IAS at 12 months.

In another study using the original participants from the Davis 2018 cohort, Hunter and colleagues (2020) reported on outcomes of participants at 18 and 24 months after CRFA. This extended outcome study included 33 of the 151 participants from the 2018 cohorts (19 from the CRFA arm, 14 from the crossover arm, and 0 from the ISA-only arm). At 18 months after CRFA, 25 participants were evaluated. The mean NRS pain score for these 25 participants was 3.1 with a mean OKS of 47.2. Only 18 participants remained at the 24 months evaluation. Using the NRS, mean pain score was 3.6 and OKS was 46.8. Perceived improvement of the GPE score was reported by 20 of the 25 participants remaining for evaluation at 18 months and by 12 of the 18 who remained at 24 months. No adverse events were reported at 18 and 24 months after CRFA. In addition to the limitations noted above for the original study, this follow-up is further limited by significant attrition in the studied population.

In a 2021 study by Yilmaz and colleagues, the authors reported on 40 participants with osteoarthritis of the knee who received either IAS injections (n=20) or IAS injections plus genicular nerve block (n=20). Severity of pain was assessed using a VAS (0-10) and the Leeds Assessment of Neuropathic Symptoms and Signs pain scale. Functional status was assessed using the Western Ontario and McMaster Universities Osteoarthritis Index (WOMAC). Quality

---

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 eligibility for coverage. The member's contract benefits in effect on the date that services are rendered must be used. Medical Policy, which addresses medical efficacy, should be considered before utilizing medical opinion in adjudication. Medical technology is constantly evolving, and we reserve the right to review and update Medical Policy periodically.

No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, or otherwise, without permission from the health plan.

© CPT Only – American Medical Association

The requirements below are specific to the Florida Medicaid Managed Care Plan and are not a part of the Medical Policy or Clinical UM guideline approved by Elevance Health's Medical Policy and Technology Assessment Committee.

**If the Florida Medicaid Managed Care Plan intends to deny coverage on the basis that a diagnostic test, therapeutic procedure, or medical device or technology is experimental or investigational, the Managed Care Plan shall submit a request for coverage determination to the Agency in accordance with rule 59G-1.035, F.A.C and Core SMMC Contract, Attachment II, Section VI.G.4.d.**

**Below is a list of the materials the plans are required to submit when they deny coverage as experimental/investigational:**

- A. Include the CPT or HCPCS code(s)**
- B. Include a list of other state Medicaid agencies and private insurers who cover the service**
- C. Include information about the health service from the U.S. Food and Drug Administration**
- D. Include known risks of the service and health outcomes of others who have received it**
- E. Include a list of covered alternative services, if any, that could be used to treat the condition**
- F. Identify a specific recipient needing the service**
- G. Include the recipient's health history**
- H. Include the disease information necessitating the requested service**
- I. Include a rationale for the immediacy of the review**

### **Additional required information**

- A. Submit the rationale used to preliminarily indicate the service is experimental/investigational**
  - 1. Include peer-reviewed journal articles in PDF format with links to the online articles**
  - 2. Include evidence-based clinical guidelines reviewed by the plan**
- B. Submit direct contact information (name, phone number, & email address) for the Medical Director**

# Medical Policy

SURG.00142

## Genicular Nerve Blocks and Ablation for Chronic Knee Pain

of life was assessed by the Nottingham Health Profile. Participants were assessed at baseline, 1 month and 3 months following injections. In the IAS injection only group, the baseline and 3-month VAS was 6.75 and 1.50 for the IAS group compared to 6.65 and 3.0 for the IAS + genicular nerve block group. Baseline and 3-months Leeds Assessment of Neuropathic Symptoms and Signs pain scales were 13.40 and 6.70 for the IAS group compared to 14.35 and 8.4 for the IAS + genicular nerve block group. For the WOMAC score, the baseline and 3-months scores were 51.57% and 35.06% for the IAS group and 54.26% and 48.74% for the IAS + genicular nerve block group. The baseline and 3-month Quality of Life scores were 27.69 and 21.90 for the IAS group compared to 28.15 and 25.63 for the IAS + genicular nerve block group. The Quality of Life score in the IAS injection plus genicular nerve block group only improved from baseline to 1 month evaluation. While both treatment groups showed improvements in pain and quality of life scores, the IAS injection only group showed greater improvements than the steroids plus genicular nerve block group. Limitations of this study include its small size and the lack of comparison between genicular nerve block to treatments other than IAS injection.

Chen and colleagues (2020a) reported the 6-month results of an industry-sponsored randomized, multicenter study comparing CRFA of the genicular nerve to a single injection of intra-articular hyaluronic acid. The authors acknowledged that the Food and Drug Administration (FDA) has questioned hyaluronic acid's mechanism of action in treatment of knee pain and that "clinical practice guidelines for orthopaedic surgeons do not currently

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 eligibility for coverage. The member's contract benefits in effect on the date that services are rendered must be used. Medical Policy, which addresses medical efficacy, should be considered before utilizing medical opinion in adjudication. Medical technology is constantly evolving, and we reserve the right to review and update Medical Policy periodically.

No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, or otherwise, without permission from the health plan.

© CPT Only – American Medical Association

The requirements below are specific to the Florida Medicaid Managed Care Plan and are not a part of the Medical Policy or Clinical UM guideline approved by Elevance Health's Medical Policy and Technology Assessment Committee.

**If the Florida Medicaid Managed Care Plan intends to deny coverage on the basis that a diagnostic test, therapeutic procedure, or medical device or technology is experimental or investigational, the Managed Care Plan shall submit a request for coverage determination to the Agency in accordance with rule 59G-1.035, F.A.C and Core SMMC Contract, Attachment II, Section VI.G.4.d.**

**Below is a list of the materials the plans are required to submit when they deny coverage as experimental/investigational:**

- A. Include the CPT or HCPCS code(s)**
- B. Include a list of other state Medicaid agencies and private insurers who cover the service**
- C. Include information about the health service from the U.S. Food and Drug Administration**
- D. Include known risks of the service and health outcomes of others who have received it**
- E. Include a list of covered alternative services, if any, that could be used to treat the condition**
- F. Identify a specific recipient needing the service**
- G. Include the recipient's health history**
- H. Include the disease information necessitating the requested service**
- I. Include a rationale for the immediacy of the review**

### **Additional required information**

- A. Submit the rationale used to preliminarily indicate the service is experimental/investigational**
  - 1. Include peer-reviewed journal articles in PDF format with links to the online articles**
  - 2. Include evidence-based clinical guidelines reviewed by the plan**
- B. Submit direct contact information (name, phone number, & email address) for the Medical Director**

# Medical Policy

SURG.00142

## Genicular Nerve Blocks and Ablation for Chronic Knee Pain

recommend hyaluronic acid for the treatment of knee osteoarthritis pain.” All participants received genicular nerve block. Pain was assessed using the NRS. The CRFA group had a mean NRS pain score at baseline of 6.5 and 0.6 following the block. The intra-articular hyaluronic acid group had a mean NRS pain score of 6.5 at baseline and 0.5 after the block. Following the blocks, those who experienced greater than or equal to 50% reduction in pain within 15 minutes after the block were randomized to the CRFA group (n=88) or to the single intra-articular hyaluronic acid injection group (n=87). The primary endpoint was the proportion of individuals who had knee pain reduced by greater than or equal to 50% from baseline to 6 months following treatment. Knee pain, function, and stiffness was assessed by WOMAC. Treatment effect was assessed by GPE and the EuroQol-5 Dimensions-5 Level (EQ-5D-5L) questionnaire. At the 6-month evaluation, 76 (87%) participants in the CRFA group and 82 (94%) in the intra-articular hyaluronic acid group were available for evaluation. The authors report a mean NRS score reduction of 4.1 in the CRFA group with 71% of participants reporting greater than or equal to 50% reduction in pain. In the intra-articular hyaluronic acid group, the mean NRS score reduction was 2.5 with 38% of participants reporting greater than or equal to 50% reduction in pain. Mean WOMAC score at baseline in the CRFA group was 66.1 compared to 67.7 in the intra-articular hyaluronic acid group. At the 6-month evaluation, the mean total WOMAC scores in the CRFA were 33.6 and 53.6 in the intra-articular hyaluronic acid group. Between-group differences were statistically significant at all follow-up intervals for the WOMAC total score as well as for the WOMAC pain, physical functioning scores. Differences for the WOMAC knee stiffness scores were significant at the 3 and 6 month follow-

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 eligibility for coverage. The member's contract benefits in effect on the date that services are rendered must be used. Medical Policy, which addresses medical efficacy, should be considered before utilizing medical opinion in adjudication. Medical technology is constantly evolving, and we reserve the right to review and update Medical Policy periodically.

No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, or otherwise, without permission from the health plan.

© CPT Only – American Medical Association

The requirements below are specific to the Florida Medicaid Managed Care Plan and are not a part of the Medical Policy or Clinical UM guideline approved by Elevance Health's Medical Policy and Technology Assessment Committee.

**If the Florida Medicaid Managed Care Plan intends to deny coverage on the basis that a diagnostic test, therapeutic procedure, or medical device or technology is experimental or investigational, the Managed Care Plan shall submit a request for coverage determination to the Agency in accordance with rule 59G-1.035, F.A.C and Core SMMC Contract, Attachment II, Section VI.G.4.d.**

**Below is a list of the materials the plans are required to submit when they deny coverage as experimental/investigational:**

- A. Include the CPT or HCPCS code(s)**
- B. Include a list of other state Medicaid agencies and private insurers who cover the service**
- C. Include information about the health service from the U.S. Food and Drug Administration**
- D. Include known risks of the service and health outcomes of others who have received it**
- E. Include a list of covered alternative services, if any, that could be used to treat the condition**
- F. Identify a specific recipient needing the service**
- G. Include the recipient's health history**
- H. Include the disease information necessitating the requested service**
- I. Include a rationale for the immediacy of the review**

### **Additional required information**

- A. Submit the rationale used to preliminarily indicate the service is experimental/investigational**
  - 1. Include peer-reviewed journal articles in PDF format with links to the online articles**
  - 2. Include evidence-based clinical guidelines reviewed by the plan**
- B. Submit direct contact information (name, phone number, & email address) for the Medical Director**

# Medical Policy

SURG.00142

## Genicular Nerve Blocks and Ablation for Chronic Knee Pain

ups. In terms of GPE, 1 month after treatment, the CRFA group had 18 participants with 'not improved' or 'worse' condition and 69 participants who 'felt improvement' compared to 32 and 52 in the intra-articular hyaluronic acid group, respectively. At the 6-month evaluation, the CRFA group had 21 participants with 'not improved' or 'worse' condition and 55 participants who 'felt improved'. The intra-articular hyaluronic acid group had 49 participants with 'not improved' or 'worse' condition and 33 participants who 'felt improvement'. The mean EQ-5D-5L Index score at baseline in the CRFA group was 0.67 and 0.80 at 6 months following treatment. Mean baseline score in the intra-articular hyaluronic acid group was 0.66 and 0.72 after 6 months. Overall, there were 94 adverse events in the CRFA group and 63 in the intra-articular hyaluronic acid group. The CRFA group had 18 adverse events deemed to have a relationship to treatment compared to 9 adverse events in the intra-articular hyaluronic acid cohort. This study has several limitations beginning with the selection of a questionably effective treatment (hyaluronic acid) as the comparison group. Potentials for bias exist due to industry sponsorship, the open-label design, and lack of blinding. Significantly more CRFA group members (11/87, 12.6%) were lost to follow-up compared to the intra-articular hyaluronic acid cohort (3/84, 3.6%). There were also only 8 participants in the CRFA group and 7 in the intra-articular hyaluronic acid group who reported taking opioid medication at baseline. With such low numbers, the authors reported difficulty measuring trends regarding opioid consumption following treatment. This study took place across several medical centers with imbalanced enrollment at several of the sites. Further well-designed,

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 eligibility for coverage. The member's contract benefits in effect on the date that services are rendered must be used. Medical Policy, which addresses medical efficacy, should be considered before utilizing medical opinion in adjudication. Medical technology is constantly evolving, and we reserve the right to review and update Medical Policy periodically.

No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, or otherwise, without permission from the health plan.

© CPT Only – American Medical Association

The requirements below are specific to the Florida Medicaid Managed Care Plan and are not a part of the Medical Policy or Clinical UM guideline approved by Elevance Health's Medical Policy and Technology Assessment Committee.

**If the Florida Medicaid Managed Care Plan intends to deny coverage on the basis that a diagnostic test, therapeutic procedure, or medical device or technology is experimental or investigational, the Managed Care Plan shall submit a request for coverage determination to the Agency in accordance with rule 59G-1.035, F.A.C and Core SMMC Contract, Attachment II, Section VI.G.4.d.**

**Below is a list of the materials the plans are required to submit when they deny coverage as experimental/investigational:**

- A. Include the CPT or HCPCS code(s)**
- B. Include a list of other state Medicaid agencies and private insurers who cover the service**
- C. Include information about the health service from the U.S. Food and Drug Administration**
- D. Include known risks of the service and health outcomes of others who have received it**
- E. Include a list of covered alternative services, if any, that could be used to treat the condition**
- F. Identify a specific recipient needing the service**
- G. Include the recipient's health history**
- H. Include the disease information necessitating the requested service**
- I. Include a rationale for the immediacy of the review**

### **Additional required information**

- A. Submit the rationale used to preliminarily indicate the service is experimental/investigational**
  - 1. Include peer-reviewed journal articles in PDF format with links to the online articles**
  - 2. Include evidence-based clinical guidelines reviewed by the plan**
- B. Submit direct contact information (name, phone number, & email address) for the Medical Director**

# Medical Policy

SURG.00142

## Genicular Nerve Blocks and Ablation for Chronic Knee Pain

randomized controlled trials comparing CRFA to guideline-directed therapy are necessary to support reasonable conclusions about the effectiveness of genicular nerve CRFA.

Using the same cohort in the 2020a Chen study above, Chen and colleagues (2020b) reported on participants in the intra-articular hyaluronic acid group who were invited to “crossover” to receive CRFA treatment 6 months after their hyaluronic acid injection. These participants were then followed for an additional 6 months. The original CRFA group was also evaluated after the additional 6 months. Twelve months after the original study start date, 66 (75%) of the participants from the CRFA group were available for evaluation. In the original intra-articular injection group, 68 participants (78%) chose to cross over and receive CRFA. There were 62 crossover participants available for evaluation at 12 months. A total of 14 participants who received intra-articular injection did not crossover and 11 of them were available for evaluation at 12 months. In the original CRFA group, 43 participants (65%) reported pain reduction greater than or equal to 50% using the NRS pain scale. The mean NRS pain score was 2.8 at 12 months compared to the mean baseline score of 6.9. Mean total WOMAC score at 12 months was 33.2. Using GPE, 63.3% of participants reported improved knee condition. The mean EQ-5D-5L Index score was 0.81 compared to a mean baseline of 0.67. There were 47 adverse events reported and all were deemed unrelated or unlikely related to treatment. In the crossover group, 40/62 participants reported greater than or equal to 50% reduction in pain. The mean NRS score was 5.1 in this crossover group prior to receiving the CRFA. At 6 months

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 eligibility for coverage. The member's contract benefits in effect on the date that services are rendered must be used. Medical Policy, which addresses medical efficacy, should be considered before utilizing medical opinion in adjudication. Medical technology is constantly evolving, and we reserve the right to review and update Medical Policy periodically.

No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, or otherwise, without permission from the health plan.

© CPT Only – American Medical Association

The requirements below are specific to the Florida Medicaid Managed Care Plan and are not a part of the Medical Policy or Clinical UM guideline approved by Elevance Health's Medical Policy and Technology Assessment Committee.

**If the Florida Medicaid Managed Care Plan intends to deny coverage on the basis that a diagnostic test, therapeutic procedure, or medical device or technology is experimental or investigational, the Managed Care Plan shall submit a request for coverage determination to the Agency in accordance with rule 59G-1.035, F.A.C and Core SMMC Contract, Attachment II, Section VI.G.4.d.**

**Below is a list of the materials the plans are required to submit when they deny coverage as experimental/investigational:**

- A. Include the CPT or HCPCS code(s)**
- B. Include a list of other state Medicaid agencies and private insurers who cover the service**
- C. Include information about the health service from the U.S. Food and Drug Administration**
- D. Include known risks of the service and health outcomes of others who have received it**
- E. Include a list of covered alternative services, if any, that could be used to treat the condition**
- F. Identify a specific recipient needing the service**
- G. Include the recipient's health history**
- H. Include the disease information necessitating the requested service**
- I. Include a rationale for the immediacy of the review**

### **Additional required information**

- A. Submit the rationale used to preliminarily indicate the service is experimental/investigational**
  - 1. Include peer-reviewed journal articles in PDF format with links to the online articles**
  - 2. Include evidence-based clinical guidelines reviewed by the plan**
- B. Submit direct contact information (name, phone number, & email address) for the Medical Director**

# Medical Policy

SURG.00142

## Genicular Nerve Blocks and Ablation for Chronic Knee Pain

after receiving CRFA, the mean NRS score was 3.0. Mean total WOMAC score at 12-months was 38.4. Using GPE, 62.9% reported improved knee condition. The mean EQ-5D-5L Index score was 0.79 compared to the mean baseline of 0.65. There were 68 adverse events with 62 unrelated to the treatment, 1 was unlikely to have been related, 2 were possibly related, and 3 were probably related to treatment. Of the 11 participants in the original intra-articular injection group available at the 12-month evaluation, 10 reported greater than or equal to 50% reduction in pain. The mean NRS score at baseline was 6.9 and 1.5 at 12 months. There were 8 adverse events reported and all were deemed unrelated or unlikely related to treatment. While this study suggests individuals who initially receive intra-articular hyaluronic acid injections can benefit from CRFA afterwards, this study has the same limitations noted above for the Chen 2020a study as well as an additional limitation from the nearly total elimination of the control group by the cross over intervention.

In a planned extension of the Chen study discussed above, Lyman and colleagues (2022) compared CRFA of genicular nerves to a single hyaluronic injection in 57 participants. Efficacy was assessed at 18 and 24 months by using NRS, WOMAC, the GPE scale, and the EQ-5D-5L questionnaire. At 24 months, most participants reported pain relief and improvement in function and quality of life. However, only 27 participants were available for follow-up at 24 months. And those from the Chen study who received the hyaluronic injection were not followed out for 24 months. Therefore, there was no true comparison group.

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 eligibility for coverage. The member's contract benefits in effect on the date that services are rendered must be used. Medical Policy, which addresses medical efficacy, should be considered before utilizing medical opinion in adjudication. Medical technology is constantly evolving, and we reserve the right to review and update Medical Policy periodically.

No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, or otherwise, without permission from the health plan.

© CPT Only – American Medical Association

The requirements below are specific to the Florida Medicaid Managed Care Plan and are not a part of the Medical Policy or Clinical UM guideline approved by Elevance Health's Medical Policy and Technology Assessment Committee.

**If the Florida Medicaid Managed Care Plan intends to deny coverage on the basis that a diagnostic test, therapeutic procedure, or medical device or technology is experimental or investigational, the Managed Care Plan shall submit a request for coverage determination to the Agency in accordance with rule 59G-1.035, F.A.C and Core SMMC Contract, Attachment II, Section VI.G.4.d.**

**Below is a list of the materials the plans are required to submit when they deny coverage as experimental/investigational:**

- A. Include the CPT or HCPCS code(s)**
- B. Include a list of other state Medicaid agencies and private insurers who cover the service**
- C. Include information about the health service from the U.S. Food and Drug Administration**
- D. Include known risks of the service and health outcomes of others who have received it**
- E. Include a list of covered alternative services, if any, that could be used to treat the condition**
- F. Identify a specific recipient needing the service**
- G. Include the recipient's health history**
- H. Include the disease information necessitating the requested service**
- I. Include a rationale for the immediacy of the review**

### **Additional required information**

- A. Submit the rationale used to preliminarily indicate the service is experimental/investigational**
  - 1. Include peer-reviewed journal articles in PDF format with links to the online articles**
  - 2. Include evidence-based clinical guidelines reviewed by the plan**
- B. Submit direct contact information (name, phone number, & email address) for the Medical Director**

In a 2021 randomized trial of 64 participants, Elsaman and colleagues reported outcomes for individuals with osteoarthritis of the knee who received either genicular nerve block (n=33) or IAS injections (n=31). Follow-up was for 12 weeks. Assessment was done using sonography of large joints in Rheumatology (SOLAR) scoring, VAS, and Lysholm score. Pain improved in both treatment groups with no significant between-group differences.

A 2022 randomized trial by Ghai and colleagues reported results for 30 individuals with osteoarthritis of the knee who had either radiofrequency of the genicular nerves or genicular nerve block using local anesthetic and steroid. Follow-up assessments were made 12 weeks after the procedures using WOMAC scores and a verbal NRS. The verbal NRS scores decreased in both groups and WOMAC scores improved in both groups. Neither treatment group was found to be better than the other.

Another randomized trial in 2022 compared genicular nerve block to physical therapy in participants with knee osteoarthritis. Güler and colleagues reported on 51 participants who received genicular nerve block and 51 participants who received physical therapy along with a standard home exercise program. Follow-up assessments were done after 12 weeks. These assessments were done using VAS, WOMAC score, and a 6 minute walk test.

---

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 eligibility for coverage. The member's contract benefits in effect on the date that services are rendered must be used. Medical Policy, which addresses medical efficacy, should be considered before utilizing medical opinion in adjudication. Medical technology is constantly evolving, and we reserve the right to review and update Medical Policy periodically.

No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, or otherwise, without permission from the health plan.

© CPT Only – American Medical Association

The requirements below are specific to the Florida Medicaid Managed Care Plan and are not a part of the Medical Policy or Clinical UM guideline approved by Elevance Health's Medical Policy and Technology Assessment Committee.

**If the Florida Medicaid Managed Care Plan intends to deny coverage on the basis that a diagnostic test, therapeutic procedure, or medical device or technology is experimental or investigational, the Managed Care Plan shall submit a request for coverage determination to the Agency in accordance with rule 59G-1.035, F.A.C and Core SMMC Contract, Attachment II, Section VI.G.4.d.**

**Below is a list of the materials the plans are required to submit when they deny coverage as experimental/investigational:**

- A. Include the CPT or HCPCS code(s)**
- B. Include a list of other state Medicaid agencies and private insurers who cover the service**
- C. Include information about the health service from the U.S. Food and Drug Administration**
- D. Include known risks of the service and health outcomes of others who have received it**
- E. Include a list of covered alternative services, if any, that could be used to treat the condition**
- F. Identify a specific recipient needing the service**
- G. Include the recipient's health history**
- H. Include the disease information necessitating the requested service**
- I. Include a rationale for the immediacy of the review**

### **Additional required information**

- A. Submit the rationale used to preliminarily indicate the service is experimental/investigational**
  - 1. Include peer-reviewed journal articles in PDF format with links to the online articles**
  - 2. Include evidence-based clinical guidelines reviewed by the plan**
- B. Submit direct contact information (name, phone number, & email address) for the Medical Director**

# Medical Policy

SURG.00142

## Genicular Nerve Blocks and Ablation for Chronic Knee Pain

---

Both treatment groups improved during the course of the study with no significant differences between the treatment groups.

Two retrospective chart reviews (Innaccone, 2017; Konya, 2020) reported on individuals who received radiofrequency ablation of the genicular nerves due to knee osteoarthritis. Participants were evaluated for 6 months following treatment. While there was reported improvement in pain following radiofrequency ablation, the lack of a control group, high attrition rate and potential for selection bias limit the findings. Other retrospective reviews (Kapural, 2019; McCormick, 2017) reported on the efficacy of CRFA for knee osteoarthritis. Lack of a control group, lack of consistent treatments, and varying follow-up times make generalizability difficult.

Several systematic reviews and meta-analyses have been published (Chen, 2021; Gupta, 2017; Hong, 2019; Jamison, 2018; Liu, 2022; Tan, 2022) evaluating the use of CRFA and genicular nerve blocks for treatment knee osteoarthritis. The heterogeneous procedural and assessment methods, inconsistent follow-up periods, and differing comparison treatments used in these studies makes it difficult to form reasonable conclusions about the benefits of this procedure.

---

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 eligibility for coverage. The member's contract benefits in effect on the date that services are rendered must be used. Medical Policy, which addresses medical efficacy, should be considered before utilizing medical opinion in adjudication. Medical technology is constantly evolving, and we reserve the right to review and update Medical Policy periodically.

No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, or otherwise, without permission from the health plan.

© CPT Only – American Medical Association

The requirements below are specific to the Florida Medicaid Managed Care Plan and are not a part of the Medical Policy or Clinical UM guideline approved by Elevance Health's Medical Policy and Technology Assessment Committee.

**If the Florida Medicaid Managed Care Plan intends to deny coverage on the basis that a diagnostic test, therapeutic procedure, or medical device or technology is experimental or investigational, the Managed Care Plan shall submit a request for coverage determination to the Agency in accordance with rule 59G-1.035, F.A.C and Core SMMC Contract, Attachment II, Section VI.G.4.d.**

**Below is a list of the materials the plans are required to submit when they deny coverage as experimental/investigational:**

- A. Include the CPT or HCPCS code(s)**
- B. Include a list of other state Medicaid agencies and private insurers who cover the service**
- C. Include information about the health service from the U.S. Food and Drug Administration**
- D. Include known risks of the service and health outcomes of others who have received it**
- E. Include a list of covered alternative services, if any, that could be used to treat the condition**
- F. Identify a specific recipient needing the service**
- G. Include the recipient's health history**
- H. Include the disease information necessitating the requested service**
- I. Include a rationale for the immediacy of the review**

### **Additional required information**

- A. Submit the rationale used to preliminarily indicate the service is experimental/investigational**
  - 1. Include peer-reviewed journal articles in PDF format with links to the online articles**
  - 2. Include evidence-based clinical guidelines reviewed by the plan**
- B. Submit direct contact information (name, phone number, & email address) for the Medical Director**



At this time published studies lack true control groups or have serious methodologic problems that prevent reasonable conclusions on net health outcomes or treatment-guiding conclusions from their results.

### Background/Overview

Chronic osteoarthritis of the knee is one of the most common diseases of advanced age. With up to 20 million adults in the United States suffering from osteoarthritis of the knee, close to 700,000 cases progress to total knee joint replacement. Many individuals with chronic joint pain, however, are not candidates for invasive procedures due to body mass index, age and other comorbidities. Alternative therapies including arthroscopic debridement or injections are associated with less than optimal clinical outcomes. In addition to osteoarthritis, adults can experience knee pain due to a number of other causes, and an estimated 10-34 % of individuals experience long-term pain after a total knee replacement.

When an individual exhibits knee pain, the pain signals can be generated from the peripheral nerves innervating the knee including several branches of the genicular nerve. A diagnostic genicular nerve block consists of placing a small amount of local anesthetic, on the genicular nerves to determine if there is sufficient pain relief in the knee to

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 eligibility for coverage. The member's contract benefits in effect on the date that services are rendered must be used. Medical Policy, which addresses medical efficacy, should be considered before utilizing medical opinion in adjudication. Medical technology is constantly evolving, and we reserve the right to review and update Medical Policy periodically.

No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, or otherwise, without permission from the health plan.

© CPT Only – American Medical Association

The requirements below are specific to the Florida Medicaid Managed Care Plan and are not a part of the Medical Policy or Clinical UM guideline approved by Elevance Health's Medical Policy and Technology Assessment Committee.

**If the Florida Medicaid Managed Care Plan intends to deny coverage on the basis that a diagnostic test, therapeutic procedure, or medical device or technology is experimental or investigational, the Managed Care Plan shall submit a request for coverage determination to the Agency in accordance with rule 59G-1.035, F.A.C and Core SMMC Contract, Attachment II, Section VI.G.4.d.**

**Below is a list of the materials the plans are required to submit when they deny coverage as experimental/investigational:**

- A. Include the CPT or HCPCS code(s)**
- B. Include a list of other state Medicaid agencies and private insurers who cover the service**
- C. Include information about the health service from the U.S. Food and Drug Administration**
- D. Include known risks of the service and health outcomes of others who have received it**
- E. Include a list of covered alternative services, if any, that could be used to treat the condition**
- F. Identify a specific recipient needing the service**
- G. Include the recipient's health history**
- H. Include the disease information necessitating the requested service**
- I. Include a rationale for the immediacy of the review**

### Additional required information

- A. Submit the rationale used to preliminarily indicate the service is experimental/investigational**
  - 1. Include peer-reviewed journal articles in PDF format with links to the online articles**
  - 2. Include evidence-based clinical guidelines reviewed by the plan**
- B. Submit direct contact information (name, phone number, & email address) for the Medical Director**

# Medical Policy

SURG.00142

## Genicular Nerve Blocks and Ablation for Chronic Knee Pain

justify performing a therapeutic neurotomy. Radiofrequency ablation of the genicular nerves is then performed to restore function and alleviate knee pain.

### Definitions

**Cooled Radiofrequency Ablation (CRFA):** a modification of conventional radiofrequency ablation (see below) that uses a flow of water to draw heat away from the radiofrequency ablation probe tip. This reduces damage to collateral tissues.

**EuroQol-5 Dimensions-5 Level (EQ-5D-5L) Index:** A standardized questionnaire-based tool developed by the EuroQol Group that assesses quality of life (QoL) in 5 dimensions (mobility, self-care, usual activities, pain/discomfort and anxiety/depression). Each dimension is assessed at 5 levels of severity. Higher scores indicate greater degrees of pain, anxiety, or limited function. The scores for the separate dimensions can be combined into a single measure of the individuals QoL at the time the tool is administered. EQ-5D has been validated in a wide variety of populations.

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 eligibility for coverage. The member's contract benefits in effect on the date that services are rendered must be used. Medical Policy, which addresses medical efficacy, should be considered before utilizing medical opinion in adjudication. Medical technology is constantly evolving, and we reserve the right to review and update Medical Policy periodically.

No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, or otherwise, without permission from the health plan.

© CPT Only – American Medical Association

The requirements below are specific to the Florida Medicaid Managed Care Plan and are not a part of the Medical Policy or Clinical UM guideline approved by Elevance Health's Medical Policy and Technology Assessment Committee.

**If the Florida Medicaid Managed Care Plan intends to deny coverage on the basis that a diagnostic test, therapeutic procedure, or medical device or technology is experimental or investigational, the Managed Care Plan shall submit a request for coverage determination to the Agency in accordance with rule 59G-1.035, F.A.C and Core SMMC Contract, Attachment II, Section VI.G.4.d.**

**Below is a list of the materials the plans are required to submit when they deny coverage as experimental/investigational:**

- A. Include the CPT or HCPCS code(s)**
- B. Include a list of other state Medicaid agencies and private insurers who cover the service**
- C. Include information about the health service from the U.S. Food and Drug Administration**
- D. Include known risks of the service and health outcomes of others who have received it**
- E. Include a list of covered alternative services, if any, that could be used to treat the condition**
- F. Identify a specific recipient needing the service**
- G. Include the recipient's health history**
- H. Include the disease information necessitating the requested service**
- I. Include a rationale for the immediacy of the review**

### Additional required information

- A. Submit the rationale used to preliminarily indicate the service is experimental/investigational**
  - 1. Include peer-reviewed journal articles in PDF format with links to the online articles**
  - 2. Include evidence-based clinical guidelines reviewed by the plan**
- B. Submit direct contact information (name, phone number, & email address) for the Medical Director**

# Medical Policy

SURG.00142

## Genicular Nerve Blocks and Ablation for Chronic Knee Pain

---

**Numeric Rating Scale (NRS):** A pain measurement tool in which the individual says or marks a discrete number within a range. Commonly used ranges are 0 – 10 (1, 2, 3, - 10), 0 -20, and 0 – 100 in which 0 represents “no pain” and the upper limit represents “the worst pain I have ever had”. NRS is similar to VAS but is not continuous. It does not recognize responses between integers. It is thus less granular than VAS but can be used when VAS cannot be used, for example with vision-impaired individuals and during telephone interviews. Results are considered generally comparable to VAS.

**Likert Scale:** a psychometric tool used in questionnaires to assess an individual’s subjective state. Participants are asked to choose a value from a set arranged from strongly positive to strongly negative (or vice versa). A typical example would be to rate your level of agreement to a statement as: strongly disagree, somewhat disagree, neutral, somewhat agree, or strongly agree.

**Lysholm Score:** A questionnaire developed to an individual’s condition after knee ligament surgery. The tool assesses pain, swelling, limping, use of canes or crutches, locking or giving way of the knee, and the ability to climb stairs and to squat. Possible Lysholm scores range from 0 – 100 with higher scores indicating less pain, swelling and dysfunction.

---

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 eligibility for coverage. The member’s contract benefits in effect on the date that services are rendered must be used. Medical Policy, which addresses medical efficacy, should be considered before utilizing medical opinion in adjudication. Medical technology is constantly evolving, and we reserve the right to review and update Medical Policy periodically.

No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, or otherwise, without permission from the health plan.

© CPT Only – American Medical Association

The requirements below are specific to the Florida Medicaid Managed Care Plan and are not a part of the Medical Policy or Clinical UM guideline approved by Elevance Health’s Medical Policy and Technology Assessment Committee.

**If the Florida Medicaid Managed Care Plan intends to deny coverage on the basis that a diagnostic test, therapeutic procedure, or medical device or technology is experimental or investigational, the Managed Care Plan shall submit a request for coverage determination to the Agency in accordance with rule 59G-1.035, F.A.C and Core SMMC Contract, Attachment II, Section VI.G.4.d.**

**Below is a list of the materials the plans are required to submit when they deny coverage as experimental/investigational:**

- A. Include the CPT or HCPCS code(s)**
- B. Include a list of other state Medicaid agencies and private insurers who cover the service**
- C. Include information about the health service from the U.S. Food and Drug Administration**
- D. Include known risks of the service and health outcomes of others who have received it**
- E. Include a list of covered alternative services, if any, that could be used to treat the condition**
- F. Identify a specific recipient needing the service**
- G. Include the recipient’s health history**
- H. Include the disease information necessitating the requested service**
- I. Include a rationale for the immediacy of the review**

### **Additional required information**

- A. Submit the rationale used to preliminarily indicate the service is experimental/investigational**
  - 1. Include peer-reviewed journal articles in PDF format with links to the online articles**
  - 2. Include evidence-based clinical guidelines reviewed by the plan**
- B. Submit direct contact information (name, phone number, & email address) for the Medical Director**

# Medical Policy

SURG.00142

## Genicular Nerve Blocks and Ablation for Chronic Knee Pain

---

**Osteoarthritis:** A degenerative condition of the joints that causes destruction of the material in the joints that absorbs shock and allows proper movement.

**Oxford Knee Score (OKS):** A 12-question tool used to assess pain and function of the knee. Items are given a score between 1 and 5, with higher scores indicating higher levels of pain or dysfunction. The test has been shown to have good evidence of validity and strong inter-test reliability.

**Patient Global Impression of Change (PGIC) score:** a single-question assessment tool that asks an individual to describe the amount of change in activity limitation, symptoms, emotions, and quality of life. The 7 possible responses range from “No change (or condition is worse)”, scored as 1 point, to “considerable improvement” scored as 7 points.

**Radiofrequency ablation (also known as conventional radiofrequency ablation):** A surgical procedure where diseased cells are destroyed using heat produced by high-frequency radio waves.

**Visual Analog Scale (VAS):** A pain measurement tool in which an individual indicates their level of pain by placing a mark along a continuous line between end points that represent “no pain” and “the worst pain I have ever

---

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 eligibility for coverage. The member's contract benefits in effect on the date that services are rendered must be used. Medical Policy, which addresses medical efficacy, should be considered before utilizing medical opinion in adjudication. Medical technology is constantly evolving, and we reserve the right to review and update Medical Policy periodically.

No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, or otherwise, without permission from the health plan.

© CPT Only – American Medical Association

The requirements below are specific to the Florida Medicaid Managed Care Plan and are not a part of the Medical Policy or Clinical UM guideline approved by Elevance Health's Medical Policy and Technology Assessment Committee.

**If the Florida Medicaid Managed Care Plan intends to deny coverage on the basis that a diagnostic test, therapeutic procedure, or medical device or technology is experimental or investigational, the Managed Care Plan shall submit a request for coverage determination to the Agency in accordance with rule 59G-1.035, F.A.C and Core SMMC Contract, Attachment II, Section VI.G.4.d.**

**Below is a list of the materials the plans are required to submit when they deny coverage as experimental/investigational:**

- A. Include the CPT or HCPCS code(s)**
- B. Include a list of other state Medicaid agencies and private insurers who cover the service**
- C. Include information about the health service from the U.S. Food and Drug Administration**
- D. Include known risks of the service and health outcomes of others who have received it**
- E. Include a list of covered alternative services, if any, that could be used to treat the condition**
- F. Identify a specific recipient needing the service**
- G. Include the recipient's health history**
- H. Include the disease information necessitating the requested service**
- I. Include a rationale for the immediacy of the review**

### **Additional required information**

- A. Submit the rationale used to preliminarily indicate the service is experimental/investigational**
  - 1. Include peer-reviewed journal articles in PDF format with links to the online articles**
  - 2. Include evidence-based clinical guidelines reviewed by the plan**
- B. Submit direct contact information (name, phone number, & email address) for the Medical Director**

# Medical Policy

SURG.00142

## Genicular Nerve Blocks and Ablation for Chronic Knee Pain

had". The scale commonly uses a 10cm line on which the position of the mark can be reported in centimeters (0.0 – 10.0) or millimeters (0 – 100). VAS is widely used in clinical medicine and research and is considered a valid measure of a subjective phenomenon.

Western Ontario and McMaster Universities Osteoarthritis Index (WOMAC): A set of validated questionnaires used objectively to assess the condition of individuals with osteoarthritis of the knee or hip. The result is reported as a total score, pain score, stiffness score, and physical functioning score. Higher scores indicate worse pain, stiffness or physical functioning.

### Coding

*The following codes for treatments and procedures applicable to this document are included below for informational purposes. Inclusion or exclusion of a procedure, diagnosis or device code(s) does not constitute or imply member coverage or provider reimbursement policy. 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.*

### When services are Investigational and Not Medically Necessary:

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 eligibility for coverage. The member's contract benefits in effect on the date that services are rendered must be used. Medical Policy, which addresses medical efficacy, should be considered before utilizing medical opinion in adjudication. Medical technology is constantly evolving, and we reserve the right to review and update Medical Policy periodically.

No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, or otherwise, without permission from the health plan.

© CPT Only – American Medical Association

The requirements below are specific to the Florida Medicaid Managed Care Plan and are not a part of the Medical Policy or Clinical UM guideline approved by Elevance Health's Medical Policy and Technology Assessment Committee.

**If the Florida Medicaid Managed Care Plan intends to deny coverage on the basis that a diagnostic test, therapeutic procedure, or medical device or technology is experimental or investigational, the Managed Care Plan shall submit a request for coverage determination to the Agency in accordance with rule 59G-1.035, F.A.C and Core SMMC Contract, Attachment II, Section VI.G.4.d.**

**Below is a list of the materials the plans are required to submit when they deny coverage as experimental/investigational:**

- A. Include the CPT or HCPCS code(s)**
- B. Include a list of other state Medicaid agencies and private insurers who cover the service**
- C. Include information about the health service from the U.S. Food and Drug Administration**
- D. Include known risks of the service and health outcomes of others who have received it**
- E. Include a list of covered alternative services, if any, that could be used to treat the condition**
- F. Identify a specific recipient needing the service**
- G. Include the recipient's health history**
- H. Include the disease information necessitating the requested service**
- I. Include a rationale for the immediacy of the review**

### Additional required information

- A. Submit the rationale used to preliminarily indicate the service is experimental/investigational**
  - 1. Include peer-reviewed journal articles in PDF format with links to the online articles**
  - 2. Include evidence-based clinical guidelines reviewed by the plan**
- B. Submit direct contact information (name, phone number, & email address) for the Medical Director**

# Medical Policy

SURG.00142

## Genicular Nerve Blocks and Ablation for Chronic Knee Pain

---

### CPT

64454	Injection(s), anesthetic agent(s) and/or steroid; genicular nerve branches, including imaging guidance, when performed
64624	Destruction by neurolytic agent, genicular nerve branches including imaging guidance, when performed
64999	Unlisted procedure, nervous system [when specified as cooled or pulsed RF therapy (not destruction) to genicular nerve(s)]

### ICD-10 Diagnosis

M08.861-M08.869	Other juvenile arthritis, knee
M08.961-M08.969	Juvenile arthritis, unspecified, knee
M12.561-M12.569	Traumatic arthropathy, knee
M12.861-M12.869	Other specific arthropathies, not elsewhere classified, knee
M13.161-M13.169	Monoarthritis, not elsewhere classified, knee
M13.861-M13.869	Other specified arthritis, knee
M17.0-M17.9	Osteoarthritis of knee
M21.061-M21.069	Valgus deformity, not elsewhere classified, knee

---

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 eligibility for coverage. The member's contract benefits in effect on the date that services are rendered must be used. Medical Policy, which addresses medical efficacy, should be considered before utilizing medical opinion in adjudication. Medical technology is constantly evolving, and we reserve the right to review and update Medical Policy periodically.

No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, or otherwise, without permission from the health plan.

© CPT Only – American Medical Association

The requirements below are specific to the Florida Medicaid Managed Care Plan and are not a part of the Medical Policy or Clinical UM guideline approved by Elevance Health's Medical Policy and Technology Assessment Committee.

**If the Florida Medicaid Managed Care Plan intends to deny coverage on the basis that a diagnostic test, therapeutic procedure, or medical device or technology is experimental or investigational, the Managed Care Plan shall submit a request for coverage determination to the Agency in accordance with rule 59G-1.035, F.A.C and Core SMMC Contract, Attachment II, Section VI.G.4.d.**

**Below is a list of the materials the plans are required to submit when they deny coverage as experimental/investigational:**

- A. Include the CPT or HCPCS code(s)**
- B. Include a list of other state Medicaid agencies and private insurers who cover the service**
- C. Include information about the health service from the U.S. Food and Drug Administration**
- D. Include known risks of the service and health outcomes of others who have received it**
- E. Include a list of covered alternative services, if any, that could be used to treat the condition**
- F. Identify a specific recipient needing the service**
- G. Include the recipient's health history**
- H. Include the disease information necessitating the requested service**
- I. Include a rationale for the immediacy of the review**

### Additional required information

- A. Submit the rationale used to preliminarily indicate the service is experimental/investigational**
  - 1. Include peer-reviewed journal articles in PDF format with links to the online articles**
  - 2. Include evidence-based clinical guidelines reviewed by the plan**
- B. Submit direct contact information (name, phone number, & email address) for the Medical Director**

# Medical Policy

SURG.00142

## Genicular Nerve Blocks and Ablation for Chronic Knee Pain

---

M21.161-M21.169	Varus deformity, not elsewhere classified, knee
M21.261-M21.269	Flexion deformity, knee
M22.00-M22.92	Disorder of patella
M23.000-M23.92	Internal derangement of knee
M24.361-M24.369	Pathological dislocation of knee, not elsewhere classified
M24.461-M24.469	Recurrent dislocation, knee
M24.561-M24.569	Contracture, knee
M24.661-M24.669	Ankylosis, knee
M25.361-M25.369	Other instability, knee
M25.561-M25.569	Pain in knee
M25.661-M25.669	Stiffness of knee, not elsewhere classified
M25.761-M25.769	Osteophyte, knee
M25.861-M25.869	Other specified joint disorders, knee
M66.0	Rupture of popliteal cyst
M67.361-M67.369	Transient synovitis, knee
M67.461-M67.469	Ganglion, knee
M67.50-M67.52	Plica syndrome

---

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 eligibility for coverage. The member's contract benefits in effect on the date that services are rendered must be used. Medical Policy, which addresses medical efficacy, should be considered before utilizing medical opinion in adjudication. Medical technology is constantly evolving, and we reserve the right to review and update Medical Policy periodically.

No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, or otherwise, without permission from the health plan.

© CPT Only – American Medical Association

The requirements below are specific to the Florida Medicaid Managed Care Plan and are not a part of the Medical Policy or Clinical UM guideline approved by Elevance Health's Medical Policy and Technology Assessment Committee.

**If the Florida Medicaid Managed Care Plan intends to deny coverage on the basis that a diagnostic test, therapeutic procedure, or medical device or technology is experimental or investigational, the Managed Care Plan shall submit a request for coverage determination to the Agency in accordance with rule 59G-1.035, F.A.C and Core SMMC Contract, Attachment II, Section VI.G.4.d.**

**Below is a list of the materials the plans are required to submit when they deny coverage as experimental/investigational:**

- A. Include the CPT or HCPCS code(s)**
- B. Include a list of other state Medicaid agencies and private insurers who cover the service**
- C. Include information about the health service from the U.S. Food and Drug Administration**
- D. Include known risks of the service and health outcomes of others who have received it**
- E. Include a list of covered alternative services, if any, that could be used to treat the condition**
- F. Identify a specific recipient needing the service**
- G. Include the recipient's health history**
- H. Include the disease information necessitating the requested service**
- I. Include a rationale for the immediacy of the review**

### **Additional required information**

- A. Submit the rationale used to preliminarily indicate the service is experimental/investigational**
  - 1. Include peer-reviewed journal articles in PDF format with links to the online articles**
  - 2. Include evidence-based clinical guidelines reviewed by the plan**
- B. Submit direct contact information (name, phone number, & email address) for the Medical Director**

# Medical Policy

SURG.00142

## Genicular Nerve Blocks and Ablation for Chronic Knee Pain

M67.861-M67.869	Other specified disorders of synovium and tendon, knee
M70.40-M70.42	Prepatellar bursitis
M70.50-M70.52	Other bursitis of knee
M71.20-M71.22	Synovial cyst of popliteal space
M71.561-M71.569	Other bursitis, not elsewhere classified, knee
M92.40-M92.42	Juvenile osteochondrosis of patella
M92.501-M92.529	Juvenile osteochondrosis of tibia and fibula
M94.261-M94.269	Chondromalacia, knee
S80.00XA-S80.02XS	Contusion of knee
S83.101A-S83.196S	Subluxation and dislocation of knee
S83.401A-S83.92XS	Sprain of knee
S87.00XA-S87.02XS	Crushing injury of knee
T84.84XA-T84.84XS	Pain due to internal orthopedic prosthetic devices, implants and grafts
Z96.651-Z96.659	Presence of artificial knee joint

### References

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 eligibility for coverage. The member's contract benefits in effect on the date that services are rendered must be used. Medical Policy, which addresses medical efficacy, should be considered before utilizing medical opinion in adjudication. Medical technology is constantly evolving, and we reserve the right to review and update Medical Policy periodically.

No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, or otherwise, without permission from the health plan.

© CPT Only – American Medical Association

The requirements below are specific to the Florida Medicaid Managed Care Plan and are not a part of the Medical Policy or Clinical UM guideline approved by Elevance Health's Medical Policy and Technology Assessment Committee.

**If the Florida Medicaid Managed Care Plan intends to deny coverage on the basis that a diagnostic test, therapeutic procedure, or medical device or technology is experimental or investigational, the Managed Care Plan shall submit a request for coverage determination to the Agency in accordance with rule 59G-1.035, F.A.C and Core SMMC Contract, Attachment II, Section VI.G.4.d.**

**Below is a list of the materials the plans are required to submit when they deny coverage as experimental/investigational:**

- A. Include the CPT or HCPCS code(s)**
- B. Include a list of other state Medicaid agencies and private insurers who cover the service**
- C. Include information about the health service from the U.S. Food and Drug Administration**
- D. Include known risks of the service and health outcomes of others who have received it**
- E. Include a list of covered alternative services, if any, that could be used to treat the condition**
- F. Identify a specific recipient needing the service**
- G. Include the recipient's health history**
- H. Include the disease information necessitating the requested service**
- I. Include a rationale for the immediacy of the review**

### **Additional required information**

- A. Submit the rationale used to preliminarily indicate the service is experimental/investigational**
  - 1. Include peer-reviewed journal articles in PDF format with links to the online articles**
  - 2. Include evidence-based clinical guidelines reviewed by the plan**
- B. Submit direct contact information (name, phone number, & email address) for the Medical Director**



### Peer Reviewed Publications:

1. Chen AF, Khalouf F, Zora K, et al. Cooled radiofrequency ablation compared with a single injection of hyaluronic acid for chronic knee pain: a multicenter, randomized clinical trial demonstrating greater efficacy and equivalent safety for cooled radiofrequency ablation. *J Bone Joint Surg Am.* 2020a; 102(17):1501-1510.
2. Chen AF, Khalouf F, Zora K, et al. Cooled radiofrequency ablation provides extended clinical utility in the management of knee osteoarthritis: 12-month results from a prospective, multi-center, randomized, cross-over trial comparing cooled radiofrequency ablation to a single hyaluronic acid injection. *BMC Musculoskelet Disord.* Jun 09 2020b; 21(1): 363.
3. Chen AF, Mullen K, Casambre F, et al. Thermal nerve radiofrequency ablation for the nonsurgical treatment of knee osteoarthritis: a systematic literature review. *J Am Acad Orthop Surg.* 2021; 29(9):387-396.
4. Choi WJ, Hwang SJ, Song JG, et al. Radiofrequency treatment relieves chronic knee osteoarthritis pain: a double-blind randomized controlled trial. *Pain.* 2011; 152(3):481-487.
5. Davis T, Loudermilk E, DePalma M et al. Prospective, multicenter, randomized, crossover clinical trial comparing the safety and effectiveness of cooled radiofrequency ablation with corticosteroid injection in the management of knee pain from osteoarthritis. *Reg Anesth Pain Med.* 2018; 43(1):84-91.

---

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 eligibility for coverage. The member's contract benefits in effect on the date that services are rendered must be used. Medical Policy, which addresses medical efficacy, should be considered before utilizing medical opinion in adjudication. Medical technology is constantly evolving, and we reserve the right to review and update Medical Policy periodically.

No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, or otherwise, without permission from the health plan.

© CPT Only – American Medical Association

The requirements below are specific to the Florida Medicaid Managed Care Plan and are not a part of the Medical Policy or Clinical UM guideline approved by Elevance Health's Medical Policy and Technology Assessment Committee.

**If the Florida Medicaid Managed Care Plan intends to deny coverage on the basis that a diagnostic test, therapeutic procedure, or medical device or technology is experimental or investigational, the Managed Care Plan shall submit a request for coverage determination to the Agency in accordance with rule 59G-1.035, F.A.C and Core SMMC Contract, Attachment II, Section VI.G.4.d.**

**Below is a list of the materials the plans are required to submit when they deny coverage as experimental/investigational:**

- A. Include the CPT or HCPCS code(s)**
- B. Include a list of other state Medicaid agencies and private insurers who cover the service**
- C. Include information about the health service from the U.S. Food and Drug Administration**
- D. Include known risks of the service and health outcomes of others who have received it**
- E. Include a list of covered alternative services, if any, that could be used to treat the condition**
- F. Identify a specific recipient needing the service**
- G. Include the recipient's health history**
- H. Include the disease information necessitating the requested service**
- I. Include a rationale for the immediacy of the review**

### Additional required information

- A. Submit the rationale used to preliminarily indicate the service is experimental/investigational**
  - 1. Include peer-reviewed journal articles in PDF format with links to the online articles**
  - 2. Include evidence-based clinical guidelines reviewed by the plan**
- B. Submit direct contact information (name, phone number, & email address) for the Medical Director**

## Genicular Nerve Blocks and Ablation for Chronic Knee Pain

6. Davis T, Loudermilk E, DePalma M, et al. Twelve-month analgesia and rescue, by cooled radiofrequency ablation treatment of osteoarthritic knee pain: results from a prospective, multicenter, randomized, cross-over trial. *Reg Anesth Pain Med.* 2019; 44:499-506.
7. El-Hakeim EH, Elawamy A, Kamel EZ, et al. Fluoroscopic guided radiofrequency of genicular nerves for pain alleviation in chronic knee osteoarthritis: a single-blind randomized controlled trial. *Pain physician.* 2018; 21(2):169-177.
8. Elsaman AM, Maaty A, Hamed A. Genicular nerve block in rheumatoid arthritis: a randomized clinical trial. *Clinical rheumatology.* 2021; 40(11):4501-4509.
9. Ghai B, Kumar M, Makkar JK, Goni V. Comparison of ultrasound guided pulsed radiofrequency of genicular nerve with local anesthetic and steroid block for management of osteoarthritis knee pain. *The Korean journal of pain.* 2022; 35(2):183-190.
10. Güler T, Yurdakul FG, Önder ME, et al. Ultrasound-guided genicular nerve block versus physical therapy for chronic knee osteoarthritis: a prospective randomised study. *Rheumatology international.* 2022; 42(4):591-600.
11. Gupta A, Huettner DP, Dukewich M. Comparative effectiveness review of cooled versus pulsed radiofrequency ablation for the treatment of knee osteoarthritis: a systematic review. *Pain Physician.* 2017; 20(3):155-171.

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 eligibility for coverage. The member's contract benefits in effect on the date that services are rendered must be used. Medical Policy, which addresses medical efficacy, should be considered before utilizing medical opinion in adjudication. Medical technology is constantly evolving, and we reserve the right to review and update Medical Policy periodically.

No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, or otherwise, without permission from the health plan.

© CPT Only – American Medical Association

The requirements below are specific to the Florida Medicaid Managed Care Plan and are not a part of the Medical Policy or Clinical UM guideline approved by Elevance Health's Medical Policy and Technology Assessment Committee.

**If the Florida Medicaid Managed Care Plan intends to deny coverage on the basis that a diagnostic test, therapeutic procedure, or medical device or technology is experimental or investigational, the Managed Care Plan shall submit a request for coverage determination to the Agency in accordance with rule 59G-1.035, F.A.C and Core SMMC Contract, Attachment II, Section VI.G.4.d.**

**Below is a list of the materials the plans are required to submit when they deny coverage as experimental/investigational:**

- A. **Include the CPT or HCPCS code(s)**
- B. **Include a list of other state Medicaid agencies and private insurers who cover the service**
- C. **Include information about the health service from the U.S. Food and Drug Administration**
- D. **Include known risks of the service and health outcomes of others who have received it**
- E. **Include a list of covered alternative services, if any, that could be used to treat the condition**
- F. **Identify a specific recipient needing the service**
- G. **Include the recipient's health history**
- H. **Include the disease information necessitating the requested service**
- I. **Include a rationale for the immediacy of the review**

### **Additional required information**

- A. **Submit the rationale used to preliminarily indicate the service is experimental/investigational**
  1. **Include peer-reviewed journal articles in PDF format with links to the online articles**
  2. **Include evidence-based clinical guidelines reviewed by the plan**
- B. **Submit direct contact information (name, phone number, & email address) for the Medical Director**

## Genicular Nerve Blocks and Ablation for Chronic Knee Pain

---

12. Hong T, Wang H, Li G, et al. Systematic review and meta-analysis of 12 randomized controlled trials evaluating the efficacy of invasive radiofrequency treatment for knee pain and function. *BioMed research international*. 2019; 2019:9037510.
13. Hunter C, Davis T, Loudermilk E, et al. Cooled radiofrequency ablation treatment of the genicular nerves in the treatment of osteoarthritic knee pain: 18- and 24-month results. *Pain Pract*. 2020; 20(3):238-246.
14. Iannaccone F, Dixon S, Kaufman A. A review of long-term pain relief after genicular nerve radiofrequency ablation in chronic knee osteoarthritis. *Pain Physician*. 2017; 20(3):E437-E444.
15. Jamison DE, Cohen SP. Radiofrequency techniques to treat chronic knee pain: a comprehensive review of anatomy, effectiveness, treatment parameters, and patient selection. *Journal of pain research*. 2018; 11:1879-1888.
16. Kapural L, Lee N, Neal K, Burchell M. Long-term retrospective assessment of clinical efficacy of radiofrequency ablation of the knee using a cooled radiofrequency system. *Pain Physician*. 2019; 22(5):489-494.
17. Konya ZY, Akin Takmaz S, Başar H, et al. Results of genicular nerve ablation by radiofrequency in osteoarthritis-related chronic refractory knee pain. *Turk J Med Sci*. 2020; 50(1):86-95.

---

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 eligibility for coverage. The member's contract benefits in effect on the date that services are rendered must be used. Medical Policy, which addresses medical efficacy, should be considered before utilizing medical opinion in adjudication. Medical technology is constantly evolving, and we reserve the right to review and update Medical Policy periodically.

No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, or otherwise, without permission from the health plan.

© CPT Only – American Medical Association

The requirements below are specific to the Florida Medicaid Managed Care Plan and are not a part of the Medical Policy or Clinical UM guideline approved by Elevance Health's Medical Policy and Technology Assessment Committee.

**If the Florida Medicaid Managed Care Plan intends to deny coverage on the basis that a diagnostic test, therapeutic procedure, or medical device or technology is experimental or investigational, the Managed Care Plan shall submit a request for coverage determination to the Agency in accordance with rule 59G-1.035, F.A.C and Core SMMC Contract, Attachment II, Section VI.G.4.d.**

**Below is a list of the materials the plans are required to submit when they deny coverage as experimental/investigational:**

- A. **Include the CPT or HCPCS code(s)**
- B. **Include a list of other state Medicaid agencies and private insurers who cover the service**
- C. **Include information about the health service from the U.S. Food and Drug Administration**
- D. **Include known risks of the service and health outcomes of others who have received it**
- E. **Include a list of covered alternative services, if any, that could be used to treat the condition**
- F. **Identify a specific recipient needing the service**
- G. **Include the recipient's health history**
- H. **Include the disease information necessitating the requested service**
- I. **Include a rationale for the immediacy of the review**

### **Additional required information**

- A. **Submit the rationale used to preliminarily indicate the service is experimental/investigational**
  1. **Include peer-reviewed journal articles in PDF format with links to the online articles**
  2. **Include evidence-based clinical guidelines reviewed by the plan**
- B. **Submit direct contact information (name, phone number, & email address) for the Medical Director**

## Genicular Nerve Blocks and Ablation for Chronic Knee Pain

18. Liu J, Wang T, Zhu ZH. Efficacy and safety of radiofrequency treatment for improving knee pain and function in knee osteoarthritis: a meta-analysis of randomized controlled trials. *Journal of orthopaedic surgery and research.* 2022; 17(1):21.
19. Lyman J, Khalouf F, Zora K, et al. Cooled radiofrequency ablation of genicular nerves provides 24-Month durability in the management of osteoarthritic knee pain: outcomes from a prospective, multicenter, randomized trial. *Pain practice : the official journal of World Institute of Pain.* 2022; 22(6):571-581.
20. McCormick ZL, Korn M, Reddy R, et al. Cooled radiofrequency ablation of the genicular nerves for chronic pain due to knee osteoarthritis: six-month outcomes. *Pain Med.* 2017; 18(9):1631-1641.
21. Qudsi-Sinclair S, Borrás-Rubio E, Abellan-Guillén JF, et al. A comparison of genicular nerve treatment using either radiofrequency or analgesic block with corticosteroid for pain after a total knee arthroplasty: a double-blind, randomized clinical study. *Pain Pract.* 2017; 17(5):578-588.
22. Santana Pineda MM, Vanlinthout LE, Moreno Martín A, et al. Analgesic effect and functional improvement caused by radiofrequency treatment of genicular nerves in patients with advanced osteoarthritis of the knee until 1 year following treatment. *Reg Anesth Pain Med.* 2017; 42(1):62-68.
23. Tan YL, Neo EJR, Wee TC. Ultrasound-guided genicular nerve blockade with pharmacological agents for chronic knee osteoarthritis: a systematic review. *Pain physician.* 2022; 25(4):E489-E502.

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 eligibility for coverage. The member's contract benefits in effect on the date that services are rendered must be used. Medical Policy, which addresses medical efficacy, should be considered before utilizing medical opinion in adjudication. Medical technology is constantly evolving, and we reserve the right to review and update Medical Policy periodically.

No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, or otherwise, without permission from the health plan.

© CPT Only – American Medical Association

The requirements below are specific to the Florida Medicaid Managed Care Plan and are not a part of the Medical Policy or Clinical UM guideline approved by Elevance Health's Medical Policy and Technology Assessment Committee.

**If the Florida Medicaid Managed Care Plan intends to deny coverage on the basis that a diagnostic test, therapeutic procedure, or medical device or technology is experimental or investigational, the Managed Care Plan shall submit a request for coverage determination to the Agency in accordance with rule 59G-1.035, F.A.C and Core SMMC Contract, Attachment II, Section VI.G.4.d.**

**Below is a list of the materials the plans are required to submit when they deny coverage as experimental/investigational:**

- A. **Include the CPT or HCPCS code(s)**
- B. **Include a list of other state Medicaid agencies and private insurers who cover the service**
- C. **Include information about the health service from the U.S. Food and Drug Administration**
- D. **Include known risks of the service and health outcomes of others who have received it**
- E. **Include a list of covered alternative services, if any, that could be used to treat the condition**
- F. **Identify a specific recipient needing the service**
- G. **Include the recipient's health history**
- H. **Include the disease information necessitating the requested service**
- I. **Include a rationale for the immediacy of the review**

### **Additional required information**

- A. **Submit the rationale used to preliminarily indicate the service is experimental/investigational**
  1. **Include peer-reviewed journal articles in PDF format with links to the online articles**
  2. **Include evidence-based clinical guidelines reviewed by the plan**
- B. **Submit direct contact information (name, phone number, & email address) for the Medical Director**

24. Yilmaz V, Umay E, Gundogdu I, Aras B. The comparison of efficacy of single intraarticular steroid injection versus the combination of genicular nerve block and intraarticular steroid injection in patients with knee osteoarthritis: a randomised study. *Musculoskelet Surg.* 2021; 105(1):89-96.

### Websites for Additional Information

1. American Academy of Orthopaedic Surgeons. Osteoarthritis. Available at: <http://orthoinfo.aaos.org/topic.cfm?topic=a00227>. Accessed on September 28, 2022.
2. American College of Rheumatology. Osteoarthritis. Available at: <http://www.rheumatology.org/I-Am-A/Patient-Caregiver/Diseases-Conditions/Osteoarthritis>. Accessed on September 28, 2022.
3. Centers for Disease Control. Osteoarthritis. Available at: <http://www.CDC.gov/arthritis/osteoarthritis.htm>. Accessed on September 28, 2022.

### Index

Genicular nerve block  
Osteoarthritis

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 eligibility for coverage. The member's contract benefits in effect on the date that services are rendered must be used. Medical Policy, which addresses medical efficacy, should be considered before utilizing medical opinion in adjudication. Medical technology is constantly evolving, and we reserve the right to review and update Medical Policy periodically.

No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, or otherwise, without permission from the health plan.

© CPT Only – American Medical Association

The requirements below are specific to the Florida Medicaid Managed Care Plan and are not a part of the Medical Policy or Clinical UM guideline approved by Elevance Health's Medical Policy and Technology Assessment Committee.

**If the Florida Medicaid Managed Care Plan intends to deny coverage on the basis that a diagnostic test, therapeutic procedure, or medical device or technology is experimental or investigational, the Managed Care Plan shall submit a request for coverage determination to the Agency in accordance with rule 59G-1.035, F.A.C and Core SMMC Contract, Attachment II, Section VI.G.4.d.**

**Below is a list of the materials the plans are required to submit when they deny coverage as experimental/investigational:**

- A. Include the CPT or HCPCS code(s)**
- B. Include a list of other state Medicaid agencies and private insurers who cover the service**
- C. Include information about the health service from the U.S. Food and Drug Administration**
- D. Include known risks of the service and health outcomes of others who have received it**
- E. Include a list of covered alternative services, if any, that could be used to treat the condition**
- F. Identify a specific recipient needing the service**
- G. Include the recipient's health history**
- H. Include the disease information necessitating the requested service**
- I. Include a rationale for the immediacy of the review**

### Additional required information

- A. Submit the rationale used to preliminarily indicate the service is experimental/investigational**
  - 1. Include peer-reviewed journal articles in PDF format with links to the online articles**
  - 2. Include evidence-based clinical guidelines reviewed by the plan**
- B. Submit direct contact information (name, phone number, & email address) for the Medical Director**

# Medical Policy

SURG.00142

## Genicular Nerve Blocks and Ablation for Chronic Knee Pain

Radiofrequency ablation

### Document History

Status	Date	Action
Reviewed	11/10/2022	Medical Policy & Technology Assessment Committee (MPTAC) review. Updated Rationale, Definitions, References, and Index sections.
Reviewed	11/11/2021	MPTAC review. Updated Rationale and References sections.
Reviewed	11/05/2020	MPTAC review. Updated Rationale and References sections.
	10/01/2020	Updated Coding section with 10/01/2020 ICD-10-CM changes; added M92.501-M92.529 replacing M92.50-M92.52 deleted 09/30/2020.
	07/01/2020	Added cross reference to SURG.00155 Cryoneurolysis for Treatment of Peripheral Nerve Pain.
Reviewed	11/07/2019	MPTAC review. Updated Rationale and References sections. Updated Coding section with 01/01/2020 CPT changes; added 64454, 64624 replacing 64450, 64640.
	04/24/2019	Updated Description/Scope section.

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 eligibility for coverage. The member's contract benefits in effect on the date that services are rendered must be used. Medical Policy, which addresses medical efficacy, should be considered before utilizing medical opinion in adjudication. Medical technology is constantly evolving, and we reserve the right to review and update Medical Policy periodically.

No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, or otherwise, without permission from the health plan.

© CPT Only – American Medical Association

The requirements below are specific to the Florida Medicaid Managed Care Plan and are not a part of the Medical Policy or Clinical UM guideline approved by Elevance Health's Medical Policy and Technology Assessment Committee.

**If the Florida Medicaid Managed Care Plan intends to deny coverage on the basis that a diagnostic test, therapeutic procedure, or medical device or technology is experimental or investigational, the Managed Care Plan shall submit a request for coverage determination to the Agency in accordance with rule 59G-1.035, F.A.C and Core SMMC Contract, Attachment II, Section VI.G.4.d.**

**Below is a list of the materials the plans are required to submit when they deny coverage as experimental/investigational:**

- A. Include the CPT or HCPCS code(s)
- B. Include a list of other state Medicaid agencies and private insurers who cover the service
- C. Include information about the health service from the U.S. Food and Drug Administration
- D. Include known risks of the service and health outcomes of others who have received it
- E. Include a list of covered alternative services, if any, that could be used to treat the condition
- F. Identify a specific recipient needing the service
- G. Include the recipient's health history
- H. Include the disease information necessitating the requested service
- I. Include a rationale for the immediacy of the review

#### Additional required information

- A. Submit the rationale used to preliminarily indicate the service is experimental/investigational
  1. Include peer-reviewed journal articles in PDF format with links to the online articles
  2. Include evidence-based clinical guidelines reviewed by the plan
- B. Submit direct contact information (name, phone number, & email address) for the Medical Director

# Medical Policy

SURG.00142

## Genicular Nerve Blocks and Ablation for Chronic Knee Pain

---

Reviewed	11/08/2018	MPTAC review. Updated Rationale and References sections.
Reviewed	02/27/2018	MPTAC review. The document header wording updated from “Current Effective Date” to “Publish Date.” Updated Rationale and References sections.
Reviewed	02/02/2017	MPTAC review. Updated Rationale and References sections.
New	02/04/2016	MPTAC review. Initial document development.

---

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 eligibility for coverage. The member’s contract benefits in effect on the date that services are rendered must be used. Medical Policy, which addresses medical efficacy, should be considered before utilizing medical opinion in adjudication. Medical technology is constantly evolving, and we reserve the right to review and update Medical Policy periodically.

No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, or otherwise, without permission from the health plan.

© CPT Only – American Medical Association

The requirements below are specific to the Florida Medicaid Managed Care Plan and are not a part of the Medical Policy or Clinical UM guideline approved by Elevance Health’s Medical Policy and Technology Assessment Committee.

**If the Florida Medicaid Managed Care Plan intends to deny coverage on the basis that a diagnostic test, therapeutic procedure, or medical device or technology is experimental or investigational, the Managed Care Plan shall submit a request for coverage determination to the Agency in accordance with rule 59G-1.035, F.A.C and Core SMMC Contract, Attachment II, Section VI.G.4.d.**

**Below is a list of the materials the plans are required to submit when they deny coverage as experimental/investigational:**

- A. Include the CPT or HCPCS code(s)**
- B. Include a list of other state Medicaid agencies and private insurers who cover the service**
- C. Include information about the health service from the U.S. Food and Drug Administration**
- D. Include known risks of the service and health outcomes of others who have received it**
- E. Include a list of covered alternative services, if any, that could be used to treat the condition**
- F. Identify a specific recipient needing the service**
- G. Include the recipient’s health history**
- H. Include the disease information necessitating the requested service**
- I. Include a rationale for the immediacy of the review**

### **Additional required information**

- A. Submit the rationale used to preliminarily indicate the service is experimental/investigational**
  - 1. Include peer-reviewed journal articles in PDF format with links to the online articles**
  - 2. Include evidence-based clinical guidelines reviewed by the plan**
- B. Submit direct contact information (name, phone number, & email address) for the Medical Director**