

# MECHANICAL THROMBECTOMY AND THROMBOLYSIS CODING GUIDE

Effective January 1, 2025



# MECHANICAL THROMBECTOMY AND THROMBOLYSIS

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## INTRODUCTION

This content is intended to provide reference material related to general guidelines for reimbursement when used consistently with the product's labeling. This content includes information regarding coverage, coding and reimbursement. Additional resources can be found at: [www.cardiovascular.abbott/us/en/hcp/reimbursement.html](http://www.cardiovascular.abbott/us/en/hcp/reimbursement.html)

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# HOSPITAL INPATIENT

FY 2025 Inpatient Prospective Payment System (IPPS) reimbursement is effective for inpatient services on October 1, 2024. This is not an all-inclusive list of possible MS-DRGs. MS-DRG assignment is based on many factors including documented patient conditions, as well as services rendered during an inpatient admission.

## ARTERIAL OR VENOUS PERCUTANEOUS MECHANICAL THROMBECTOMY

Medicare reimbursement for a hospital inpatient admission with percutaneous mechanical thrombectomy of the lower limbs is assigned to MS-DRGs 270, 271, and 272.

| POSSIBLE MS-DRG | DESCRIPTION   | MEDICARE REIMBURSEMENT |
|-----------------|---|------------------------|
| 270             | Other Major Cardiovascular Procedures with MCC          | \$36,632               |
| 271             | Other Major Cardiovascular Procedures with CC           | \$24,581               |
| 272             | Other Major Cardiovascular Procedures without CC or MCC | \$17,857               |

## DIALYSIS CIRCUIT PERCUTANEOUS MECHANICAL THROMBECTOMY

Medicare reimbursement for a hospital inpatient admission with percutaneous mechanical thrombectomy of the dialysis circuit is assigned to MS-DRGs 252, 253, and 254.

| POSSIBLE MS-DRG | DESCRIPTION                                 | MEDICARE REIMBURSEMENT |
|-----------------|---|------------------------|
| 252             | Other Vascular Procedures with MCC          | \$24,481               |
| 253             | Other Vascular Procedures with CC           | \$18,220               |
| 254             | Other Vascular Procedures without CC or MCC | \$12,485               |

## ARTERIAL AND VENOUS THROMBOLYSIS

Medicare reimbursement for hospital inpatient admission with thrombolysis treatment is assigned to MS-DRGs 299, 300, and 301.

| POSSIBLE MS-DRG | DESCRIPTION                                     | MEDICARE REIMBURSEMENT |
|-----------------|---|------------------------|
| 299             | Peripheral Vascular Disorders with MCC          | \$11,544               |
| 300             | Peripheral Vascular Disorders with CC           | \$7,640                |
| 301             | Peripheral Vascular Disorders without CC or MCC | \$5,091                |



HOSPITAL OUTPATIENT

PERCUTANEOUS MECHANICAL THROMBECTOMY

CY 2025 Outpatient Prospective Payment System (OPPS) reimbursement is effective for outpatient services on January 1, 2025. CPT<sup>+</sup> codes 37184-37188 include intraprocedural fluoroscopic radiological supervision and interpretation services for guidance of the procedure and intraprocedural injection(s) of a thrombolytic agent. Subsequent or prior continuous infusion of a thrombolytic is not an included service and is separately reportable (see CPT<sup>+</sup> codes 37211-37214).

PRIMARY AND SECONDARY MECHANICAL THROMBECTOMY

Arterial mechanical thrombectomy (CPT codes 37184 and +37185) is considered "primary" when the focus of the procedure is the removal of thrombus. Typically, diagnosis of thrombus has been made prior to the procedure, mechanical thrombectomy is planned preoperatively.

Arterial mechanical thrombectomy (CPT code +37186) is considered "secondary" for removal of short segments of thrombus or embolus.

| CPT <sup>+</sup> CODE            | DESCRIPTION   | C-APC     | MEDICARE REIMBURSEMENT |
|----------------------------------|---|-----------|------------------------|
| ARTERIAL MECHANICAL THROMBECTOMY |   |           |                        |
| 37184                            | Primary percutaneous transluminal mechanical thrombectomy, noncoronary, non-intracranial, arterial or arterial bypass graft, including fluoroscopic guidance and intraprocedural pharmacological thrombolytic injection(s); initial vessel  | 5194      | \$17,957               |
| +37185                           | Primary percutaneous transluminal mechanical thrombectomy, noncoronary, non-intracranial, arterial or arterial bypass graft, including fluoroscopic guidance and intraprocedural pharmacological thrombolytic injection(s); second and all subsequent vessel(s) within the same vascular family (List separately in addition to code for primary mechanical thrombectomy procedure)   | Packaged* | No separate payment    |
| +37186                           | Secondary percutaneous transluminal thrombectomy (eg, nonprimary mechanical, snare basket, suction technique), noncoronary, non-intracranial, arterial or arterial bypass graft, including fluoroscopic guidance and intraprocedural pharmacological thrombolytic injections, provided in conjunction with another percutaneous intervention other than primary mechanical thrombectomy (List separately in addition to code for primary procedure) | Packaged* | No separate payment    |
| VENOUS MECHANICAL THROMBECTOMY   |   |           |                        |
| 37187                            | Percutaneous transluminal mechanical thrombectomy, vein(s), including intraprocedural pharmacological thrombolytic injections and fluoroscopic guidance   | 5193      | \$11,341               |
| 37188                            | Percutaneous transluminal mechanical thrombectomy, vein(s), including intraprocedural pharmacological thrombolytic injections and fluoroscopic guidance, repeat treatment on subsequent day during course of thrombolytic therapy   | 5183      | \$3,148                |

\* Packaged services = no separate payment  
+ Indicates an add-on-code. List add-on-code(s) separately in addition to the primary procedure performed.

Effective Dates: January 1, 2025 - December 31, 2025

HOSPITAL OUTPATIENT

PERCUTANEOUS MECHANICAL THROMBECTOMY

CY 2025 Outpatient Prospective Payment System (OPPS) reimbursement is effective for outpatient services on January 1, 2025. CPT<sup>®</sup> codes 36904-36906 include intraprocedural fluoroscopic radiological supervision and interpretation services for guidance of the procedure and intraprocedural injection(s) of a thrombolytic agent.

| CPT <sup>®</sup> CODE         | DESCRIPTION  | C-APC | MEDICARE REIMBURSEMENT |
|-------------------------------|--|-------|------------------------|
| DIALYSIS CIRCUIT THROMBECTOMY |  |       |                        |
| 36904                         | Percutaneous transluminal mechanical thrombectomy and/or infusion for thrombolysis, dialysis circuit, any method, including all imaging and radiological supervision and interpretation, diagnostic angiography, fluoroscopic guidance, catheter placement(s), and intraprocedural pharmacological thrombolytic injection(s)   | 5192  | \$5,702                |
| 36905                         | Percutaneous transluminal mechanical thrombectomy and/or infusion for thrombolysis, dialysis circuit, any method, including all imaging and radiological supervision and interpretation, diagnostic angiography, fluoroscopic guidance, catheter placement(s), and intraprocedural pharmacological thrombolytic injection(s); with transluminal balloon angioplasty, peripheral dialysis segment, including all imaging and radiological supervision and interpretation necessary to perform the angioplasty   | 5193  | \$11,341               |
| 36906                         | Percutaneous transluminal mechanical thrombectomy and/or infusion for thrombolysis, dialysis circuit, any method, including all imaging and radiological supervision and interpretation, diagnostic angiography, fluoroscopic guidance, catheter placement(s), and intraprocedural pharmacological thrombolytic injection(s); with transcatheter placement of intravascular stent(s), peripheral dialysis segment, including all imaging and radiological supervision and interpretation necessary to perform the stenting, and all angioplasty within the peripheral dialysis circuit | 5194  | \$17,957               |



# HOSPITAL OUTPATIENT

## ARTERIAL AND VENOUS THROMBOLYSIS

CY 2025 Outpatient Prospective Payment System (OPPS) reimbursement is effective for outpatient services on January 1, 2025

| CPT+ CODE | DESCRIPTION  | C-APC | MEDICARE REIMBURSEMENT |
|-----------|--|-------|------------------------|
| 37211     | Transcatheter therapy, arterial infusion for thrombolysis other than coronary or intracranial, any method, including radiological supervision and interpretation, initial treatment day  | 5184  | \$5,406                |
| 37212     | Transcatheter therapy, venous infusion for thrombolysis, any method, including radiological supervision and interpretation, initial treatment day  | 5183  | \$3,148                |
| 37213     | Transcatheter therapy, arterial or venous infusion for thrombolysis other than coronary, any method, including radiological supervision and interpretation, continued treatment on subsequent day during course of thrombolytic therapy, including follow-up catheter contrast injection, position change, or exchange, when performed   | 5183  | \$3,148                |
| 37214     | Transcatheter therapy, arterial or venous infusion for thrombolysis other than coronary, any method, including radiological supervision and interpretation, continued treatment on subsequent day during course of thrombolytic therapy, including follow-up catheter contrast injection, position change, or exchange, when performed; cessation of thrombolysis including removal of catheter and vessel closure by any method | 5183  | \$3,148                |

AMBULATORY SURGERY CENTER

PERCUTANEOUS MECHANICAL THROMBECTOMY

CY 2025 Ambulatory Surgery Center (ASC) reimbursement is effective for ASC services on January 1, 2025 CPT<sup>+</sup> codes 37184-37188 include intraprocedural fluoroscopic radiological supervision and interpretation services for guidance of the procedure and intraprocedural injection(s) of a thrombolytic agent. Subsequent or prior continuous infusion of a thrombolytic is not an included service and is separately reportable (see CPT<sup>+</sup> codes 37211-37214).

| CPT <sup>+</sup> CODE            | DESCRIPTION   | MEDICARE REIMBURSEMENT |
|----------------------------------|---|------------------------|
| ARTERIAL MECHANICAL THROMBECTOMY |   |                        |
| 37184                            | Primary percutaneous transluminal mechanical thrombectomy, noncoronary, non-intracranial, arterial or arterial bypass graft, including fluoroscopic guidance and intraprocedural pharmacological thrombolytic injection(s); initial vessel  | \$11,943               |
| +37185                           | Primary percutaneous transluminal mechanical thrombectomy, noncoronary, non-intracranial, arterial or arterial bypass graft, including fluoroscopic guidance and intraprocedural pharmacological thrombolytic injection(s); second and all subsequent vessel(s) within the same vascular family (List separately in addition to code for primary mechanical thrombectomy procedure)   | Packaged*              |
| +37186                           | Secondary percutaneous transluminal thrombectomy (e.g., nonprimary mechanical, snare basket, suction technique), noncoronary, non-intracranial, arterial or arterial bypass graft, including fluoroscopic guidance and intraprocedural pharmacological thrombolytic injections, provided in conjunction with another percutaneous intervention other than primary mechanical thrombectomy (List separately in addition to code for primary procedure) | Packaged*              |
| VENOUS MECHANICAL THROMBECTOMY   |   |                        |
| 37187                            | Percutaneous transluminal mechanical thrombectomy, vein(s), including intraprocedural pharmacological thrombolytic injections and fluoroscopic guidance   | \$7,800                |
| 37188                            | Percutaneous transluminal mechanical thrombectomy, vein(s), including intraprocedural pharmacological thrombolytic injections and fluoroscopic guidance, repeat treatment on subsequent day during course of thrombolytic therapy   | \$2,666                |

\* Packaged services = no separate payment  
+ Indicates an add-on-code. List add-on-code(s) separately in addition to the primary procedure performed.

AMBULATORY SURGERY CENTER

PERCUTANEOUS MECHANICAL THROMBECTOMY

CY 2025 Ambulatory Surgery Center (ASC) reimbursement is effective for ASC services on January 1, 2025 CPT<sup>®</sup> codes 36904-36906 include intraprocedural fluoroscopic radiological supervision and interpretation services for guidance of the procedure and intraprocedural injection(s) of a thrombolytic agent.

| CPT <sup>®</sup> CODE         | DESCRIPTION  | MEDICARE REIMBURSEMENT |
|-------------------------------|--|------------------------|
| DIALYSIS CIRCUIT THROMBECTOMY |  |                        |
| 36904                         | Percutaneous transluminal mechanical thrombectomy and/or infusion for thrombolysis, dialysis circuit, any method, including all imaging and radiological supervision and interpretation, diagnostic angiography, fluoroscopic guidance, catheter placement(s), and intraprocedural pharmacological thrombolytic injection(s)   | \$3,516                |
| 36905                         | Percutaneous transluminal mechanical thrombectomy and/or infusion for thrombolysis, dialysis circuit, any method, including all imaging and radiological supervision and interpretation, diagnostic angiography, fluoroscopic guidance, catheter placement(s), and intraprocedural pharmacological thrombolytic injection(s); with transluminal balloon angioplasty, peripheral dialysis segment, including all imaging and radiological supervision and interpretation necessary to perform the angioplasty   | \$6,491                |
| 36906                         | Percutaneous transluminal mechanical thrombectomy and/or infusion for thrombolysis, dialysis circuit, any method, including all imaging and radiological supervision and interpretation, diagnostic angiography, fluoroscopic guidance, catheter placement(s), and intraprocedural pharmacological thrombolytic injection(s); with transcatheter placement of intravascular stent(s), peripheral dialysis segment, including all imaging and radiological supervision and interpretation necessary to perform the stenting, and all angioplasty within the peripheral dialysis circuit | \$11,783               |



# AMBULATORY SURGERY CENTER

## ARTERIAL AND VENOUS THROMBOLYSIS

CY 2025 Ambulatory Surgery Center (ASC) reimbursement is effective for ASC services on January 1, 2025.

| CPT#<br>CODE | DESCRIPTION  | MEDICARE<br>REIMBURSEMENT |
|--------------|--|---------------------------|
| 37211        | Transcatheter therapy, arterial infusion for thrombolysis other than coronary or intracranial, any method, including radiological supervision and interpretation, initial treatment day  | \$3,987                   |
| 37212        | Transcatheter therapy, venous infusion for thrombolysis, any method, including radiological supervision and interpretation, initial treatment day  | \$1,589                   |
| 37213        | Transcatheter therapy, arterial or venous infusion for thrombolysis other than coronary, any method, including radiological supervision and interpretation, continued treatment on subsequent day during course of thrombolytic therapy, including follow-up catheter contrast injection, position change, or exchange, when performed   | N/A                       |
| 37214        | Transcatheter therapy, arterial or venous infusion for thrombolysis other than coronary, any method, including radiological supervision and interpretation, continued treatment on subsequent day during course of thrombolytic therapy, including follow-up catheter contrast injection, position change, or exchange, when performed; cessation of thrombolysis including removal of catheter and vessel closure by any method | N/A                       |

N/A - There is no established Medicare reimbursement in this setting.

PHYSICIAN

PERCUTANEOUS MECHANICAL THROMBECTOMY

CY 2025 Physician Fee Schedule reimbursement is effective for physician services on January 1, 2025. CPT<sup>®</sup> codes 37184-37188 include intraprocedural fluoroscopic radiological supervision and interpretation services for guidance of the procedure and intraprocedural injection(s) of a thrombolytic agent. Subsequent or prior continuous infusion of a thrombolytic is not an included service and is separately reportable (see CPT<sup>®</sup> codes 37211-37214).

| CPT <sup>‡</sup><br>CODE         |   | DESCRIPTION | MEDICARE REIMBURSEMENT |              |
|----------------------------------|---|-------------|------------------------|--------------|
|                                  |   |             | FACILITY               | NON-FACILITY |
| ARTERIAL MECHANICAL THROMBECTOMY |   |             |                        |              |
| 37184                            | Primary percutaneous transluminal mechanical thrombectomy, noncoronary, non-intracranial, arterial or arterial bypass graft, including fluoroscopic guidance and intraprocedural pharmacological thrombolytic injection(s); initial vessel  |             | \$408                  | \$1,577      |
| +37185                           | Primary percutaneous transluminal mechanical thrombectomy, noncoronary, non-intracranial, arterial or arterial bypass graft, including fluoroscopic guidance and intraprocedural pharmacological thrombolytic injection(s); second and all subsequent vessel(s) within the same vascular family (List separately in addition to code for primary mechanical thrombectomy procedure)   |             | \$154                  | \$441        |
| +37186                           | Secondary percutaneous transluminal thrombectomy (e.g., nonprimary mechanical, snare basket, suction technique), noncoronary, non-intracranial, arterial or arterial bypass graft, including fluoroscopic guidance and intraprocedural pharmacological thrombolytic injections, provided in conjunction with another percutaneous intervention other than primary mechanical thrombectomy (List separately in addition to code for primary procedure) |             | \$232                  | \$1,095      |
| VENOUS MECHANICAL THROMBECTOMY   |   |             |                        |              |
| 37187                            | Percutaneous transluminal mechanical thrombectomy, vein(s), including intraprocedural pharmacological thrombolytic injections and fluoroscopic guidance   |             | \$373                  | \$1,549      |
| 37188                            | Percutaneous transluminal mechanical thrombectomy, vein(s), including intraprocedural pharmacological thrombolytic injections and fluoroscopic guidance, repeat treatment on subsequent day during course of thrombolytic therapy   |             | \$268                  | \$1,330      |

+ Indicates an add-on-code. List add-on-code(s) separately in addition to the primary procedure performed.

Effective Dates: January 1, 2025- December 31, 2025



PHYSICIAN

PERCUTANEOUS MECHANICAL THROMBECTOMY

CY 2025 Physician Fee Schedule reimbursement is effective for physician services on January 1, 2025. CPT<sup>®</sup> codes 36904-36906 include intraprocedural fluoroscopic radiological supervision and interpretation services for guidance of the procedure and intraprocedural injection(s) of a thrombolytic agent.

| CPT <sup>‡</sup><br>CODE      |  | DESCRIPTION | MEDICARE REIMBURSEMENT |              |
|-------------------------------|--|-------------|------------------------|--------------|
|                               |  |             | FACILITY               | NON-FACILITY |
| DIALYSIS CIRCUIT THROMBECTOMY |  |             |                        |              |
| 36904                         | Percutaneous transluminal mechanical thrombectomy and/or infusion for thrombolysis, dialysis circuit, any method, including all imaging and radiological supervision and interpretation, diagnostic angiography, fluoroscopic guidance, catheter placement(s), and intraprocedural pharmacological thrombolytic injection(s)   |             | \$348                  | \$1,667      |
| 36905                         | Percutaneous transluminal mechanical thrombectomy and/or infusion for thrombolysis, dialysis circuit, any method, including all imaging and radiological supervision and interpretation, diagnostic angiography, fluoroscopic guidance, catheter placement(s), and intraprocedural pharmacological thrombolytic injection(s); with transluminal balloon angioplasty, peripheral dialysis segment, including all imaging and radiological supervision and interpretation necessary to perform the angioplasty   |             | \$419                  | \$2,087      |
| 36906                         | Percutaneous transluminal mechanical thrombectomy and/or infusion for thrombolysis, dialysis circuit, any method, including all imaging and radiological supervision and interpretation, diagnostic angiography, fluoroscopic guidance, catheter placement(s), and intraprocedural pharmacological thrombolytic injection(s); with transcatheter placement of intravascular stent(s), peripheral dialysis segment, including all imaging and radiological supervision and interpretation necessary to perform the stenting, and all angioplasty within the peripheral dialysis circuit |             | \$482                  | \$4,905      |

PHYSICIAN

ARTERIAL AND VENOUS THROMBOLYSIS

CY 2025 Physician Fee Schedule reimbursement is effective for physician services on January 1, 2025.

| CPT#<br>CODE | DESCRIPTION  | MEDICARE REIMBURSEMENT |              |
|--------------|--|------------------------|--------------|
|              |  | FACILITY               | NON-FACILITY |
| 37211        | Transcatheter therapy, arterial infusion for thrombolysis other than coronary or intracranial, any method, including radiological supervision and interpretation, initial treatment day  | \$366                  | N/A          |
| 37212        | Transcatheter therapy, venous infusion for thrombolysis, any method, including radiological supervision and interpretation, initial treatment day  | \$320                  | N/A          |
| 37213        | Transcatheter therapy, arterial or venous infusion for thrombolysis other than coronary, any method, including radiological supervision and interpretation, continued treatment on subsequent day during course of thrombolytic therapy, including follow-up catheter contrast injection, position change, or exchange, when performed   | \$219                  | N/A          |
| 37214        | Transcatheter therapy, arterial or venous infusion for thrombolysis other than coronary, any method, including radiological supervision and interpretation, continued treatment on subsequent day during course of thrombolytic therapy, including follow-up catheter contrast injection, position change, or exchange, when performed; cessation of thrombolysis including removal of catheter and vessel closure by any method | \$116                  | N/A          |

N/A - There is no established Medicare reimbursement in this setting.



## References

1. CMS\_2025\_Hospital Inpatient Prospective Payment-Final Rule Home Page. CMS-1808-F. <https://www.cms.gov/medicare/payment/prospective-payment-systems/acute-inpatient-pps/fy-2025-ipps-final-rule-home-page>
2. Hospital Outpatient Prospective Payment- Notice of Final Rulemaking with Comment Period (NFRM) CY2025. CMS 1809-FC. <https://www.cms.gov/medicare/payment/prospective-payment-systems/hospital-outpatient/regulations-notices/cms-1809-fc>
3. Ambulatory Surgical Center Payment- Notice of Final Rulemaking with Comment Period (NFRM) CY2025\_CMS-18096-FC. <https://www.cms.gov/medicare/payment/prospective-payment-systems/ambulatory-surgical-center-asc/asc-regulations-and/cms-1809-fc>
4. Revisions to Payment Policies under the Medicare Physician Fee Schedule, Quality Payment Program and Other Revisions to Part B for CY 2025. CMS-1807-F. <https://www.cms.gov/medicare/payment/fee-schedules/physician/federal-regulation-notices/cms-1807-f>
5. CPT<sup>‡</sup> Coding Guidelines. AMA. CPT<sup>‡</sup> 2024 Professional Edition. American Medical Association. 2024. <https://www.ama-assn.org/>

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