MEDICAL POLICY

POLICY TITLE	LOWER LIMB PROSTHESES
POLICY NUMBER	MP-6.042

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I. POLICY

Preparatory Prostheses

Preparatory lower limb prostheses may be considered **medically necessary** for a new or revised amputation when ALL of the following criteria are met:

- The preparatory prosthesis is provided after the surgical incision has healed; **and**
- The preparatory prosthesis is prescribed by an eligible professional provider (i.e., physician with training and expertise in the functional evaluation of individuals with amputations) and fitted/made by an orthotist or prosthetist.

L5500, L5505, L5510, L5520, L5530, L5535, L5540, L5560, L5570, L5580, L5585, L5590, L5595, L5600

Preparatory lower limb prostheses are complete and all-inclusive; consequently, further components, add-ons, upgrades, adjustments, modifications, or substitutions of components, etc., are considered **not medically necessary**.

Definitive Prostheses

Definitive- initial lower limb prostheses may be considered **medically necessary** when ALL of the following criteria are met:

- The definitive prosthesis is provided to an individual whose surgical incision is stable (healed) and will be participating in a rehabilitation program appropriate for the individual's expected functional level is one (1) to four (4); **and**
- The individual has had an in-person medical evaluation with the ordering physician to establish their overall functional capabilities

L5050, L5060, L5100, L5105, L5150, L5160, L5210, L5220, L5230, L5250, L5270, L5280, L5301, L5312, L5321, L5331, L5341

All other uses of definitive prostheses not described above will be denied as **not medically necessary** as there is insufficient evidence to support a conclusion supporting the health outcomes or benefits associated with this item.

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Microprocessor System

A microprocessor-controlled knee may be considered **medically necessary** in amputees who meet the following requirements:

- There is a demonstrated need for long distance ambulation at variable rates (use of the limb in the home or for basic community ambulation is not sufficient to justify provision of the computerized limb over standard limb applications) OR demonstrated patient need for regular ambulation on uneven terrain or for regular use on stairs (use of the limb for limited stair climbing in the home or employment environment is not sufficient evidence for prescription of this device over standard prosthetic application); **and**
- The physical and cognitive ability, as well as including adequate cardiovascular and pulmonary reserve, for ambulation at faster than normal walking speed; **and**
- Individual's functional level is three (3) or above; **and**
- The patient's medical record must provide clear documentation of the patient's history, current condition, and expected functional ability to support the need for the technologic or design feature of the microprocessor-controlled knee (This information must be retained in the physician's or prosthetist's files, and be available upon request.).

L2006, L5828, L5845, L5848, L5856, L5857, L5858, L5859, L5920, L5930, L5950, L5976, L5979, L5980, L5981, L5987

A microprocessor-controlled knee which does not meet the criteria described above will be denied as **not medically necessary** as there is insufficient evidence to support a conclusion supporting the health outcomes or benefits associated with this item.

Feet and Ankles

One (1) foot/ankle prosthetic may be considered **medically necessary** when a definitive prosthesis meets the above criteria, and the foot/ankle is appropriate for the individual's functional level as indicated below:

- A partial foot prosthesis may be considered medically necessary for individuals whose functional level is one (1) or above.

L5000, L5010, L5020

- An external-keel solid ankle cushion heel (SACH) foot or single-axis ankle/foot may be considered medically necessary for individuals whose functional level is one (1) or above.

L5970, L5974

- A flexible-keel foot or multi-axial ankle/foot may be considered medically necessary for individuals whose functional level is two (2) or above.

L5972, L5978, L5982, L5984, L5986

- An energy-storing foot, dynamic response with multi-axial ankle, flex-foot system, flex-walk system or equal, or shank system with vertical loading pylon may be considered medically necessary for individuals whose functional level is three (3) or above. (Also part of a microprocessor- controlled prosthesis)

L5976

A foot and ankle prosthesis which does not meet the criteria described above will be denied as **not medically necessary** as there is insufficient evidence to support a conclusion supporting the health outcomes or benefits associated with this item.

Power-Assist Ankle-Foot Prosthetic Systems

Powered ankle or foot prostheses are considered **investigational** as there is insufficient evidence to support a conclusion supporting the health outcomes or benefits associated with this item.

L5969, L5973

A power-assist ankle-foot prosthetic system which does not meet the criteria described above will be denied as **not medically necessary** as there is insufficient evidence to support a conclusion supporting the health outcomes or benefits associated with this item.

Knees

Prosthetic knees may be considered **medically necessary**, when a definitive prosthesis meets the above criteria, and the type is based upon the functional needs of the individual as indicated below:

- A single axis constant friction knee and other basic knee systems may be considered medically necessary for individuals whose functional level is one (1) or above.

L5611, L5616, L5710, L5711, L5712, L5714, L5716, L5718, L5810, L5811, L5812, L5816, L5818

- A fluid, pneumatic or electronic knee may be considered medically necessary for individuals whose functional level is three (3) or above.

L5610, L5613, L5614, L5814, L5822, L5824, L5826, L5830, L5840

A knee prosthetic which does not meet the criteria described above will be denied as **not medically necessary** as there is insufficient evidence to support a conclusion supporting the health outcomes or benefits associated with this item.

Powered and Programmable Flexion/Extension Assist-Control Prosthetic Knees

Powered and programmable endoskeletal knee-shin system with flexion-extension assist (addition to lower extremity) may be considered medically necessary when ALL of the following criteria are met (Also part of a microprocessor- controlled prosthesis):

- The individual has a microprocessor (swing and stance phase type) controlled (electronic) knee; **and**
- Individual's functional level is three (3), as indicated by modifier K3 (the device is not intended for high impact activity, sports, excessive loading or heavy duty use); and
- Weight is between 110 lbs and 275 lbs; **and**
- Has a documented comorbidity of the spine and/or sound limb affecting hip extension and/or quadriceps function that impairs K-3 level function with the use of a microprocessor-controlled knee alone; **and**
- Is able to make use of a product that requires daily charging; **and**
- Is able to understand and respond to error alerts and alarms indicating problems with the function of the unit.

L5856, L5859

A powered and programmable endoskeletal knee-shin system with flexion-extension assist which does not meet the criteria described above will be denied as **not medically necessary** as there is insufficient evidence to support a conclusion supporting the health outcomes or benefits associated with this item.

Hips

A pneumatic or hydraulic polycentric hip joint may be considered **medically necessary** when a definitive prosthesis meets the above criteria, and for individuals whose functional level is three (3) or above.

L5961

A prosthetic hip is considered **not medically necessary** in individuals who do not meet these criteria as there is insufficient evidence to support a conclusion supporting the health outcomes or benefits associated with this item.

Sockets and Socket Inserts

One (1) socket per individual definitive prosthesis may be considered **medically necessary** when the prosthesis meets above criteria.

Two (2) test (diagnostic) sockets for an individual definitive prosthesis may be considered **medically necessary** when the prosthesis meets above criteria.

More than two (2) of the same socket inserts per individual prosthesis at the same time is considered **not medically necessary**.

One (1) custom fabricated socket insert may be considered **medically necessary** when the prosthesis meets the above criteria and the ALL of the following:

- Non-custom socket inserts are unable to provide an adequate interface between the residual limb and socket; **and**
- A different type of non-custom insert will not compensate for the irregular contours of the limb.

Socket replacements are **medically necessary** if there is adequate documentation of functional and/or physiological need. Some situations include but are not limited to: changes in the residual limb; functional need changes; or irreparable damage or wear/tear due to excessive beneficiary weight or prosthetic demands of very active amputees.

L5200, L5321, L5618, L5620, L5622, L5624, L5626, L5628, L5629, L5630, L5631, L5632, L5634, L5636, L5638, L5639, L5640, L5642, L5643, L5644, L5645, L5646, L5648, L5649, L5650, L5651, L5653, L5654, L5655, L5656, L5658, L5661, L5665, L5668, L5673, L5679, L5681, L5683, L5700, L5701, L5702, L5703, L5704

Prosthetic sockets and inserts which do not meet the criteria described above will be denied as **not medically necessary** as there is insufficient evidence to support a conclusion supporting the health outcomes or benefits associated with this item.

Suspension Systems

Mechanical

Mechanical suspension systems including, belts, sleeves, straps, socket design features, and pin-locking mechanisms may be considered **medically necessary** when the prosthesis meets the above criteria, and the individual's functional level is at least one (1).

L5666, L5670, L5671, L5672

Suction

Passive suction systems including, belts, sleeves, straps, socket design features, may be considered **medically necessary** when the prosthesis meets above criteria, and the individual's functional level is at least two (2).

L5647, L5652

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Vacuum Suspension System

Vacuum suspension systems (e.g., vacuum-assisted socket system [VASS™]) may be considered **medically necessary** to control residual limb volume when there is contraindication to or failure of other socket-suspension systems (e.g., mechanical, passive suction) to adequately secure the limb to the prosthesis; and the individual's functional level is at least a three (3).

L5781, L5782

A suspension system is considered **not medically necessary** in individuals who do not meet these criteria as there is insufficient evidence to support a conclusion supporting the health outcomes or benefits associated with this item.

Additions and Accessories

Accessories such as sheaths, joints, lacers, belts, covers, socks, etc. may be considered **medically necessary** when these appliances aid in or are essential to the effective use of the prosthetic limb. Additions should be billed on the same claim as the base procedure when supplied at the same time as the base procedure.

L5617, L5637, L5676, L5677, L5678, L5680, L5682, L5684, L5685, L5686, L5688, L5690, L5692, L5694, L5695, L5696, L5697, L5698, L5699, L5705, L5706, L5707, L5722, L5722, L5724, L5726, L5728, L5780, L5785, L5790, L5795, L5850, L5855, L5910, L5925, L5940, L5960, L5962, L5964, L5964, L5966, L5968, L5971, L5975, L5985, L5988, L5990, L7367, L7368, L7600, L7700, L8400, L8410, L8417, L8420, L8430, L8440, L8430, L8440, L8460, L8470, L8480

Adjustments

Adjustments and/or modifications to the prosthesis required by wear and tear or due to a change in individual's condition (such as growth in a child) or to improve the function are considered **medically necessary**.

Repairs

Repairs necessary to make the prosthetic functional are **medically necessary**. The expense for repairs may not exceed the estimated expense of purchasing another prosthesis.

L7510, L7520

Replacement

A replacement prosthesis including additions and accessories are medically necessary only if the previous prosthesis is no longer functional or there is documentation of irreparable damage. Requests for upgrades/ newer technology will be reviewed for medical necessity.

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Pediatric Lower Limb Prostheses

Pediatric lower limb prostheses may be considered **medically necessary** for congenital and acquired pediatric limb deficiencies.

A child is eligible for prosthetics when they are able to stand on their own (approximately 9-12 months of age).

Components must be evaluated for age-appropriateness, considering comfort, weight, durability, and function.

A new socket and other prosthetic modifications are necessary at least once a year for children between the ages of birth to 18 years to allow for normal growth and development.

Pediatric lower limb prostheses which does not meet the criteria described above will be denied as **not medically necessary** as there is insufficient evidence to support a conclusion supporting the health outcomes or benefits associated with this item.

Policy Guidelines

Functional Levels

Level 0 - Does not have the ability or potential to ambulate or transfer safely with or without assistance and a prosthesis does not enhance their quality of life or mobility

Level 1 - Has the ability or potential to use a prosthesis for transfers or ambulation on level surfaces at fixed cadence. Typical of the limited and unlimited household ambulator.

Level 2 - Has the ability or potential for ambulation with the ability to traverse low level environmental barriers such as curbs, stairs, or uneven surfaces. Typical of the limited community ambulator.

Level 3 - Has the ability or potential for ambulation with variable cadence. Typical of the community ambulator who has the ability to traverse most environmental barriers and may have vocational, therapeutic, or exercise activity that demands prosthetic utilization beyond simple locomotion.

Level 4 - Has the ability or potential for prosthetic ambulation that exceeds basic ambulation skills, exhibiting high impact, stress, or energy levels. Typical of the prosthetic demands of the child, active adult, or athlete.

PATIENT SELECTION AND IDENTIFICATION

Amputees should be evaluated by an independent qualified professional to determine the most appropriate prosthetic components and control mechanism. A trial period may be indicated to evaluate the tolerability and efficacy of the prosthesis in a real-life setting. Decisions about the potential benefits of microprocessor-knees involve multiple factors including activity levels, as well as the patient's physical and cognitive ability. A patient's need for daily ambulation of at least 400 continuous yards, daily and frequent ambulation at variable cadence or on uneven terrain (e.g., gravel, grass, curbs), and daily and frequent use of ramps and/or stairs (especially

stair descent) should be considered as part of the decision. Typically, daily and frequent need of two or more of these activities would be needed to show benefit.

For patients in whom the potential benefits of the microprocessor knees are uncertain, patients may first be fitted with a standard prosthesis to determine their level of function with the standard device.

The following are guidelines from the Veterans Health Administration Prosthetic Clinical Management Program Clinical Practice Recommendations for Microprocessor Knees (Berry, 2000).

A. Contraindications for use of the microprocessor knee should include the following:

- Any condition that prevents socket fitting, such as a complicated wound or intractable pain which precludes socket wear.
- Inability to tolerate the weight of the prosthesis.
- Medicare level K 0—no ability or potential to ambulate or transfer.
- Medicare level K 1—limited ability to transfer or ambulate on level ground at fixed cadence.
- Medicare level K 2—limited community ambulator that does not have the cardiovascular reserve, strength, and balance to improve stability in stance to permit increased independence, less risk of falls, and potential to advance to a less-restrictive walking device.
- Inability to use swing and stance features of the knee unit.
- Poor balance or ataxia that limits ambulation.
- Significant hip flexion contracture (over 20 degrees).
- Significant deformity of remaining limb that would impair ability to stride.
- Limited cardiovascular and/or pulmonary reserve or profound weakness.
- Limited cognitive ability to understand gait sequencing or care requirements.
- Long distance or competitive running.
- Falls outside of recommended weight or height guidelines of manufacturer.
- Specific environmental factors—such as excessive moisture or dust, or inability to charge the prosthesis.
- Extremely rural conditions where maintenance ability is limited.

B. Indications for use of the microprocessor knee should include the following:

- Adequate cardiovascular and pulmonary reserve to ambulate at variable cadence.
- Adequate strength and balance in stride to activate the knee unit.
- Should not exceed the weight or height restrictions of the device.
- Adequate cognitive ability to master technology and gait requirements of the device.
- Hemi-pelvectomy through knee-disarticulation level of amputation, including bilateral; lower extremity amputees are candidates if they meet functional criteria as listed.
- Patient is an active walker and requires a device that reduces energy consumption to permit longer distances with less fatigue.

- Daily activities or job tasks that do not permit full focus of concentration on knee control and stability—such as uneven terrain, ramps, curbs, stairs, repetitive lifting, and/or carrying.
- Medicare level K 2—limited community ambulator, but only if improved stability in stance permits increased independence, less risk of falls, and potential to advance to a less restrictive walking device, and patient has cardiovascular reserve, strength, and balance to use the prosthesis. The microprocessor enables fine-tuning and adjustment of the hydraulic mechanism to accommodate the unique motor skills and demands of the functional level K2 ambulator.
- Medicare level K 3—unlimited community ambulator.
- Medicare level K 4—active adult, athlete who has the need to function as a K 3 level in daily activities.
- Potential to lessen back pain by providing more secure stance control, using less muscle control to keep knee stable.
- Potential to unload and decrease stress on remaining limb.
- Potential to return to an active lifestyle.

C. Physical and Functional Fitting Criteria for New Amputees:
- New amputees may be considered if they meet certain criteria as outlined above.
- Premorbid and current functional assessment important determinant.
- Requires stable wound and ability to fit socket.
- Immediate postoperative fit is possible.
- Must have potential to return to active lifestyle.

Cross-References:

MP-6.018 Prosthetics and Accessories
MP-6.028 Foot Orthotics and Other Podiatric Appliances
MP-6.062 Ankle-Foot and Knee-Ankle-Foot Orthoses

II. PRODUCT VARIATIONS

TOP

This policy is only applicable to certain programs and products administered by Capital BlueCross and subject to benefit variations as discussed in Section VI. Please see additional information below.

FEP PPO - Refer to FEP Medical Policy Manual MP-1.04.05, Microprocessor-Controlled Prostheses for the Lower Limb. The FEP Medical Policy Manual can be found at: https://www.fepblue.org/benefit-plans/medical-policies-and-utilization-management-guidelines/medical-policies

III. DESCRIPTION/BACKGROUND

TOP

Lower Extremity Prosthetics

More than 100 different prosthetic ankle-foot and knee designs are currently available. The choice of the most appropriate design may depend on the patient's underlying activity level. For example, the requirements of a prosthetic knee in an elderly, largely homebound individual will differ from those of a younger, active person. Key elements of a prosthetic knee design involve providing stability during both the stance and swing phase of the gait. Prosthetic knees vary in their ability to alter the cadence of the gait, or the ability to walk on rough or uneven surfaces. In contrast to more simple prostheses, which are designed to function optimally at one walking cadence, fluid and hydraulic-controlled devices are designed to allow amputees to vary their walking speed by matching the movement of the shin portion of the prosthesis to the movement of the upper leg. For example, the rate at which the knee flexes after "toe-off" and then extends before heel strike depends in part on the mechanical characteristics of the prosthetic knee joint. If the resistance to flexion and extension of the joint does not vary with gait speed, the prosthetic knee extends too quickly or too slowly relative to the heel strike if the cadence is altered. When properly controlled, hydraulic or pneumatic swing-phase controls allow the prosthetist to set a pace adjusted to the individual amputee, from very slow to a race-walking pace. Hydraulic prostheses are heavier than other options and require gait training; for these reasons, these prostheses are prescribed for athletic or fit individuals. Other design features include multiple centers of rotation, referred to as "polycentric knees." The mechanical complexity of these devices allows engineers to optimize selected stance and swing-phase features.

Microprocessor-Controlled Prosthetic Knees

Microprocessor-controlled prosthetic knees have been developed, including the Intelligent Prosthesis (Blatchford, England); the Adaptive (Endolite, Basingstoke, Hampshire, UK); the Rheo Knee® (Össur, Iceland); the C-Leg®, Genium™ Bionic Prosthetic System, and the X2 and X3 prostheses (Otto Bock Orthopedic Industry, Minneapolis, MN); and Seattle Power Knees (3 models include Single Axis, 4-bar, and Fusion, from Seattle Systems). These devices are equipped with a sensor that detects when the knee is in full extension and adjusts the swing phase automatically, permitting a more natural walking pattern of varying speeds. The prosthetist can specify several different optimal adjustments that the computer later selects and applies according to the pace of ambulation. Also, these devices (with the exception of the Intelligent Prosthesis use microprocessor control in both the swing and stance phases of gait. (The C-Leg Compact provides only stance control.) By improving stance control, such devices may provide increased safety, stability, and function; for example, the sensors are designed to recognize a stumble and stiffen the knee, thus avoiding a fall. Other potential benefits of microprocessor-controlled knee prostheses are improved ability to navigate stairs, slopes, and uneven terrain and reduction in energy expenditure and concentration required for ambulation. In 1999, the C-Leg was cleared for marketing by the Food and Drug Administration (FDA) through the 510(k) process (K991590). Next-generation devices such as the Genium Bionic Prosthetic system and the X2 and X3 prostheses use additional environmental input (eg, gyroscope and accelerometer) and more sophisticated processing that is intended to create more natural movement. One

improvement in function is step-over-step stair and ramp ascent. They also allow the user to walk and run forward and backward. The X3 is a more rugged version of the X2 that can be used in water, sand, and mud. The X2 and X3 were developed by Otto Bock as part of the Military Amputee Research Program.

Powered Knee Prostheses
The Power Knee™ (Össur, Iceland), which is designed to replace muscle activity of the quadriceps, uses artificial proprioception with sensors similar to the Proprio Foot to anticipate and respond with the appropriate movement required for the next step. The Power Knee is currently in the initial launch phase in the United States.

Microprocessor-Controlled Ankle-Foot Prostheses
Microprocessor-controlled ankle-foot prostheses are being developed for transtibial amputees. These include the Proprio Foot® (Össur), the iPED (developed by Martin Bionics, Oklahoma City, OK, and licensed to College Park Industries, Warren, MI), and the Elan Foot (Endolite). With sensors in the feet that determine the direction and speed of the foot's movement, a microprocessor controls the flexion angle of the ankle, allowing the foot to lift during the swing phase and potentially adjust to changes in force, speed, and terrain during the step phase. This technology is designed to make ambulation more efficient and prevent falls in patients ranging from the young active amputee to the elderly diabetic patient. The Proprio Foot® and Elan Foot are microprocessor-controlled foot prostheses that are commercially available at this time and are considered class I devices that are exempt from 510(k) marketing clearance. Information on the Össur website indicates the use of the Proprio Foot® for low- to moderate-impact for transtibial amputees who are classified as level K3 (ie, community ambulatory, with the ability or potential for ambulation with variable cadence).

Powered Ankle-Foot Prostheses
In development are lower-limb prostheses that also replace muscle activity to bend and straighten the prosthetic joint. For example, the PowerFoot BiOM® (developed at the Massachusetts Institute of Technology and licensed to iWalk) is a myoelectric prosthesis for transtibial amputees that uses muscle activity from the remaining limb for the control of ankle movement (see evidence review 1.04.04 for a description of myoelectric technology). This prosthesis is designed to propel the foot forward as it pushes off the ground during the gait cycle, which in addition to improving efficiency, has the potential to reduce hip and back problems arising from an unnatural gait with use of a passive prosthesis. This technology is limited by the size and the weight required for a motor and batteries in the prosthesis.

Regulatory Status
According to the manufacturers, microprocessor-controlled prostheses are considered a class I device by the U.S. Food and Drug Administration (FDA) and is exempt from 510(k) requirements. This classification does not require submission of clinical data regarding efficacy but only notification of FDA prior to marketing. FDA product codes: ISW, KFX.

IV. RATIONALE

TOP

Microprocessor-Controlled Knee

The literature consists of a number of small within-subject comparisons of microprocessor-controlled knees with non-microprocessor-controlled knee joints. Studies of prostheses with microprocessor knees in Medicare-level K3 and K4 amputees have shown objective improvements in function on some outcome measures and strong patient preference for the microprocessor-controlled prosthetic knees. The evidence in Medicare level K2 ambulators suggests that a prosthesis with stance control only can improve activities that require balance and improve walking in this population. Only 1 biomechanical study of the next-generation Genium prosthesis was identified. One small study found little difference in performance between the Rheo Knee II and the userâ€™s own non-microprocessor-controlled knee.

Microprocessor-Controlled Ankle-Foot Prostheses
Several small studies have been reported with microprocessor-controlled prostheses for transtibial amputees. The evidence to date is insufficient to support an improvement in functional outcomes when compared with the same device in the off-mode or compared with ESR prostheses. Larger, higher quality studies are needed to determine the impact of these devices on health outcomes with greater certainty.

Powered Ankle-Foot Prostheses
Several small studies have been reported with powered ankle-foot prostheses for transtibial amputees. The evidence to date is insufficient to support an improvement in functional outcomes.

Summary of Evidence
For individuals who have a transfemoral amputation who receive a prosthesis with a microprocessor-controlled knee, the evidence includes a number of small within-subject comparisons of microprocessor-controlled knees vs hydraulic knee joints. Relevant outcomes are functional outcomes, health status measures, and quality of life. For K3- and K4-level amputees, studies have shown an objective improvement in function on some outcome measures and a strong patient preference for microprocessor-controlled prosthetic knees. Benefits include a more normal gait, an increase in stability, a decrease in falls, and a decrease in the cognitive burden associated with monitoring the prosthesis. For these reasons, a microprocessor-controlled knee may provide incremental benefit for these individuals. Those considered most likely to benefit from these prostheses have both the potential and need for frequent ambulation at variable cadence, on uneven terrain, or on stairs. The potential to achieve a high functional level with a microprocessor-controlled knee includes having the appropriate physical and cognitive ability to use the advanced technology. The evidence is sufficient to determine that the technology results in a meaningful improvement in the net health outcome.

Note that the evidence does not permit conclusions on the effect of a microprocessor-controlled prosthesis on health outcomes in limited community ambulators or on the effect of a next-generation microprocessor-controlled prosthesis on health outcomes.

For individuals who have a transfemoral amputation who receive a prosthesis with a powered knee, the evidence includes limited data. Relevant outcomes are functional outcomes, health status measures, and quality of life. The limited evidence available to date does not support an improvement in functional outcomes with a powered knee prostheses compared with standard prostheses. The evidence is insufficient to determine the effects of the technology on health outcomes.

For individuals who have a tibial amputation who receive a prosthesis with a microprocessor-controlled ankle-foot, the evidence includes limited data. Relevant outcomes are functional outcomes, health status measures, and quality of life. The limited evidence available to date does not support an improvement in functional outcomes with microprocessor-controlled ankle-foot prostheses compared with standard prostheses. The evidence is insufficient to determine the effects of the technology on health outcomes.

For individuals who have a tibial amputation who receive a prosthesis with a powered ankle-foot, the evidence includes no data. Relevant outcomes are functional outcomes, health status measures, and quality of life. The evidence is insufficient to determine the effects of the technology on health outcomes.

PRACTICE GUIDELINES AND POSITION STATEMENTS

The Veteran's Affairs Prosthetic and Sensory Aids Strategic Healthcare Group established a Prosthetic Clinical Management Program to coordinate the development of clinical practice recommendations for prosthetic prescriptive practices. A subgroup of the Pre-Post National Amputation Workgroup met in 2004 to define patient selection and identification criteria for microprocessor-prosthetic knees. Their proposal was based on recommendations arising from the 2003 Microprocessor Prosthetic Knee Forum. The resulting Department of Veterans Affairs clinical practice recommendations for microprocessor knees are listed in the Appendix.

U.S. Preventive Services Task Force Recommendations

Not applicable.

Medicare National Coverage

Durable medical equipment regional carriers are responsible for creating coverage policies for Medicare regarding durable medical equipment. There is no specific coverage policy on microprocessor-controlled knee prosthesis, in part because there is no specific HCPCS code describing this prosthesis. However, the durable medical equipment regional carriers document has noted that a determination of medical necessity for certain components/additions to the prosthesis is based on the patient's potential functional abilities.[33] Potential functional ability is based on the reasonable expectations of the prosthetist and treating physician, considering factors including, but not limited to the following:

a. the patient's past history, AND

b. the patient's current condition including the status of the residual limb and the nature of other medical problems, AND
c. the patient's desire to ambulate.

The document also has provided the following classification of rehabilitation potential:

Level 0. Does not have the ability or potential to ambulate or transfer safely with or without assistance and a prosthesis does not enhance their quality of life or mobility.

Level 1. Has the ability or potential to use a prosthesis for transfers or ambulation on level surfaces at fixed cadence. Typical of the limited and unlimited household ambulatory.

Level 2. Has the ability or potential for ambulation with the ability to traverse low level environmental barriers such as curbs, stairs, or uneven surfaces. Typical of the limited community ambulatory.

Level 3. Has the ability or potential for ambulation with variable cadence. Typical of the community ambulator who has the ability to traverse most environmental barriers and may have vocational, therapeutic, or exercise activity that demands prosthetic utilization beyond simple locomotion.

Level 4. Has the ability or potential for prosthetic ambulation that exceeds basic ambulation skills, exhibiting high impact, stress, or energy levels. Typical of the prosthetic demand of the child, active adult, or athlete.

ONGOING AND UNPUBLISHED CLINICAL TRIALS
Some currently unpublished trials that might influence this review are listed in Table 1.

Table 1. Summary if Key Trials

NCT No.	Trial Name	Planned Enrollment	Completion Date
Ongoing			
NCT03204513	Impact of Powered Knee-Ankle Prosthesis Leg on Everyday Community Mobility and Social Interaction	15	Apr 2021
Unpublished			
NCT02864693	Comparative Effectiveness of Microprocessor Controlled and Carbon Fiber Energy Storing and Returning Prosthetic Feet in Persons With Unilateral Transtibial Amputation	30	Apr 2018

NCT: national clinical trial.

V. DEFINITIONS TOP

N/A

VI. BENEFIT VARIATIONS TOP

The existence of this medical policy does not mean that this service is a covered benefit under the member's health benefit plan. Benefit determinations should be based in all cases on the applicable health benefit plan language. Medical policies do not constitute a description of benefits. A member's health benefit plan governs which services are covered, which are excluded, which are subject to benefit limits and which require preauthorization. There are different benefit plan designs in each product administered by Capital BlueCross. Members and providers should consult the member's health benefit plan for information or contact Capital BlueCross for benefit information.

VII. DISCLAIMER TOP

Capital BlueCross's medical policies are developed to assist in administering a member's benefits, do not constitute medical advice and are subject to change. Treating providers are solely responsible for medical advice and treatment of members. Members should discuss any medical policy related to their coverage or condition with their provider and consult their benefit information to determine if the service is covered. If there is a discrepancy between this medical policy and a member's benefit information, the benefit information will govern. If a provider or a member has a question concerning the application of this medical policy to a specific member's plan of benefits, please contact Capital BlueCross' Provider Services or Member Services. Capital BlueCross considers the information contained in this medical policy to be proprietary and it may only be disseminated as permitted by law.

VIII. CODING INFORMATION TOP

Note: This list of codes may not be all-inclusive, and codes are subject to change at any time. The identification of a code in this section does not denote coverage as coverage is determined by the terms of member benefit information. In addition, not all covered services are eligible for separate reimbursement.

Not medically necessary; therefore, not covered:

HCPCS Code	Description
L5969	Addition,endoskeletalankle-footoranklesystem,powerassist,includesanytypemotor(s)
L5973	Endoskeletalanklefootsystem,microprocessorcontrolledfeature,dorsiflexionand/orplantarflexioncontrol,includespowersource

POLICY TITLE	LOWER LIMB PROSTHESES
POLICY NUMBER	MP-6.042

Medically necessary and therefore covered:

HCPCS Code	Description
L2006	Knee-ankle-foot (KAF) device, any material, single or double upright, swing and stance phase microprocessor control with adjustability, includes all components (e.g., sensors, batteries, charger), any type activation, with or without ankle joint(s), custom fabricated
L5000	Initial, below knee (BK) PTB type socket, nonalignable system, pylon, no cover, SACH foot, plaster socket, direct formed
L5010	Partial foot, molded socket, ankle height, with toe filler
L5020	Partial foot, molded socket, tibial tubercle height, with toe filler
L5050	Ankle, Symes, molded socket, SACH foot
L5060	Ankle, Symes, metal frame, molded leather socket, articulated ankle/foot
L5100	Below knee (BK), molded socket, shin, SACH foot
L5105	Below knee (BK), plastic socket, joints and thigh lacer, SACH foot
L5150	Knee disarticulation (or through knee), molded socket, external knee joints, shin, SACH foot
L5160	Knee disarticulation (or through knee), molded socket, bent knee configuration, external knee joints, shin, SACH foot
L5200	Above knee (AK), molded socket, single axis constant friction knee, shin, SACH foot
L5210	Above knee (AK), short prosthesis, no knee joint (stubbies), with foot blocks, no ankle joints, each
L5220	Above knee (AK), short prosthesis, no knee joint (stubbies), with articulated ankle/foot, dynamically aligned, each
L5230	Above knee (AK), for proximal femoral focal deficiency, constant friction knee, shin, SACH foot
L5250	Hip disarticulation, Canadian type; molded socket, hip joint, single axis constant friction knee, shin, SACH foot
L5270	Hip disarticulation, tilt table type; molded socket, locking hip joint, single axis constant friction knee, shin, SACH foot
L5280	Hemipelvectomy, Canadian type; molded socket, hip joint, single axis constant friction knee, shin, SACH foot
L5301	Below knee (BK), molded socket, shin, SACH foot, endoskeletal system
L5312	Knee disarticulation (or through knee), molded socket, single axis knee, pylon, SACH foot, endoskeletal system
L5321	Above knee (AK), molded socket, open end, SACH foot, endoskeletal system, single axis knee
L5331	Hip disarticulation, Canadian type, molded socket, endoskeletal system, hip joint, single axis knee, SACH foot
L5341	Hemipelvectomy, Canadian type, molded socket, endoskeletal system, hip joint, single axis knee, SACH foot
L5500	Initial, below knee (BK) PTB type socket, nonalignable system, pylon, no cover, SACH foot, plaster socket, direct formed

POLICY TITLE	LOWER LIMB PROSTHESES
POLICY NUMBER	MP-6.042

HCPCS Code	Description
L5505	Initial, above knee (AK), knee disarticulation, ischial level socket, nonalignable system, pylon, no cover, SACH foot, plaster socket, direct formed
L5510	Preparatory, below knee (BK) PTB type socket, nonalignable system, pylon, no cover, SACH foot, plaster socket, molded to model
L5520	Preparatory, below knee (BK) PTB type socket, nonalignable system, pylon, no cover, SACH foot, thermoplastic or equal, direct formed
L5530	Preparatory, below knee (BK) PTB type socket, nonalignable system, pylon, no cover, SACH foot, thermoplastic or equal, molded to model
L5535	Preparatory, below knee (BK) PTB type socket, nonalignable system, no cover, SACH foot, prefabricated, adjustable open end socket
L5540	Preparatory, below knee (BK) PTB type socket, nonalignable system, pylon, no cover, SACH foot, laminated socket, molded to model
L5560	Preparatory, above knee (AK), knee disarticulation, ischial level socket, nonalignable system, pylon, no cover, SACH foot, plaster socket, molded to model
L5570	Preparatory, above knee (AK), knee disarticulation, ischial level socket, nonalignable system, pylon, no cover, SACH foot, thermoplastic or equal, direct formed
L5580	Preparatory, above knee (AK), knee disarticulation, ischial level socket, nonalignable system, pylon, no cover, SACH foot, thermoplastic or equal, molded to model
L5585	Preparatory, above knee (AK), knee disarticulation, ischial level socket, nonalignable system, pylon, no cover, SACH foot, prefabricated adjustable open end socket
L5590	Preparatory, above knee (AK), knee disarticulation, ischial level socket, nonalignable system, pylon, no cover, SACH foot, laminated socket, molded to model
L5595	Preparatory, hip disarticulation/hemipelvectomy, pylon, no cover, SACH foot, thermoplastic or equal, molded to patient model
L5600	Preparatory, hip disarticulation/hemipelvectomy, pylon, no cover, SACH foot, laminated socket, molded to patient model
L5610	Addition to lower extremity, endoskeletal system, above knee (AK), hydracadence system
L5611	Addition to lower extremity, endoskeletal system, above knee (AK), knee disarticulation, four-bar linkage, with friction swing phase control
L5613	ition to lower extremity, endoskeletal system, above knee (AK), knee disarticulation, four-bar linkage, with hydraulic swing phase control
L5614	Addition to lower extremity, exoskeletal system, above knee (AK), knee disarticulation, four-bar linkage, with pneumatic swing phase control
L5616	Addition to lower extremity, endoskeletal system, above knee (AK), universal multiplex system, friction swing phase control
L5617	Addition to lower extremity, quick change self-aligning unit, above knee (AK) or below knee (BK), each
L5618	Addition to lower extremity, test socket, Symes
L5620	Addition to lower extremity, test socket, below knee (BK)
L5622	Addition to lower extremity, test socket, knee disarticulation
L5624	Addition to lower extremity, test socket, above knee (AK)
L5626	Addition to lower extremity, test socket, hip disarticulation

POLICY TITLE	LOWER LIMB PROSTHESES
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HCPCS Code	Description
L5628	Addition to lower extremity, test socket, hemipelvectomy
L5629	Addition to lower extremity, below knee, acrylic socket
L5630	Addition to lower extremity, Symes type, expandable wall socket
L5631	Addition to lower extremity, above knee (AK) or knee disarticulation, acrylic socket
L5632	Addition to lower extremity, Symes type, PTB brim design socket
L5634	Addition to lower extremity, Symes type, posterior opening (Canadian) socket
L5636	Addition to lower extremity, Symes type, medial opening socket
L5637	Addition to lower extremity, below knee (BK), total contact
L5638	Addition to lower extremity, below knee (BK), leather socket
L5639	Addition to lower extremity, below knee (BK), wood socket
L5640	Addition to lower extremity, knee disarticulation, leather socket
L5642	Addition to lower extremity, above knee (AK), leather socket
L5643	Addition to lower extremity, hip disarticulation, flexible inner socket, external frame
L5644	Addition to lower extremity, above knee (AK), wood socket
L5645	Addition to lower extremity, below knee (BK), flexible inner socket, external frame
L5646	Addition to lower extremity, below knee (BK), air, fluid, gel or equal, cushion socket
L5647	Addition to lower extremity, below knee (BK), suction socket
L5648	Addition to lower extremity, above knee (AK), air, fluid, gel or equal, cushion socket
L5649	Addition to lower extremity, ischial containment/narrow M-L socket
L5650	Additions to lower extremity, total contact, above knee (AK) or knee disarticulation socket
L5651	Addition to lower extremity, above knee (AK), flexible inner socket, external frame
L5652	Addition to lower extremity, suction suspension, above knee (AK) or knee disarticulation socket
L5653	Addition to lower extremity, knee disarticulation, expandable wall socket
L5654	Addition to lower extremity, socket insert, Symes, (Kemblo, Pelite, Aliplast, Plastazote or equal)
L5655	Addition to lower extremity, socket insert, below knee (BK) (Kemblo, Pelite, Aliplast, Plastazote or equal)
L5656	Addition to lower extremity, socket insert, knee disarticulation (Kemblo, Pelite, Aliplast, Plastazote or equal)
L5658	Addition to lower extremity, socket insert, above knee (AK) (Kemblo, Pelite, Aliplast, Plastazote or equal)
L5661	Addition to lower extremity, socket insert, multidurometer Symes
L5665	Addition to lower extremity, socket insert, multidurometer, below knee (BK)
L5666	Addition to lower extremity, below knee (BK), cuff suspension
L5668	Addition to lower extremity, below knee (BK), molded distal cushion
L5670	Addition to lower extremity, below knee (BK), molded supracondylar suspension (PTS or similar)

POLICY TITLE	LOWER LIMB PROSTHESES
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HCPCS Code	Description
L5671	Addition to lower extremity, below knee (BK)/above knee (AK) suspension locking mechanism (shuttle, lanyard, or equal), excludes socket insert
L5672	Addition to lower extremity, below knee (BK), removable medial brim suspension
L5673	Addition to lower extremity, below knee (BK)/above knee (AK), custom fabricated from existing mold or prefabricated, socket insert, silicone gel, elastomeric or equal, for use with locking mechanism
L5676	Additions to lower extremity, below knee (BK), knee joints, single axis, pair
L5677	Additions to lower extremity, below knee (BK), knee joints, polycentric, pair
L5678	Additions to lower extremity, below knee (BK), joint covers, pair
L5679	Addition to lower extremity, below knee (BK)/above knee (AK), custom fabricated from existing mold or prefabricated, socket insert, silicone gel, elastomeric or equal, not for use with locking mechanism
L5680	Addition to lower extremity, below knee (BK), thigh lacer, nonmolded
L5681	Addition to lower extremity, below knee (BK)/above knee (AK), custom fabricated socket insert for congenital or atypical traumatic amputee, silicone gel, elastomeric or equal, for use with or without locking mechanism, initial only (for other than initial, use code L5673 or L5679)
L5682	Addition to lower extremity, below knee (BK), thigh lacer, gluteal/ischial, molded
L5683	Addition to lower extremity, below knee (BK)/above knee (AK), custom fabricated socket insert for other than congenital or atypical traumatic amputee, silicone gel, elastomeric or equal, for use with or without locking mechanism, initial only (for other than initial, use code L5673 or L5679)
L5684	Addition to lower extremity, below knee, fork strap
L5685	Addition to lower extremity prosthesis, below knee, suspension/sealing sleeve, with or without valve, any material, each
L5686	Addition to lower extremity, below knee (BK), back check (extension control)
L5688	Addition to lower extremity, below knee (BK), waist belt, webbing
L5690	Addition to lower extremity, below knee (BK), waist belt, padded and lined
L5692	Addition to lower extremity, above knee (AK), pelvic control belt, light
L5694	Addition to lower extremity, above knee (AK), pelvic control belt, padded and lined
L5695	Addition to lower extremity, above knee (AK), pelvic control, sleeve suspension, neoprene or equal, each
L5696	Addition to lower extremity, above knee (AK) or knee disarticulation, pelvic joint
L5697	Addition to lower extremity, above knee (AK) or knee disarticulation, pelvic band
L5698	Addition to lower extremity, above knee (AK) or knee disarticulation, Silesian bandage
L5699	All lower extremity prostheses, shoulder harness
L5700	Replacement, socket, below knee (BK), molded to patient model
L5701	Replacement, socket, above knee (AK)/knee disarticulation, including attachment plate, molded to patient model
L5702	Replacement, socket, hip disarticulation, including hip joint, molded to patient model

POLICY TITLE	LOWER LIMB PROSTHESES
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HCPCS Code	Description
L5703	Ankle, Symes, molded to patient model, socket without solid ankle cushion heel (SACH) foot, replacement only
L5704	Custom shaped protective cover, below knee (BK)
L5705	Custom shaped protective cover, above knee (AK)
L5706	Custom shaped protective cover, knee disarticulation
L5707	Custom shaped protective cover, hip disarticulation
L5710	Addition, exoskeletal knee-shin system, single axis, manual lock
L5711	Additions exoskeletal knee-shin system, single axis, manual lock, ultra-light material
L5712	Addition, exoskeletal knee-shin system, single axis, friction swing and stance phase control (safety knee)
L5714	Addition, exoskeletal knee-shin system, single axis, variable friction swing phase control
L5716	Addition, exoskeletal knee-shin system, polycentric, mechanical stance phase lock
L5718	Addition, exoskeletal knee-shin system, polycentric, friction swing and stance phase control
L5722	Addition, exoskeletal knee-shin system, single axis, pneumatic swing, friction stance phase control
L5724	Addition, exoskeletal knee-shin system, single axis, fluid swing phase control
L5726	Addition, exoskeletal knee-shin system, single axis, external joints, fluid swing phase control
L5728	Addition, exoskeletal knee-shin system, single axis, fluid swing and stance phase control
L5780	Addition, exoskeletal knee-shin system, single axis, pneumatic/hydra pneumatic swing phase control
L5781	Addition to lower limb prosthesis, vacuum pump, residual limb volume management and moisture evacuation system
L5782	Addition to lower limb prosthesis, vacuum pump, residual limb volume management and moisture evacuation system, heavy-duty
L5785	Addition, exoskeletal system, below knee (BK), ultra-light material (titanium, carbon fiber or equal)
L5790	Addition, exoskeletal system, above knee (AK), ultra-light material (titanium, carbon fiber or equal)
L5795	Addition, exoskeletal system, hip disarticulation, ultra-light material (titanium, carbon fiber or equal)
L5810	Addition, endoskeletal knee-shin system, single axis, manual lock
L5811	Addition, endoskeletal knee-shin system, single axis, manual lock, ultra-light material
L5812	Addition, endoskeletal knee-shin system, single axis, friction swing and stance phase control (safety knee)
L5814	Addition, endoskeletal knee-shin system, polycentric, hydraulic swing phase control, mechanical stance phase lock
L5816	Addition, endoskeletal knee-shin system, polycentric, mechanical stance phase lock

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POLICY NUMBER	MP-6.042

HCPCS Code	Description
L5818	Addition, endoskeletal knee-shin system, polycentric, friction swing and stance phase control
L5822	Addition, endoskeletal knee-shin system, single axis, pneumatic swing, friction stance phase control
L5824	Addition, endoskeletal knee-shin system, single axis, fluid swing phase control
L5826	Addition, endoskeletal knee-shin system, single axis, hydraulic swing phase control, with miniature high activity frame
L5828	Addition, endoskeletal knee-shin system, single axis, fluid swing and stance phase control
L5830	Addition, endoskeletal knee-shin system, single axis, pneumatic/swing phase control
L5840	Addition, endoskeletal knee-shin system, four-bar linkage or multiaxial, pneumatic swing phase control
L5845	Addition, endoskeletal knee-shin system, stance flexion feature, adjustable
L5848	Addition to endoskeletal knee-shin system, fluid stance extension, dampening feature, with or without adjustability
L5850	Addition, endoskeletal system, above knee (AK) or hip disarticulation, knee extension assist
L5855	Addition, endoskeletal system, hip disarticulation, mechanical hip extension assist
L5856	Addition to lower extremity prosthesis, endoskeletal knee-shin system, microprocessor control feature, swing and stance phase, includes electronic sensor(s), any type
L5857	Addition to lower extremity prosthesis, endoskeletal knee-shin system, microprocessor control feature, swing phase only, includes electronic sensor(s), any type
L5858	Addition to lower extremity prosthesis, endoskeletal knee-shin system, microprocessor control feature, stance phase only, includes electronic sensor(s), any type
L5859	Addition to lower extremity prosthesis, endoskeletal knee-shin system, powered and programmable flexion/extension assist control, includes any type motor(s)
L5910	Addition, endoskeletal system, below knee (BK), alignable system
L5920	Addition, endoskeletal system, above knee (AK) or hip disarticulation, alignable system
L5925	Addition, endoskeletal system, above knee (AK), knee disarticulation or hip disarticulation, manual lock
L5930	Addition, endoskeletal system, high activity knee control frame
L5940	Addition, endoskeletal system, below knee (BK), ultra-light material (titanium, carbon fiber or equal)
L5950	Addition, endoskeletal system, above knee (AK), ultra-light material (titanium, carbon fiber or equal)
L5960	Addition, endoskeletal system, hip disarticulation, ultra-light material (titanium, carbon fiber or equal)
L5961	Addition, endoskeletal system, polycentric hip joint, pneumatic or hydraulic control, rotation control, with or without flexion and/or extension control

POLICY TITLE	LOWER LIMB PROSTHESES
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HCPCS Code	Description
L5962	Addition, endoskeletal system, below knee (BK), flexible protective outer surface covering system
L5964	Addition, endoskeletal system, above knee (AK), flexible protective outer surface covering system
L5966	Addition, endoskeletal system, hip disarticulation, flexible protective outer surface covering system
L5968	Addition to lower limb prosthesis, multiaxial ankle with swing phase active dorsiflexion feature
L5970	All lower extremity prostheses, foot, external keel, SACH foot
L5971	All lower extremity prostheses, solid ankle cushion heel (SACH) foot, replacement only
L5972	All lower extremity prostheses, foot, flexible keel
L5974	All lower extremity prostheses, foot, single axis ankle/foot
L5975	All lower extremity prostheses, combination single axis ankle and flexible keel foot
L5976	All lower extremity prostheses, energy storing foot (Seattle Carbon Copy II or equal)
L5978	All lower extremity prostheses, foot, multiaxial ankle/foot
L5979	All lower extremity prostheses, multiaxial ankle, dynamic response foot, one-piece system
L5980	All lower extremity prostheses, flex-foot system
L5981	All lower extremity prostheses, flex-walk system or equal
L5982	All exoskeletal lower extremity prostheses, axial rotation unit
L5984	All endoskeletal lower extremity prostheses, axial rotation unit, with or without adjustability
L5985	All endoskeletal lower extremity prostheses, dynamic prosthetic pylon
L5986	All lower extremity prostheses, multiaxial rotation unit (MCP or equal)
L5987	All lower extremity prostheses, shank foot system with vertical loading pylon
L5988	Addition to lower limb prosthesis, vertical shock reducing pylon feature
L5990	Addition to lower extremity prosthesis, user adjustable heel height
L7367	Lithium ion battery, rechargeable, replacement
L7368	Lithium ion battery charger, replacement only
L7510	Repair of prosthetic device, repair or replace minor parts
L7520	Repair prosthetic device, labor component, per 15 minutes
L7600	Prosthetic donning sleeve, any material, each
L7700	Gasket or seal, for use with prosthetic socket insert, any type, each
L8400	Prosthetic sheath, below knee, each
L8410	Prosthetic sheath, above knee, each
L8417	Prosthetic sheath/sock, including a gel cushion layer, below knee (BK) or above knee (AK), each
L8420	Prosthetic sock, multiple ply, below knee (BK), each

POLICY TITLE	LOWER LIMB PROSTHESES
POLICY NUMBER	MP-6.042

HCPCS Code	Description
L8430	Prosthetic sock, multiple ply, above knee (AK), each
L8440	Prosthetic shrinker, below knee (BK), each
L8460	Prosthetic shrinker, above knee (AK), each
L8470	Prosthetic sock, single ply, fitting, below knee (BK), each
L8480	Prosthetic sock, single ply, fitting, above knee (AK), each

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X. POLICY HISTORY

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MP 6.036	**CAC 4/27/04**
MP 6.042	**CAC 6/28/05**
	CAC 6/27/06
	CAC 6/26/07 *(policy # change)*
	CAC 5/27/08
	CAC 5/26/09
	CAC 5/25/10 Minor revision. Background and policy criteria revised regarding myoelectric prosthetic components for the upper limb. For lower limb prosthetics, the powered knee and the microprocessor-controlled or powered foot were changed from not medically necessary to investigational. Policy order revised for clarity.
	CAC 4/26/11 Consensus
	CAC 8/28/12 Adopt BCBSA. By adopting BCBSA, the following criteria were removed from the policy to include: mechanical (non-myoelectric) prosthetics; sockets, accessories and components, and microprocessor prosthetics for the upper limb (criteria moved to MP-6.052 Microprocessor-Controlled Prostheses for the Upper Limb). The revised policy statements clarify that use in the home or basic community ambulation or employment environment is not sufficient evidence for prescription of this device over standard prosthetic application. The FEP variation was revised. Note policy title was changed to Microprocessor-Controlled Prostheses of the Lower Limb. Codes updated 8/7/12.
	01/03/2013- 2013 New codes added
	CAC 7/30/13 Consensus. No change to policy statements. Added policy guidelines from BCBSA policy. No coding changes.
	12/20/2013- New 2014 Code updates made.
	CAC 3/25/14 Consensus review. References updated. Rationale added. Clarification statement added that a microprocessor-controlled knee is considered not medically necessary in individuals who do not meet these criteria. No coding changes.
	CAC 3/24/15 Consensus review. No changes to the policy statements. References and rationale updated**.** Codes reviewed.
	11/2/15 Administrative change. LCD number changed from L11464 to L33787 due to NHIC update to ICD-10.

POLICY TITLE	LOWER LIMB PROSTHESES
POLICY NUMBER	MP-6.042

	CAC 3/29/16 Consensus review. No changes to the policy statements. Rationale and references updated. Coding reviewed.
	Administrative change 7/15/16. DME jurisdiction A carrier change from NHIC to Noridian.
	Admin update 1/1/17: Product variation section reformatted.
	CAC 5/23/17 Consensus review. Policy statements unchanged. Description/Background, Rationale and Reference sections updated. Coding reviewed.
	1/1/18 Admin Update: Medicare variations removed from Commercial Policies.
	2/06/18 Minor revision. The investigational policy statement regarding a microprocessor-controlled or powered "foot" device has been further defined as "ankle-foot," the position remains investigational. Added the standard investigational statement to the first investigational position. Appendix added. Description/Background, Rationale and Reference sections updated. Coding updated.
	5/2/18 Minor Revision. Updated policy to include direction for all lower extremity prosthetics with coding in policy statements. References added and updated.
	3/22/19 Consensus review. No changes to policy statements. Rational revised. References updated.
	01/01/20 Coding update. New 2020 CPT code L2006 added to policy.
	4/23/20 Consensus review. Policy statement unchanged. References and Background updated. Coding reviewed and tables added at the bottom of the policy, no new codes added.

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