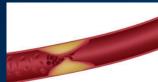


What is peripheral artery disease (PAD)?

PAD is the hardening or narrowing of the arteries in the leg, caused by fatty deposits or calcium which accumulate in the blood vessels of the buttocks, legs and feet blocking normal blood flow.'



Healthy vessel



Diseased vessel

17 million Americans affected by PAD.²

Symptoms of PAD include:

- Leg pain
- Wounds on the foot or toe that will not heal
- Gangrene
- Noticeable decrease in temperature of your leg or foot

The most common symptom of peripheral artery disease (PAD) is a painful cramping in the hips, thighs or calves when walking, climbing stairs or exercising.²

Risk factors for PAD:

- Smoking
- Diabetes
- High blood pressure
- High cholesterol
- History of heart or vascular disease

Diagnosing PAD can include the following:

A physical exam

Your physician will check for weak pulses in the legs. Checking for weak pulses is usually performed by checking the pulse at your hips, knees and feet.

An ankle-brachial index (ABI) test

The ankle-brachial index (ABI) test measures the ratio of blood pressure in the ankle compared to the blood pressure in the arms. Compared to the arm, lower blood pressure in the ankle is a symptom of blocked arteries (peripheral arterial disease). Sometimes PAD can be present even if the ABI is relatively normal.³

A non-invasive doppler ultrasound test

The test involves a non-invasive method that visualizes the artery with sound waves and measures the blood flow in an artery to indicate the presence of a blockage.





Minimally invasive procedures

There are non-surgical procedures available to improve blood flow in the leg arteries. These procedures are performed in a cath lab under local anesthesia.

Atherectomy

A variety of mechanical devices, or atherectomy, are available to cut, ablate or remove plaque build-up from the artery. Your doctor will choose the most appropriate version depending on the type of blockage.

Balloon angioplasty

A balloon is inserted into the artery and inflated at the site of the blockage pushing the plaque to the artery wall to improve blood flow.

Drug-coated balloon angioplasty

A balloon that is coated with a therapeutic drug dose that adheres to the vessel wall after balloon inflation and may aid in preventing the artery from re-narrowing.

Stenting

A stent is a small mesh tube made of metal that expands and is placed permanently to help keep the vessel wall open to improve blood flow.

Surgical procedures

Vascular surgery

Your doctor may choose to perform a vascular surgery, or bypass, depending on the severity of PAD. These surgeries are performed under general anesthesia and involve incisions into the artery to remove plaque or reroute blood flow through a graft placed above and below the blocked artery.

The Philips Stellarex drug-coated angioplasty balloon

The Stellarex drug-coated angioplasty balloon is a device used to treat patients with PAD by mechanically opening the vessel; during treatment, a small dose of drug is transferred to the artery, which is intended to prevent re-narrowing. Clinical studies have shown that the Stellarex drug coated balloon is safe and effective, and that rates of restenosis (or re-narrowing of the artery) are improved over conventional balloon angioplasty. When restenosis occurs within a previously placed stent, this is called in-stent restenosis (ISR). The Stellarex drug coated balloon is safe and effective for treating ISR.

This balloon is coated with EnduraCoat technology, a formulation of the drug paclitaxel and the carrier polyethylene glycol (PEG). Upon balloon inflation, the EnduraCoat formulation is transferred to the vessel wall so the paclitaxel may aid in preventing the re-narrowing of the artery over time. Paclitaxel is commonly used to treat cancer patients at much larger doses.

Contraindications

The Stellarex drug-coated angioplasty balloon should not be used in:

- Patients with known hypersensitivity to paclitaxel or structurally related compounds.
- Patients who cannot receive recommended anti-platelet and/ or anti-coagulation therapy.
- Women who are breastfeeding, pregnant or are intending to become pregnant or men intending to father children.

Potential complications and adverse events

Potential complications which may be associated with a peripheral balloon dilation procedure include, but may not be limited to, the following:

- Abrupt vessel closure
- Allergic reaction to contrast medium, anti-platelet therapy or catheter system components (drug, excipients, and materials)
- Amputation/loss of limb
- Arrhythmias
- Arterial aneurysm
- Arterio-venous fistula (AVF)
- Artery injury
- Bleeding
- Death
- Embolism/device embolism
- Fever
- Hematoma
- Hemorrhage
- $\bullet \ Hypertension/hypotension$
- Infection or pain at insertion site
- Inflammation
- Ischemia for infarction of

tissue/organ

- Occlusion
- Pain or tenderness
- Peripheral edema
- Pseudoaneurysm
- Renal insufficiency or failure
- Restenosis
- Sepsis or systemic infection
- Shock
- Stroke/cerebrovascular accident
- Thrombosis
- Vessel dissection, perforation, rupture, spasm or recoil
- Vessel trauma which requires surgical repair

Potential complications which may be associated with the addition of paclitaxel to the balloon include, but may not be limited to, the following:

- Allergic/immunologic reaction to paclitaxel
- Alopecia
- Anemia
- Gastrointestinal symptoms (diarrhea, nausea, pain, vomiting)
- Hematologic dyscrasia (including neutropenia, leukopenia, thrombocytopenia)
- Hepatic enzyme changes
- Histologic changes in vessel wall including inflammation, cellular damage, or necrosis
- Myalgia/arthralgia
- Myelosuppression
- Peripheral neuropathy

A study published in December 2018 in the Journal of the American Heart Association^a reported an increased risk of death starting at 2 years and up to 5 years after treatment with paclitaxel-coated devices in the upper leg compared to treatment with uncoated devices. The U.S. Food and Drug Administration also observed this increased risk of death associated with paclitaxel-coated devices that are approved in the U.S. Additional studies are being conducted to better understand this risk. Although so far the cause for this increased risk of death is unknown, this is important information for you to have when making a decision about treatment options. Your doctor can explain the risks and benefits of paclitaxel-coated devices that are specific to you.

The Stellarex drug-coated angioplasty balloon procedure

Before the procedure

You may have additional blood tests the day before the procedure. Your doctor may prescribe medications that will increase your blood's ability to prevent clotting during and after the procedure. You may also be asked to avoid eating or drinking for eight hours prior to the procedure.

During the procedure

Your angioplasty procedure is performed in a catheterization laboratory or operating room. You will receive a sedative medication in your IV before the procedure to help you relax. A local anesthetic will be injected into the skin at the insertion site in the groin area. An introducer sheath will be inserted into the groin to access the artery and a small tube called a catheter will be placed into the artery and advanced to the blockage site. A dye will be sent through the catheter and into your main leg artery which allows the x-ray images to show where there is blockage in the leg arteries.

The Stellarex drug-coated balloon will be inserted through an introducer sheath and advanced over the wire to the blockage. The Stellarex balloon will be inflated, pushing aside the fatty tissue in the artery, or within a previously placed stent, making a larger opening and improving the blood flow. A small drug dose will then be transferred to the vessel wall. The balloon will then be deflated and removed from the vessel. The introducer sheath will be removed and the insertion site will be closed and bandaged.

After the procedure

After the procedure, you will be moved to a recovery area where your blood pressure, pulse, and breathing will be monitored. You will be required to lie flat and still for a prolonged period. You may be given pain medication for pain or discomfort related to the insertion site. You will receive detailed instructions for your discharge and recovery period. Arrangements will be made for a follow-up visit with your physician.





Stellarex DCB: a clinical summary

The Stellarex drug-coated balloon was evaluated in the **ILLUMENATE** pivotal trial. The ILLUMENATE pivotal trial enrolled 300 patients. After one year, it was determined that the outcome of the procedure was successful. The clinical trial conclusively demonstrated superior safety and effectiveness of the Stellarex Drug-coated Balloon when compared to conventional balloon catheters.

The results of this study showed that the Stellarex drug-coated balloon is safe and effective for treating superficial femoral or popliteal artery stenosis. Your doctor can explain the risks and benefits that are specific to you.

Glossary

Abrupt vessel closure – blockage of a blood vessel limiting blood flow

Alopecia – loss of hair

Amputation – surgical removal of a body limb

Anemia - lowered ability of the blood to carry oxygen

Aneurysm - is a localized, blood-filled balloon-like bulge in the wall of a blood vessel

Ankle brachial index (ABI) – compares the blood pressure measured at your arm to the blood pressure measured at your ankle

Angioplasty – a procedure to open narrowed arteries to improve blood flow

Angiography – medical imaging technique used to visualize the inside of blood vessels and organs of the body, with particular interest in the arteries, veins, and the heart chambers

Anticoagulant medications - drugs that prevent your blood from clotting or prevent existing clots from getting larger; also known as "blood thinners"

Antiplatelet medications – drugs that keep blood clots from forming; aspirin is a type of antiplatelet therapy

Arrhythmias – abnormal heart rhythms; the heart beats too fast, slow, or irregularly

Artery - blood vessels that carry blood away from the heart

Arterio-venous fistula - an abnormal connection or passageway between an artery and a vein

Artery injury (dissection, perforation, rupture) – a tear to the artery wall causing blood to leak from the vessel

Artery spasm – a sudden, involuntary contraction of the vessel

Atherosclerosis – build-up of plaque on the inside of the blood vessels

Arthralgia - joint pain

Bypass graft surgery - the rerouting of blood flow through a graft placed above and below the blocked artery

Calcification – the process in which calcium builds up in the blood vessel

Claudication – pain caused by too little blood flow. Symptoms such as pain, cramping, weakness in buttocks, thigh or calf with walking that is associated with progressive PAD

Drug-coated balloon (DCB) - a balloon coated with a drug intended to prevent the re-narrowing of the vessel

Embolism – an obstruction in a blood vessel due to a blood clot or other foreign matter that gets stuck while traveling through the bloodstream

Hematoma – A localized collection of blood outside the blood vessels

Hemorrhage – excessive bleeding internally or externally

Hypertension – high blood pressure

Hypotension – low blood pressure

In-stent restenosis – PAD in a previously placed stent accompanied by narrowing within the stent

Inflammation – becomes reddened, swollen, hot, and often painful, especially as a reaction to injury or infection

Introducer sheath – a tube inserted into the body to provide an access point and allow the insertion of other instruments

Ischemia – an insufficient supply of blood to an organ, usually due to a blocked artery

Leukopenia – condition in which the number of white blood cells in the circulating blood is lower than normal

Myalgia – muscle pain

Nausea – discomfort in the upper stomach with an involuntary urge to vomit

Neutropenia – abnormally few neutrophils in the blood, leading to increased susceptibility to infection

Occlusion – a blood vessel that is completely blocked preventing blood flow

Peripheral neuropathy – damage to or disease affecting nerves, which may impair sensation, movement, gland or organ function

Pseudoaneurysm – collection of blood due to a hole in the artery; gives the impression of an aneurysm

Renal failure – a medical condition of impaired kidney function in which the kidneys fail to adequately filter metabolic wastes from the blood

Restenosis – recurrent PAD in a previously treated vessel segment accompanied by re-narrowing of the artery and worsening symptoms requiring revascularization

Sepsis – a bacterial infection in the bloodstream or body tissues

Shock – when body is not getting enough blood flow; could be life threatening

Thrombocytopenia – is a blood disease characterized by an abnormally low number of platelets in the bloodstream

Thrombosis – formation of a blood clot



- SAGE Group Report, The Real Cost of PAD.
 American Heart Association www.americanheart.org.
 National Heart, Lunch and Blood Institute www.nhlbi.nih.gov.
 Katsanos, et al. JAHA. December 201 . Vol 7, Issue 24.

Philips

3721 Valley Centre Drive, Suite 500 San Diego, CA 92130 USA Customer Service: 800-231-0978 www.philips.com/IGTdevices

©2022 Koninklijke Philips N.A. All rights reserved. Approved for external distribution. D032248 04 042022

Page 76 of 112