

# Coronary angioplasty with stent insertion

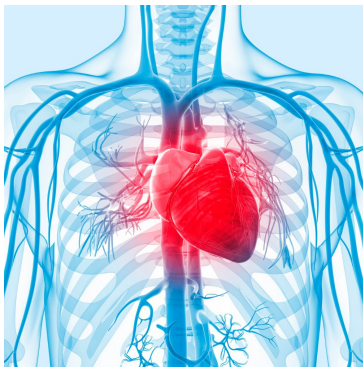
## Effective treatments to support a healthier heart

Coronary angioplasty with stent insertion procedure (also known as Percutaneous Coronary Intervention) is a procedure performed to widen narrowings within the arteries. A stent is used to open and support the diseased artery, helping to improve blood flow to your heart.

Angioplasty is often performed to relieve angina symptoms and treat patients who have had heart attacks. The procedure often follows an angiogram, where the Cardiologist has undertaken a full diagnostic investigation.

### Shockwave Intravascular Lithotripsy (Shockwave IVL)

Sometimes, the blockages can be caused by calcification of your arteries. At KIMS Hospital, we provide a state-of-the-art procedure called Shockwave Intravascular Lithotripsy (IVL). This innovative technique is used to treat calcified coronary artery blockages, enhancing the effectiveness of your coronary angioplasty procedure.



Shockwave IVL uses sonic pressure waves to safely and effectively break up severe calcium buildup in the coronary arteries. During the procedure, a specialised catheter-mounted device is guided to the targeted blocked area. Once properly positioned, the device delivers sonic waves that gently fracture the calcified plaque, enabling successful stent placement and restoring normal blood flow.

### Is Coronary Angioplasty right for you?

The first step is to have an initial consultation with a Consultant Cardiologist at KIMS Hospital or Sevenoaks Medical Centre. With no waiting lists, you can access prompt care at a time that suits you whether you are paying for yourself or if you have medical insurance.

## Prices & payment

We offer a guide price from:

Coronary angioplasty with stent insertion  
from £10,287

The above are guide prices only.

Our [terms and conditions can be found here](#).

## Consultants



Dr Luke Dancy

KIMS Hospital+1 location

[View profile](#)



Dr Evangelos Fountzopoulos

KIMS Hospital+1 location

[View profile](#)



Dr Konrad Grosser

KIMS Hospital+1 location

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Dr Winston Martin

KIMS Hospital+2 locations

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Dr Naveen Mudalagiri

KIMS Hospital+1 location

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Dr Rajiv Rampat

Available at  
KIMS Hospital

[View profile](#)

## What to expect from an angioplasty stent procedure

### What does the angioplasty procedure involve?

Angioplasty is performed by a Consultant Cardiologist, supported by a dedicated team of experienced cardiac Radiographers, Nurses and Physiologists.

The procedure is carried out under local anaesthetic, which is applied to the area around your wrist or groin. Once the anaesthetic has taken effect, a small tube called a sheath is inserted into the artery.

The initial stage involves finding and identifying any narrowings that need to be treated. Once these have been identified, the Cardiologist will proceed with the angioplasty. The stent (small tube) is mounted around a small, deflated balloon on a guide wire, which is tracked along the narrowing. The Cardiologist will then inflate the balloon, widening the stent so it expands to keep your artery open. The balloon is then deflated and removed.

Depending on the number of stents you need, the process will be repeated until the identified narrowing is treated.

### How many stents will I need?

This will depend on the number of narrowings that are identified. Your Cardiologist will only be able to determine this during the procedure and will treat each narrowing that requires a stent.

## Where will my procedure take place?

Regardless of where you had your initial consultation, all surgical procedures take place at KIMS Hospital in Maidstone. Most outpatient appointments, including scans and tests, and follow up appointments with your Consultant, can take place at either KIMS Hospital or Sevenoaks Medical Centre.

## How long will I stay in hospital?

The procedure is usually performed as a day case, which means you won't need to stay overnight. Your Consultant will discuss this with you in more detail during your initial consultation.

## Recovery and aftercare

Angioplasty is considered to be a safe procedure but, as with any operation, there may be a few after-effects. For a few days afterwards, you may have some bruising and soreness around the area where the sheath was inserted. You might also feel tired, but you should be back to normal within a week.

Our team will make sure you are given all the relevant information before you are discharged after your procedure, including who you can contact at the hospital if you have any concerns once you are home. The cardiac nursing team will contact you within the first week after discharge to discuss any issues and your recovery.

## What is Shockwave IVL?

Shockwave IVL, or Shockwave Intravascular Lithotripsy, is a medical procedure that uses sonic pressure waves to safely treat calcified blockages within blood vessels, mainly in the coronary arteries. It's particularly useful when traditional angioplasty or stent placement might be challenging due to severe calcification. IVL makes operations safer and enables great stent placement and deployment reducing risks of further invasive procedures.

## How does Shockwave IVL work?

Shockwave IVL employs miniature sonic pressure waves generated by a catheter-mounted device. These waves pass through soft tissue but target calcified plaque. The controlled application of these waves causes the calcified deposits to fracture into smaller particles, allowing the blood vessel to be expanded more effectively.

## Are there any side effects to Shockwave IVL?

Common side effects might include minor bruising at the catheter insertion site and temporary discomfort.

## What is the cost of private coronary angioplasty with stent insertion at KIMS Hospital?

A private coronary angioplasty with stent insertion at KIMS Hospital starts from £10,287. You can use private medical insurance or pay for yourself. Flexible payment plans are available to spread the cost.