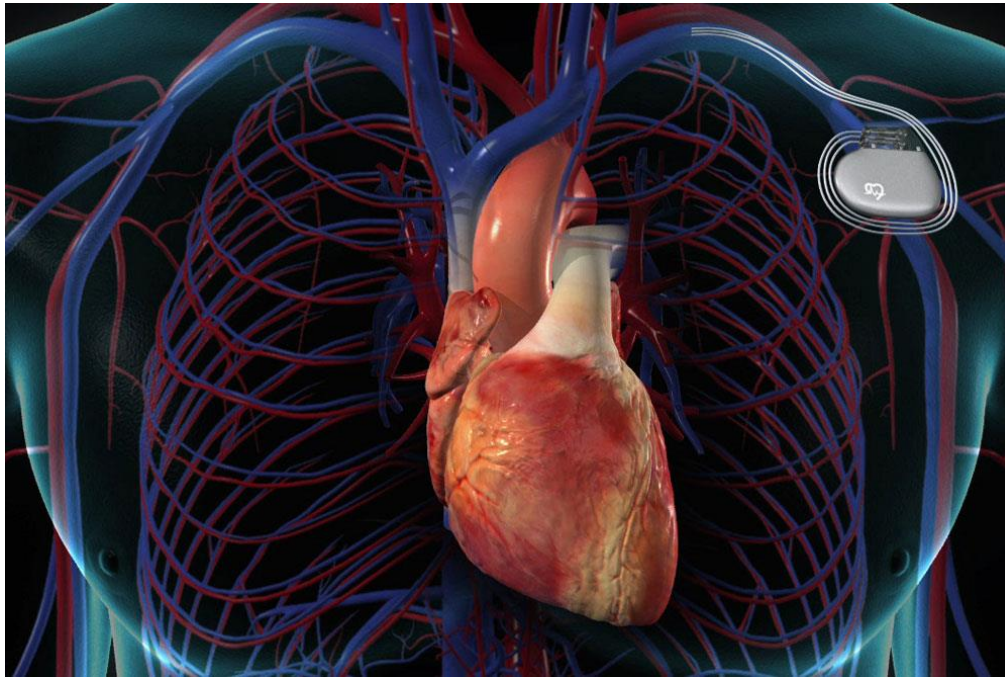


Pacemaker Implantation in Kolkata



Leadless Pacemaker

As the human lifespan increases, the natural pacemaker of the heart and its electrical wiring gradually deteriorate, leading to a higher demand for artificial pacemakers. Conventional pacemakers consist of a pulse generator and one or two leads. The pulse generator is typically implanted beneath the skin on the chest, while the leads are threaded through a vein into the heart. However, one of the main challenges with conventional pacemakers is the risk of lead infections.

To address this issue, leadless pacemakers have been developed. These devices are much smaller and do not require leads. Instead, the entire pacemaker is implanted directly into the heart through a minimally invasive procedure. This approach eliminates the need for chest incisions or general anesthesia, offering a less invasive and safer alternative.