DIPLOMA IN CATH-LAB TECHNICIAN

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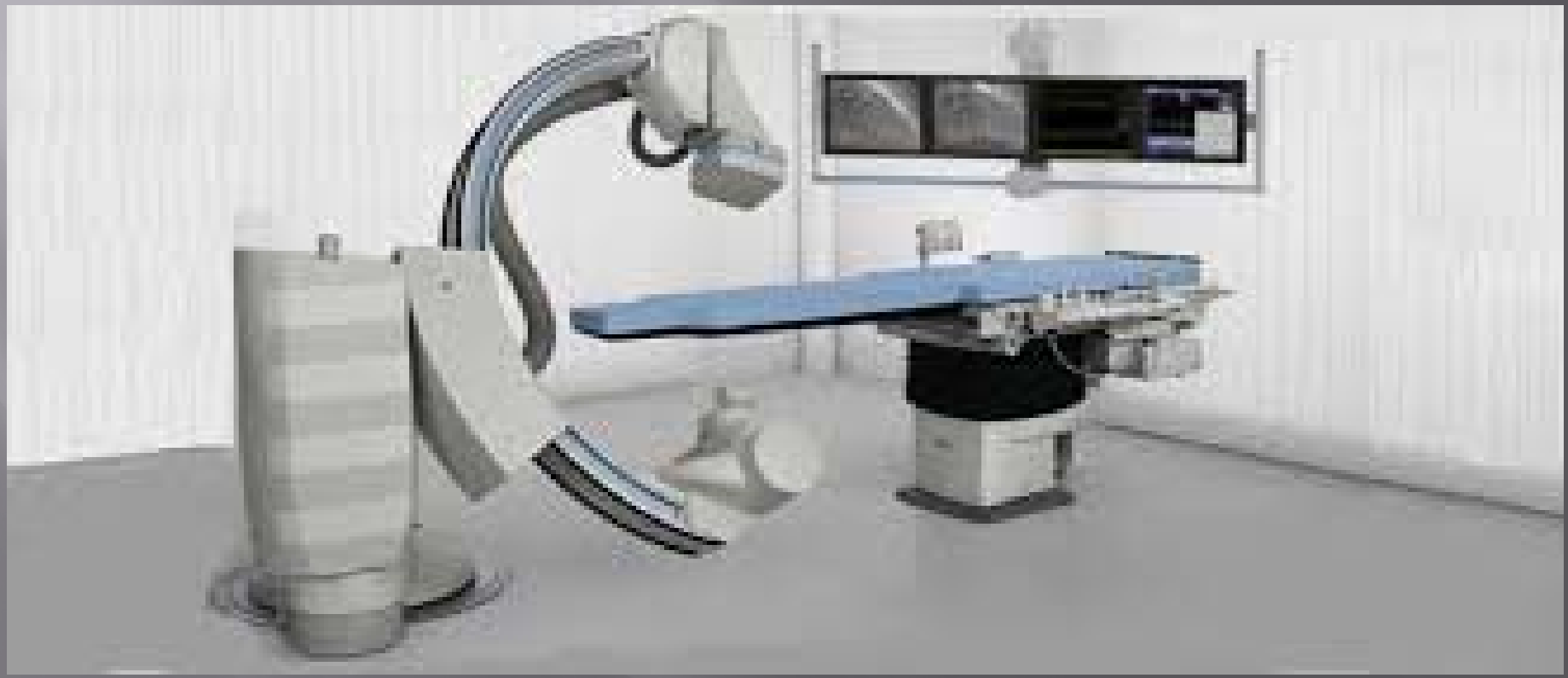
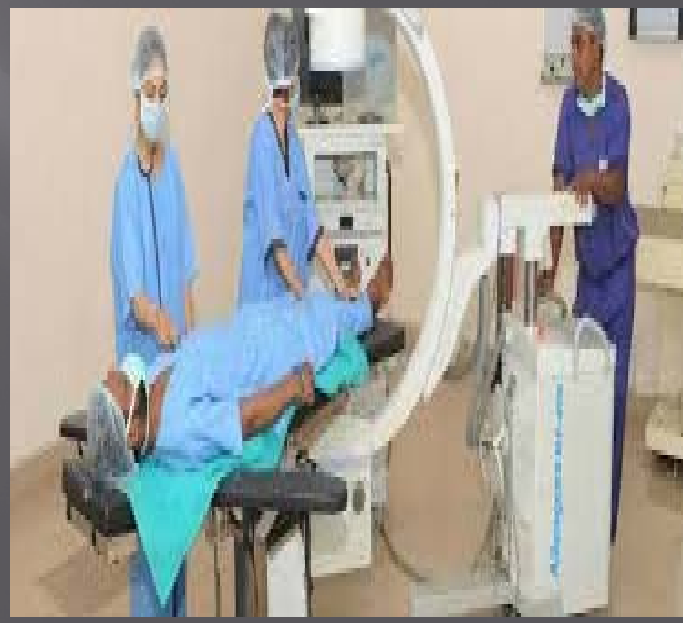


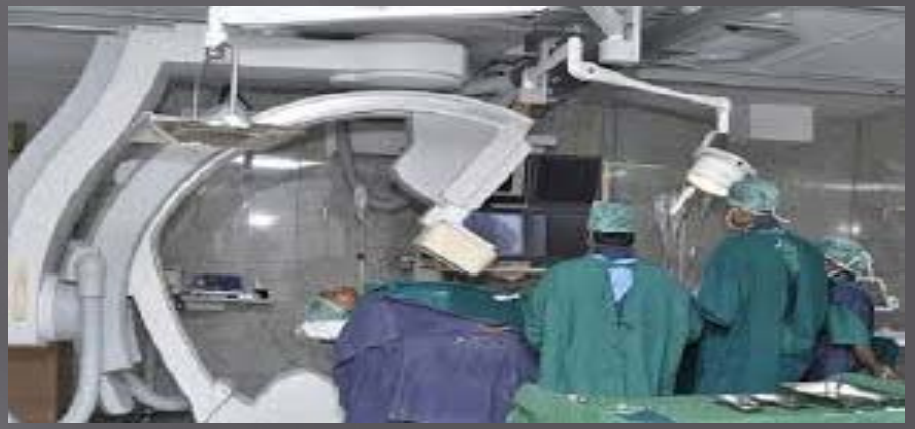
What Is a Cath Lab Technician?

Cath lab technicians, also known as cardiac catheterization technologists, are cardiovascular technologists who work in facilities that run tests on heart health. They assist with the insertion of catheters into the heart, and are responsible for measuring and administering special fluids. These small tubes and fluids are used for tests to determine how well the heart is working. Tests include x-rays, pressure checks, and pumping strength evaluations. The cath lab technician works under the supervision of a physician, and must monitor patients for life-threatening changes during a procedure. Some cath labs also support noninvasive heart health procedures. Learn about the equipment you'd operate as a cath lab technician, and review the training options for the job.



What Does a Cath Lab Technician Do?

As a cath lab technician, also known as a cardiology technician, you will use machines that help diagnose various conditions of the heart. Aside from invasive catheterization, you might also use other machines. One machine, the EKG, will allow you to get a reading by attaching electrodes to a patient's body and recording electrical variations of the heart. You can then supply a printout of that reading to a physician for diagnosis.You may also assist with treadmill stress testing. With this procedure, you record the medical history of the patient, attach the EKG, complete a blood pressure assessment and monitor the performance of the heart while the patient walks on a treadmill. This procedure will observe the effect of increased exertion on the patient's heart while you monitor all of the activity.Beyond working with various types of cardiac equipment, you may also schedule appointments, maintain files and care for equipment. It may be helpful in this field if you have a tendency to pay close attention to details, are precise about recording data and an organized person.



Job Description for Cath Lab Technicians

Cardiovascular technologists spend most of their working time in operating rooms. Although many of the procedures they assist with have become routine, these technologists work in high stress situations due to the fact that should complications arise, the patient can be quickly placed in a life-threatening position. Prior to surgery, the technologist is responsible for ensuring the EKG equipment is in working order, and during the procedure, the technologist will monitor the EKG readouts and keep the doctor apprised of anything considered abnormal. The technologist will also prepare the patient for the procedure by cleaning, shaving, and, in the case of cardiac catheterization for angioplasty, anesthetizing the area of insertion.

In some hospitals, the cardiovascular technologist will assist doctors during open heart surgery, and with the insertion of pacemakers or stents. Again, the technologist will be the one responsible for preparing and monitoring the patient in these instances. Daily non-surgical duties include reading and interpreting test procedures and explaining the procedures to patients. Cardiovascular technologists are exposed to a minor level of radiation in the course of some procedures, but the levels are closely monitored and protected against. During surgical procedures, they spend a great deal of time standing and may be required to help lift and transfer patients.

A perfusionist is required to monitor the levels of oxygen as well as the other gasses which are entering into the blood as to avoid possible coagulation or blood clotting.
A perfusionist is required to monitor the blood circulation and controls its speed.
Another job that a perfusionist has is to take care of the temperature of the patient, which is required to be constant
A perfusionist must take care of the composition of the flowing blood.
A perfusionist must also be careful as to the medications which are to be incorporated along with other blood products as instructed by the doctor in charge
Other jobs include checking on the equipment, managing new orders and supplies and ensuring the proper working of the machines.
A perfusionist is also required to take care of other machines like the ECMO or the extra Corporeal Membrane Oxygenation machine particularly in emergency cases where neither heart or lung or both are not functioning properly.

A perfusionist can earn up to Rs 30,000 depending on the duty.