

Sheath less Coronary Angioplasty through radial artery approach performed at Kohinoor Hospital which is 1st of its kind.

-A major breakthrough in Interventional Cardiology procedures.

On Friday, 4th June 2010, Dr.Narayan Gadkar(an interventional cardiologist at Kohinoor Hospital, Kurla) achieved a Major breakthrough in Interventional Cardiology by performing sheath less coronary angioplasty at Kohinoor Hospital on a 50 year old cardiac patient. Probably this is the 1st time where a sheath less coronary angioplasty is performed through radial approach as no data is reported in literature.

Traditionally for any interventional procedure after access of artery is achieved, a sheath is introduced, through which catheters are inserted or exchanged. In Sheath less procedure, over the access wire directly a diagnostic / therapeutic catheter is introduced into the artery thus decreasing the size of the puncture hole in the artery.

People now-a-days prefer angiography & angioplasty via radial artery route as compared to femoral artery route (groin) because it involves less morbidity, less complications & early patient mobilization post procedure.

Advantages of Sheath less Trans Radial Angiography & Angioplasty:

1. It decreases the puncture size in the radial artery
2. Sheath induced artery spasm, pain & radial artery occlusion is decreased especially in small radial arteries by more than 50%.
3. Intra radial drugs like nitroglycerine causing hypotension need not be given
4. Angioplasty involving larger catheter like 7F which are traditionally done from femoral route in view of small caliber radial artery can be easily performed via radial route by this technique of Sheath less angiography
5. Cost of angiography can be decreased by 10% which makes angiography cost effective.