Our newly devised bipolar needle double syringe is designed for one shot continuous flushing of contrast media and normal saline solution without delay in case of Radionuclide angiography.

The double syringe is disposable which is made of polypropylene resin and set by the side hole bipolar needle. Double syringe is consisted of the outer apparatus for RI injection and the inner apparatus for normal saline solution injection of 20 ml in volume. By using this double syringe the momentary one shot injection of RI bolus and normal saline solution is possible by pressing the plunger without delay.

In addition conventional syringe shield is applicable and exposure of the manipulating fingers to gamma ray is also controlled within minimum level by using the winged infusion set. The total manipulation is simple and one technician is required to complete the whole procedure in comparison with the three-way stopcock procedure.