

Quick Reference Guide Paravalvular Leak Repair

Equipment required

- Left heart pack, Cathlab bundle, PTCA bag, Sterile basin
- 3cc Syringes, 1 Sterile Cup & Kocher, 3 Sterile Bonnets (30x38)
- MEDRAD EQUIPMENT
- Perclose AT
- 8.5Fr Agilis Sheath
- 8Fr Gensini catheter or Goodale
- 8Fr SRO Sheath
- Septal puncture (BRK)
- 7Fr Thermo dilution Swan Ganz Catheter (balloon wedge)
- Toray Guide Wire 230cm
- ProTrack Pigtail Wire
- 6Fr, 8 Fr sheath on RFA/RFV check with MD's
- Glide wire exchange
- 4Fr Glide Terumo Cath
- 6Fr Torqvue 180 delivery
- 18Fr Check-Flo 30cm femoral sheath
- Wire Guide AES 0.035 Str 260cm
- Mustang OTW 6.0x20mm 75cm balloon
- mosquitos

Procedure Flow in Brief (Based on Recent Flow sheet)

**blood on demand

1. Pt arrives in lab. Monitoring of Vital signs commenced
 2. Staff Anesthetist intubates patient under general anesthetic, set up artline as needed
 3. Patient arms kept by their sides
 4. RFA/RFV and LFA cannulated
- ** (check with Md's what access and size of sheath)
5. Shoot coronaries if patient age 35yrs+, LVEDP, LV, then right heart cath for pressures and saturations
 6. TEE performed by Echo Cardiologist to guide BRK needle
 7. 8.5fr Agilis Sheath advanced via RFV to Valvular leak
 8. 8.5Fr fast-cath SRO 63cm femoral sheath- preloaded into Agilis sheath
 9. BRK needle puncture Atrial Septum from RA to LA (make sure have blood on demand)
 10. Protrack pigtail wire
 11. Heparin ordered to be given by Anesthesia, ACT as appropriate
 12. Mustang OTW balloon (check size) selected and advanced, and inflated across Septum
 13. Agilis and SRO positioned

14. 260cm stiff straight guide wire used to locate paravalvular leak with TEE guidance (may have 1 or 2 leaks)
15. 4Fr Terumo glide catheter non-taper
16. 18Fr Check-flo 30cm femoral sheath
17. 6Fr torque 180 delivery system – advance across leak
18. Duct Occluder Amplatz 08/06mm (whatever size, 10 or 08)
19. repeat TEE to confirm device placement