

**Permanent Vascular Access Algorithm Surveillance/Intervention**

Patient name \_\_\_\_\_  
Date \_\_\_\_\_

**Symptoms**

**Clinical indicators**  
 Arm swelling  
 Difficult cannulation  
 Loss of continuous bruit  
 Prolonged bleeding  
 Decreased URR/KT/V x2  
 Recurrent clotting  $\geq 2$ /mo  
 Dialyzer clotting or poor reuse

**Hemodynamic indicators**  
 Dynamic Venous Pressure  
 VP > 140 @ BFR 200 x3  
 Static Venous Pressure  
 VP > 0.5 @ BFR 0 q 2 weeks x3  
 Inability to achieve BFR  
 Recirculation:  
 > 10% (by BUN)  
 > 5% (by Transonic)  
 Intra-access flow decrease:  
 < 600 ml Graft  
 < 450 ml Fistula  
 or drop < 20% below baseline

