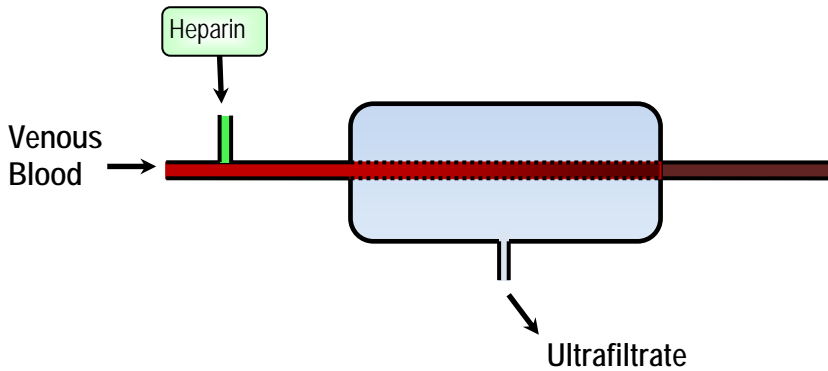


SCUF: Slow Continuous UltraFiltration



- Typically, performed with low blood flow rates (50-200ml/min)
- Ultrafiltration rate is ~ 300 ml/hr (compare that to the 2000 ml/hr effluent removal of CVVH)
- Greatly reduced blood flow rate means you can use a filter with a smaller surface area
- Smaller filter surface area means less anticoagulation is required
- Smaller filter surface and slow flow means very little convective clearance happens – so the blood is not “cleaned” per se; but that’s not the objective anyway. The objective is volume control.
- **SCUF is used to suck excess fluid out of patients with massive fluid overload**

- Uses very low flow
- Uses less anticoagulation
- Doesn't actually remove much solute
- Smaller molecules cleared better than pre-dilutional CVVH, but no better than post-dilution CVVH
- Only about half as good at clearing middle molecules as CVVH