Focus Note

Zero Access Recirculation

Transonic Hemodialysis Monitoring separates vascular access recirculation from cardiopulmonary recirculation (the red curve in the figure).

Measurement technologies which cannot separate these two recirculations always show a false positive reading due to the presence of the cardiopulmonary recirculation.

When vascular access recirculation is detected by the Transonic Hemodialysis Monitor, other clinical or instrumental techniques (surgery, angioplasty, Color Doppler, etc.) confirm the presence of a problem (stenosis).

REFERENCES

Depner TA, Krivitski NM, MacGibbon D, “Hemodialysis Access Recirculation (Rc) Measured by Ultrasound Dilution,” ASAIO J 1995; 41: M749-M753. (Transonic Reference # HD1A)


