

**Supplementary Table 1.** Five-point Likert satisfaction survey for the collaborating dialysis clinics, consisting of 14 questions grouped into four components

Component	No.	Question
Satisfaction with the measurement procedure guidelines	1	What is your opinion on the procedure for measuring “vascular access flow” performed by a vascular nurse specialist?
	2	What is your opinion on the procedure for measuring “tunneled cuffed catheter recirculation” performed by a vascular nurse specialist?
Satisfaction with the recommended management strategies base on vascular access flow problem	3	What is your opinion on the recommended management strategies given by the Dialysis Access Management Centre based on the results of “vascular access flow”?
	4	What is your opinion on the recommended management strategies given by the Dialysis Access Management Centre based on the results of “tunneled cuffed catheter recirculation”?
	5	Do you agree with the “fistulogram” and “angioplasty” arranged by the Dialysis Access Management Centre and Peripheral Vascular Centre based on the critical flow rate (Qa of <500 mL/min for AVF and <600 mL/min for AVG, or Qa declined by more than 25% and <1,000 mL/min over a 3-month period)?
	6	Do you agree with the “angiography” arranged by the Dialysis Access Management Centre and Peripheral Vascular Centre based on the borderline-critical flow rate (Qa of 500–700 mL/min for AVF and 600–800 mL/min for AVG)?
	7	Do you agree with the recommended management strategies of the Dialysis Access Management Centre and Peripheral Vascular Centre for high access flow volume (Qa > 1,800 mL/min for AVF and AVG)?
	8	Do you agree with the recommended management strategies of the Dialysis Access Management Centre for “tunneled cuffed catheter recirculation and Kt/V less than 1.2”?
	9	Do you agree with the recommended procedure by the Dialysis Access Management Centre for referring patients with ‘problem vascular access flow’ to Peripheral Vascular Centre?
Satisfaction of intervention and arrangement upon identification of vascular access flow problem	10	Are you satisfied with the vascular access treatment outcomes by Peripheral Vascular Centre?
	11	What is your opinion on the waiting time for ‘vascular access stenosis (stopped) and patient treatment’ at the Peripheral Vascular Centre?
	12	What is your opinion on the outcomes for ‘vascular access stenosis (stopped) and immediate rescue and treatment of patient’ at the Peripheral Vascular Centre?
	13	What is your opinion on the outcomes for “percutaneous transluminal angioplasty” for alleviation of pain provided by Peripheral Vascular Centre?
Willingness to continue with the collaborative program	14	Other suggestions: Will you continue to collaborate with our hospital?

AVF, arteriovenous fistula; AVG, arteriovenous graft; Qa, vascular access flow rate.