



Chronic Maintenance In-Center Hemodialysis Standing Orders

1. Target Weight

All new patients will have an initial assessment.

2. Access:

a. Cannulation of surgically created AV Fistulas

In order to initiate cannulation of a new surgically created AV Fistula, the access must meet the following criteria as assessed by a Registered Nurse:

- At least six weeks from date of creation
- Greater than 1" total palpable length
- 6mm or greater diameter
- 6mm or less depth

b. Cannulation of AV Grafts

In order to initiate cannulation of new AV Grafts, the access must meet the following criteria as assessed by a Registered Nurse:

- At least two weeks from date of installation
- 6mm or less depth

c. If cannulation criteria are met, proceed with access cannulation.

d. If cannulation criteria are not met, contact surgeon or nephrologist to discuss access plan.

e. For percutaneous AVFs (e.g. Ellipsys or WavelinQ), contact nephrologist for orders for use prior to cannulation

f. Guidelines for Cannulation as follows:

- Aim for experienced staff to cannulate new accesses for the first six runs.
- Refer to nephrologist or surgeon for CVC removal after three consecutive treatments with two needles
- Adjust blood flow rates to needle gauge per table below or as ordered by MD:

Blood Flow rates to Needle Gauge	
200-250ml/min	17 gauge
>250-350ml/min	16 gauge
>350-450ml/min	15 gauge

iv. AV Fistula week one – use 17g needle for arterial, CVC for venous return OR 17g needles for both A&V if approved by Registered Nurse

v. AV Fistula weeks two and three – 16g needles for both A&V if approved by Registered Nurse

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- vi. AV Fistula weeks four and ongoing – advance to 15g needles if approved by Registered Nurse
- vii. AV Graft week one – 16g needles for both A&V
- viii. AV Graft weeks two and ongoing – 15g needles

J Access Infiltration

- L Apply cold pack per policy for infiltrations related to access punctures.
- L Refer to access dysfunction algorithm.
- L Notify nephrologist if infiltration occurs that prevents dialysis provision that day or if infiltration occurs in new AVF (first 2 weeks of cannulation).

Machine Parameters/Default Settings

- Bicarbonate: 33 meq/L
- Sodium: 135 meq/L
- Potassium: per MD order
- QD: 600 ml/min or per MD order
- Qb: per MD order. The delta of Qb to QD must be a minimum of 200 ml/min.
- Temperature default: 37 degrees Centigrade

Guidelines for use of 1 K+ baths on prevalent patients is as follows:

- D A 1K+ bath can only be prescribed for patients whose pre-dialysis serum potassium level is equal or greater than 6.0mEq/L and requires a physician order.
- E If pre-dialysis potassium level is >6.0 or < 3.0 or patient is placed on a 1 K bath, both the patient and the registered dietitian should be notified by nursing staff.
- F The bicarbonate machine setting must be set at 33meq/L (or lower if ordered by MD) for 1K+baths
- G The serum potassium will be checked every week while the patient is on a 1K+ dialysate bath (ICD10 = E87.5)
- H When on a 1K+ bath and the serum potassium level falls below 6.0 for two consecutive blood draws,

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Unusual dialysis run refers to:

- Substantially shortened dialysis session: A dialysis session of less than 2 hours in duration
 - Extra dialysis run
 - SUF: UF only run, or a sequential UF and dialysis that is not the patient's routine prescription.
- b. If the spKt/V result on the routine monthly lab is less than 1.2, check to make sure the dialysis time is at 4 hours or longer appropriately sized dialyzer is in use, and the Qb is 300 ml/min or higher.

Repeat the spKt/V at the next dialysis. If spKt/V is still less than 1.2 then call the nephrologist for orders.

8. Laboratory Tests PRN

- a. Blood Cultures: (ICD10 = R50.9 fever)
- i. Patients with a CVC and: a temperature greater than 100.0 F degrees (37.8C) or rigors, draw TWO sets of blood cultures from the access/bloodlines at least 5 minutes apart. Notify MD by phone.
 - ii. Patients without a CVC with a temperature greater than 100.0 F (37.8C) Call MD for orders.
- b. Water and Dialysate Cultures/LAL and c.32 0 Td4T6 3 Tc (c.32 .43 0 Tul 1.24 0

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