


Name of Policy:	<u>Kinetic Modeling for Chronic Hemodialysis Patients</u>	 Effective Date: 10/1/2023 Initial Effective Date: April 25, 1991
Policy Number:	3364-118-30	
Department:	End Stage Renal Disease Program/ Hemodialysis (Nursing Service)	
Approving Officer:	Chief Nursing Officer (CNO)	
Responsible Agent:	Nursing Director, Hemodialysis Unit	
Scope:	The University of Toledo Medical Center	
<input type="checkbox"/> New policy proposal <input checked="" type="checkbox"/> Minor/technical revision of existing policy		
<input type="checkbox"/> Major revision of existing policy <input type="checkbox"/> Reaffirmation of existing policy		

(A) Policy Statement

Chronic hemodialysis outpatients will be evaluated for adequacy of hemodialysis on a monthly basis.

(B) Purpose of Policy

To assess the need for changes in hemodialysis orders and/or effectiveness of interdisciplinary care for patients with end stage renal disease.

(C) Procedure

Acceptable methods include:

1. Pre/Post serum urea nitrogen (BUN) - monthly

- Draw pre and post dialysis BUN on the first Monday or Tuesday of each month
- Urea reduction ratio (URR) is a current standard for adequacy of hemodialysis in the adult. These results will be discussed at the next patient care conference.

$$\text{Pre} - \frac{\text{Post}}{\text{Pre}} = \text{URR}$$

2. Kinetic Modeling - Monthly

- Obtain monthly labs after a long weekend which includes pre BUN of same treatment. Record weight, height and duration of treatment.
- Enter data in KT/V Daugirdas Calculator and compute KT/V for treatment.
- Goal of KT/V = 1.2.

Approved by: /s/ _____ Date _____ Kurt Kless, MSN, MBA, RN, NE-BC Chief Nursing Officer Review: Policy & Standard Committee, 11/11, 11/14, 11/2017, 9/2020, 10/2023 Revision Completed By: Tana Cepek, Lead RN, Hemodialysis Unit		Review/Revision Date: 2/93 11/17 6/94 9/2020 4/95 10/2023 4/96 3/97 10/98 2/00 7/02 7/03 7/05 11/06 1/23/2008 11/11 11/14 Next Review Date: 10/1/2026
Policies Superseded by This Policy:		

It is the responsibility of the reader to verify with the responsible agent that this is the most current version of the policy.