Name of Policy: **Kinetic Modeling for Chronic Hemodialysis Patients** **Policy Number**: 3364-118-30 **Approving Officer**: Chief Executive Officer Chief Nursing Officer **Responsible Agent**: Nursing Director Hemodialysis Unit **Scope**: The University of Toledo Medical Center	UTOLEDO HEALTH **Effective date:** October 1, 2026 **Original effective date**: April 25, 1991
Key words:	

	New policy proposal		Minor/technical revision of existing policy
	Major revision of existing policy	X	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.

(a) Draw pre and post dialysis BUN on the first Monday or Tuesday of each month.
(b) 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.

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

Approved by:

/s/
Daniel Barbee, MBA, BSN, RN, FACHE
Chief Executive Officer

Date

/s/
Kurt Kless, MSN, MBA, RN, NE-BC
Chief Nursing Officer

Date

Review/Revision Completed by:
Tana Cepek, Lead RN Hemodialysis Unit

Policies Superseded by this Policy:

- *None*

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