

This is an amendment to 16.12.4 NMAC, Sections 7, 8, 9, 10, 11, 14, and 16 effective 1/1/2026.

16.12.4.7 DEFINITIONS:

A. Definitions beginning with the letter A:

- (1) **"administrator"**, means an operating officer of an agency with the authority to make notification of change to the New Mexico board of nursing;
- (2) **"agency"**, means a business, organization or facility at specified location that is approved by the New Mexico board of nursing to train hemodialysis technician students;
- (3) **"approval"**, means action taken by the board to accept and grant specific recognition.
- (4) **"audit"**, means a verification of continuing education documents and work hour requirements.

B. Definitions beginning with the letter B: "board", means New Mexico board of nursing (NMBON).

C. Definitions beginning with the letter C:

- (1) **"central venous catheter"**, means a synthetic tube place into a high flowing central vein used to provide hemodialysis;
- (2) **"certificate"**, means a document issued by the board identifying legal privilege and authorization to perform specific certified hemodialysis technician functions and procedures in the state of New Mexico;
- (3) **"certification examination"**, means a board-approved tool designed to evaluate an applicant's knowledge of a specific subject;
- (4) ~~["certified hemodialysis technician (CHT)", refers to a person who has received national certification and is certified by the board to assist in the direct care of patients undergoing hemodialysis, under the supervision and at the direction of a registered nurse according to the rules adopted by the board;]~~
"certified hemodialysis technician -national certificate (CHT-NC)", refers to a person who has received national certification and is certified by the board to assist in the direct care of patients undergoing hemodialysis, under the supervision and at the direction of a registered nurse according to the rules adopted by the board;
- (5) **"certified hemodialysis technician I (CHT I)"**, refers to a person who is certified by the board to assist in the direct care of patient undergoing hemodialysis under the supervision and direction of a registered nursing according to the rules adopted by the board;
- ~~[(6) "certified hemodialysis technician II (CHT II)": refers to a person who has met the requirements of a certified hemodialysis technician (CHT) and has successfully completed the training for the expanded scope of practice as defined in the rules from an approved hemodialysis technician training program and receives certification from the board for the expanded scope of practice;~~
- ~~_____ (7)]~~ **(6) "clinical experience"**, refers to the supervised skills component of the hemodialysis training program;
- ~~[(8)]~~ **(7) "clinical preceptor"**, means a registered nurse who supervises and observes hemodialysis technician students providing hemodialysis patient care;
- ~~[(9)]~~ **(8) "competency"**, means the demonstration of knowledge in a specific area and the ability to perform specific skills and tasks in a safe, efficient manner;
- ~~[(10)]~~ **(9) "continuing education (CE)"**, means a planned learning experience for certified hemodialysis technicians which includes experiences designed to promote the development, knowledge, skills, and attitudes for the enhancement of care to the patient and may be offered by the nurse educator of the agency;
- ~~[(11)]~~ **(10) "contact hour"**, means a unit of measurement to describe an approved organized learning experience. One contact hour is equivalent to a continuous 60 minute clock hour;
- ~~[(12)]~~ **(11) "curriculum"**, means a detailed course outline, description or syllabus, which, includes objectives, content, teaching-learning activities and evaluation strategies, and includes the minimum required program hours.

D. Definitions beginning with the letter D:

- (1) **"delegation"**, means transferring to a competent individual the authority to perform a delegated nursing task in a selected situation. The licensed nurse retains accountability for the delegation;

(2) **“direct supervision”**, refers to the supervision by a licensed nurse who is physically present, and readily accessible to the certified hemodialysis technician and hemodialysis technician student when providing patient care. Direct supervision includes observing, evaluating and directing the care being provided.

E. Definitions beginning with the letter E: [RESERVED]

F. Definitions beginning with the letter F: “faculty”, means any professional or paraprofessional person(s) who teaches for the hemodialysis technician program including clinical preceptors.

G. Definitions beginning with the letter G: [RESERVED]

H. Definitions beginning with the letter H: “hemodialysis technician training program”, means an educational program approved by the board for persons seeking certification as hemodialysis technicians.

I. Definitions beginning with the letter I: [RESERVED]

J. Definitions beginning with the letter J: [RESERVED]

K. Definitions beginning with the letter K: [RESERVED]

L. Definitions beginning with the letter L: “license”, means a document identifying the legal privilege and authorization to practice within a **professional category**.

M. Definitions beginning with the letter M: [RESERVED]

N. Definitions beginning with the letter N:

(1) **“national certification”**, means a certification obtained by completing an examination through a nationally recognized certifying organization which indicates a certified hemodialysis technician has knowledge and competence in providing care to patients undergoing hemodialysis as evidenced by passing an examination and maintaining a minimum number of work hours and continuing education during the renewal period;

(2) **“nurse educator”**, means the registered nurse who is responsible for the development, implementation and evaluation of a hemodialysis technician training program and retains ultimate responsibility for determining hemodialysis technician student’s competency.

O. Definitions beginning with the letter O: [RESERVED]

P. Definitions beginning with the letter P:

(1) **“program evaluation”**, means the process whereby the program at the agency is evaluated at the request of the board for approval status;

(2) **“program review”**, means the routine process whereby the program at the agency is reviewed prior to the approval expiration date to assure compliance with the rules and regulations governing hemodialysis technician programs. This may include a site visit with or without official notification to the agency.

Q. Definitions beginning with the letter Q: [RESERVED]

R. Definitions beginning with the letter R:

(1) **“reactivation”**, the process of making a certificate current which has been in a lapsed status as result of the certificate holder failing to comply with renewal requirements. This does not involve board action;

(2) **“reinstatement”**, means the process whereby a certificate which has been subject to revocation or suspension is returned to its former status by individual board action; this process always involves board action.

S. Definitions beginning with the letter S:

(1) **“site visit”**, means visit made directly to the hemodialysis technician training program by board staff;

(2) **“standards of function”**, means a range of tasks or activities performed by certified hemodialysis technicians for patients who are stable and predictable, supervised by a licensed registered nurse who may need to limit the range of tasks based on the patient’s needs.

T. Definitions beginning with the letter T: [RESERVED]

U. Definitions beginning with the letter U: [RESERVED]

V. Definitions beginning with the letter V: [RESERVED]

W. Definitions beginning with the letter W: [RESERVED]

X. Definitions beginning with the letter X: [RESERVED]

Y. Definitions beginning with the letter Y: [RESERVED]

Z. Definitions beginning with the letter Z: [RESERVED]

[16.12.4.7 NMAC - Rp, 16.12.4.7 NMAC, 12/13/2022, A, 5/21/2024, A, 1/1/2026]

16.12.4.8 FEES: Payment of fees will be accepted in the form as specified by the board. The initial application fee will be for a period of one year, plus the months to the applicant's birth month. Fee may be collected in whole or prorated to commensurate with the length of the renewal period. Fees are not refundable.

A.	Application for certification examination or national certification	\$45.00
B.	Re-examination	\$30.00
C.	Renewal of certificates	\$45.00
D.	Reactivation from lapsed or inactive status	\$60.00
E.	Reinstatement of certificate following board action	\$60.00
[F.]	Initial certificate military personnel, spouse, dependent, or veteran	\$0
G.]	First renewal of certificate military personnel, spouse, dependent, or veteran	\$0]
[H.] F.	Initial program review for approval	\$250.00
[I.] G.	Program review per agency	\$200.00
[J.] H.	Subsequent review due to a change in board policy or rules	\$50.00
[K.] I.	Periodic program evaluation or program review per agency	\$200.00

[16.12.4.8 NMAC - Rp, 16.12.4.8 NMAC, 12/13/2022, A, 1/1/2026]

16.12.4.9 CERTIFICATION REQUIREMENTS FOR HEMODIALYSIS TECHNICIANS: New Mexico certification of hemodialysis technicians is mandatory.

- A.** Prerequisites:
- (1) Hold a high school diploma or have proof of successfully passing a general education development test.
 - (2) The applicant for certified hemodialysis technician will demonstrate completion of adequate training by:
 - (a) submitting proof of successful completion of a board approved hemodialysis technician training program; or
 - (b) submitting proof of a valid national hemodialysis technician certificate from a recognized organization.
 - (3) Submit the required application to the agency with required fees.
- B.** Applications and fees:
- (1) Board staff will verify eligibility. Applications received by the board staff are valid for one year.
 - (2) Applications containing fraudulent or misrepresented information could be the basis for denial of certification.
 - (3) Incomplete applications for certification will not be processed. The applicant will be notified within 30 days of submission of application about incomplete information.
 - (4) Written verification of successful completion according to the minimum standards for approval of hemodialysis technician programs indicating the date of completion must be received, directly from the hemodialysis technician program, and signed by the nurse educator within 30 days of completion.
 - (5) The applicant will request that the national certifying body for hemodialysis technicians send verification directly to the board.
 - ~~[(6)]~~ ~~A re-examination fee will be charged for all re-examinations of the state-based examination.~~
 - ~~[(7)]~~ (6) An initial certificate shall be valid until the last day of the applicant's birth month after the first anniversary of the initial certificate.
- C. Initial certification for CHT-NC:**
- (1) Hold a high school diploma or have proof of successfully passing a general education development test.
 - (2) The applicant must submit proof of a valid national hemodialysis technician certificate from a recognized organization. If the applicant passes the national hemodialysis technician examination, the applicant cannot work as a CHT until the certificate has been issued by the board.
 - (3) Attestation from the agency nurse educator that the applicant has been oriented to the scope of function of the certified hemodialysis technician.
 - (4) An initial certificate shall be valid until the last day of the applicant's birth month after the first anniversary of the initial certificate.
- D.** Endorsement:

(1) If an applicant holds hemodialysis certification from another jurisdiction in the United States, the application must:

- (a) meet all the prerequisites;
- (b) submit verification from another jurisdiction directly to the board that certificate is in good standing. If the applicant is unable to provide verification, then the applicant must follow the process for initial certification;
- (c) submit the required application and fee.

(2) An initial certificate shall be valid until the last day of the applicant's birth month after the first anniversary of the initial certificate.

E. Requirements for hemodialysis technicians' renewal:

(1) Certified hemodialysis technicians (CHT Is) renewing their certificate shall be required to complete the process by the end of their renewal month. CE and work hour requirements may be prorated to commensurate with the length of the renewal period.

- (a) Failure to receive a notification for renewal shall not relieve the CHT I of the responsibility of renewing the certificate by the expiration date.
- (b) If the certificate is not renewed by the end of the renewal month, the CHT I does not hold a valid certificate and shall not function as a CHT I in New Mexico until the lapsed certificate has been reactivated.
- (c) If a CHT I certificate holder has a national certification as a hemodialysis technician, for the first renewal after 12/31/2023, the certificate will be transitioned to a CHT-NC certificate. The CHT I must fulfill continuing education and work requirements to complete the transition.
- (d) If the CHT I certificate holder does not have national certification as a hemodialysis technician, the certificate will remain a CHT I. If the CHT I certificate is allowed to lapse and remain inactive for more than one year past the expiration date, the CHT I certificate holder must complete the hemodialysis technician training program and meet the requirements for the CHT-NC certificate, including obtaining a valid national hemodialysis technician certificate from a recognized organization.

(2) Certified hemodialysis technicians II (CHT IIs) renewing their certificate shall be required to complete the process by the end of their renewal month. CE and work hour requirements may be prorated to commensurate with the length of the renewal period. CHT II certificate holder for the first renewal period after 12/31/2023, will transition to a CHT-NC certificate.

- (a) The CHT II must fulfill continuing education and work requirements to complete the transition to CHT-NC.
- (b) If the CHT II certificate is allowed to lapse and remain inactive for more than one year past the expiration date, the CHT II certificate holder must complete the hemodialysis technician training program and meet the requirements for the CHT-NC certificate, including obtaining a valid national hemodialysis technician certificate from a recognized organization.

(3) Certified hemodialysis technicians (CHTs) renewing their certificate shall be required to complete the process by the end of their renewal month. CE and work hour requirements may be prorated to commensurate with the length of the renewal period.

- (a) The CHT-NC must supply a current valid national hemodialysis technician certificate from a recognized organization. For the CHT II who transitioned to CHT without a national certification, passing the state based CHT II examination will substitute for the national certification.
- (b) If the CHT-NC certificate is allowed to lapse and remain inactive for more than one year past the expiration date, the CHT-NC certificate holder must complete the hemodialysis training program and meet the requirements for the CHT-NC certificate, including obtaining a valid national hemodialysis technician certificate from a recognized organization.

(4) Continuing education requirements:

- (a) 16 contact hours of continuing education must be accrued within the 24 months immediately preceding renewal. CE may be prorated to commensurate with the length of the renewal period.
- (b) Recertification by a national CHT certifying body will meet the mandatory CE requirements for New Mexico certification renewal. Continuing education obtained for national certification is applicable if completed during the renewal period.
- (c) Continuing education records are subject to audit by the board. Certificate holders may be subject to disciplinary action by the board if non-compliant within 60 days of the first notification of the audit.

(d) ~~[CHT and CHT II]~~ CHT-NC shall accrue four additional contact hours of continuing education within the 24 months that preceded the expiration of the certificate. These additional contact hours must be specific to their expanded scope of function and may be prorated to commensurate with the length of the renewal period if less than 24 months.

(5) Work requirement: Applicant must provide evidence of a minimum of 1,000 hours work as a ~~[CHT, CHT I, or CHT II]~~ CHT-NC or CHT I during the 24 month period immediately preceding certification renewal.

(a) Work requirement records are subject to audit by the board. Work hours may be prorated to commensurate with the length of the renewal period if less than 24 months.

(b) Certificate holders may be subject to disciplinary action by the board if noncompliant within 60 days of the first notification of the audit.

(6) Remit the required fee.

(7) Failure to meet the continuing education or employment requirements for recertification shall result in denial of recertification until reactivation requirements are met.

F. Reactivation of certificate for ~~[CHT, CHT I, or CHT II]~~ CHT-NC or CHT I:

(1) If the certificate has been inactive for less than one year, the applicant may reactivate the license by submitting an application for reactivation, paying the required fee, and submitting proof of required continuing education contact hours for a 24 month certificate period and required work hours.

(a) In substitution of continuing education and work hours, the applicant for reactivation of a CHT I certificate may take a refresher course.

(b) In addition, a ~~[CHTs]~~ CHT-NC lapsed certificate holder must submit a valid national hemodialysis technician certificate from a recognized organization.

(2) If the ~~[CHT, CHT I, or CHT II]~~ CHT-NC or CHT I certificate is allowed to lapse and remain inactive for more than one year past the expiration date, the CHT certificate holder must complete the hemodialysis training program and meet the requirements for the CHT-NC certificate, including obtaining a valid national hemodialysis technician certificate from a recognized organization.

G. Refresher course requirements:

(1) Completion of a minimum of 80 hours of supervised clinical practice in a board approved hemodialysis technician training program under the supervision of an approved clinical preceptor.

(2) Successful completion of the hemodialysis technician training program's skills list identified in the core curriculum 16.12.4.16 NMAC.

(3) Successful completion of the hemodialysis technician training program final examination.

(4) Written verification, on agency letterhead, of successful completion of supervised clinical practice, skills list, and the final examination results shall be provided to the board by the program's board-approved nurse educator.

(5) Completion of a refresher course shall meet both the employment and continuing education requirements for the reactivation of the CHT I certificate.

(6) Remit the required application and fee.

[16.12.4.9 NMAC - Rp, 16.12.4.9 NMAC, 12/13/2022, A, 5/21/2024, A, 1/1/2026]

16.12.4.10 STANDARDS OF FUNCTION FOR THE CERTIFIED HEMODIALYSIS TECHNICIAN:

A. Purpose:

(1) To establish standards for supervision and direction of the ~~[CHT, CHT I, or CHT II]~~ CHT-NC or CHT I.

(2) To identify basic functions for the ~~[CHT, CHT I, or CHT II]~~ CHT-NC or CHT I.

(3) To identify the authorized and prohibited functions for the ~~[CHT, CHT I, or CHT II]~~ CHT-NC or CHT I.

(4) To identify the expanded role of the ~~[CHT II and CHT]~~ CHT-NC and CHT I.

B. Authorized functions of the CHT I with supervision of a registered nurse:

(1) perform arteriovenous punctures for dialysis access;

(2) inject intradermal lidocaine in preparation for dialysis access;

(3) administer a heparin bolus;

(4) administer a fluid bolus of isotonic saline;

(5) connect a dialysis access to isotonic saline or heparinized isotonic saline;

(6) administer oxygen via nasal cannula or mask;

(7) collect data for the nursing assessment;

(8) initiate and discontinue treatment via arterio-venous access;
 (9) re-infusion of blood upon termination of treatment of central venous catheters.
 C. Authorized functions of the [~~CHT II and CHT I~~] CHT-NC and CHT I with the supervision of a registered nurse:

- (1) perform arteriovenous punctures for dialysis access;
- (2) initiate, monitor, and discontinue dialysis via central venous catheter;
- (3) inject intradermal lidocaine in preparation for dialysis access;
- (4) administer a heparin bolus via intravenous route;
- (5) administer a fluid bolus of isotonic saline;
- (6) connect a dialysis access to isotonic saline or heparinized isotonic saline;
- (7) administer oxygen via nasal cannula or mask;
- (8) collect data for the nursing assessment;
- (9) initiate and discontinue treatment via arterio-venous access;
- (10) re-infusion of blood upon termination of treatment of central venous catheters;

D. Prohibited functions of the [~~CHT, CHT I, or CHT II~~] CHT-NC or CHT I:
 (1) shall not administer medications by oral, intramuscular, intravenous or subcutaneous routes except those agents addressed in authorized functions of these rules;
 (2) shall not take orders for dialysis treatments;
 (3) shall not alter dialysis orders as prescribed by a health care provide
 (4) CHT I shall not initiate or discontinue via central venous catheters.
 (5) shall not perform hemodialysis treatments without direct supervision of a registered nurse.

[16.12.4.10 NMAC - Rp, 16.12.4.10 NMAC, 12/13/2022, A, 5/21/2024, A, 1/1/2026]

16.12.4.11 DISCIPLINARY ACTION: The board shall conduct hearings upon charges relating to discipline of a [~~CHT, CHT I, or CHT II~~] CHT-NC or CHT I, and may deny, place on probation, suspend or revoke a hemodialysis technician certificate in accordance with the Uniform Licensing Act Section 61-1-1 NMSA 1978 and 16.12.12 NMAC.

A. Grounds for disciplinary action:
 (1) "Incompetence" which is defined to include, but not limited to, the following:
 (a) inability to function with reasonable skill and safety as a [~~CHT, CHT I, or CHT II~~] CHT-NC or CHT I for any reason including, but not limited to, the use of drugs, alcohol or controlled substances which could impair judgment;
 (b) performance of unsafe or unacceptable care of patients receiving dialysis treatments or failure to conform to the essential and prevailing standards of [~~CHT, CHT I, or CHT II~~] CHT-NC or CHT I;
 (c) omitting to record information regarding procedures performed and care provided which could be relevant to the patient's care;
 (d) failure to report information regarding the consumer's treatment or health status to appropriate person which could be relevant to the patient's care and status;
 (e) demonstrating a lack of competence in providing care to patient's receiving a dialysis treatment.
 (2) "Unprofessional conduct", which is defined to include, but not limited to, the following:
 (a) falsifying or altering patient records or personnel record for the purpose of reflecting incorrect or incomplete information;
 (b) misappropriation of money, drugs, or property;
 (c) obtaining or attempting to obtain any fee for patient services for one's self or for another through fraud, misrepresentation or deceit;
 (d) obtaining, possessing, administering or furnishing prescription drugs to any person, including, but not limited to one's self, except as directed by a person authorized by law to prescribe;
 (e) obtaining or attempting to obtain a certificate to function as a CHT, CHT I or CHT II for one's self or for another through fraud, deceit, misrepresentation or any other act of dishonesty in any phase of the certification or recertification process;
 (f) functioning as a [~~CHT, CHT I, or CHT II~~] CHT-NC or CHT I in NM without a valid, current New Mexico certificate, or aiding, abetting or assisting another to function as a CHT, CHT I and CHT II without a valid, current New Mexico certificate;

(g) failure to report a [~~CHT, CHT I, or CHT II~~] CHT-NC or CHT I who is suspected of violating the NPA or rules for certification of hemodialysis technicians;
(h) exceeding the scope of function of a [~~CHT, CHT I, or CHT II~~] CHT-NC or CHT I;

(i) intentionally abusing, neglecting or exploiting a patient;
(j) intentionally engaging in sexual contact toward or with a patient;
(k) felony conviction;
(l) dissemination of a patient's health information or treatment plan acquired during the course of employment to individuals not entitled to such information and where such information is protected by law or hospital/agency policy from disclosure;
(m) failure to maintain appropriate professional boundaries which may cause harm to the patient.

B. Disciplinary proceedings are conducted in accordance with 16.12.2 NMAC Nurse Licensure. [16.12.4.11 NMAC - Rp, 16.12.4.11 NMAC, 12/13/2022, A, 1/1/2026]

16.12.4.14 MINIMUM STANDARDS FOR APPROVAL OF HEMODIALYSIS TECHNICIAN PROGRAMS:

A. Objectives: There shall be written objectives for the program which serve as the basis for planning, implementing and evaluating the program.

- (1) The objectives shall be developed by the nurse educator.
- (2) The program objectives shall describe the knowledge and skills expected of the [~~CHT, CHT I, or CHT II~~] CHT-NC or CHT I, and shall be consistent with the authorized functions of the [~~CHT, CHT I, or CHT II~~] CHT-NC or CHT I and the board approved core curriculum. After 12/31/2023, all programs must include curriculum consistent with [~~CHT and CHT II~~] scope of function.
- (3) The program objectives shall be reviewed annually and revised as necessary by the nurse educator.

B. Curriculum:

- (1) The curriculum shall be developed, implemented and evaluated by the nurse educator within the framework of the rules and the core knowledge statements.
- (2) The curriculum shall extend over a period of time sufficient to provide essential, learning experiences which enable a hemodialysis technician student to develop competence in hemodialysis practice.
- (3) There shall be a minimum of 80 hours of theory, and a minimum of 160 hours of supervised clinical experience for CHT I.
- (4) Supervised clinical experience shall provide opportunities for the application of theory and for the achievement of stated objectives in a health care setting and shall include clinical learning experiences to develop the skills required by technicians to provide safe care. The nurse educator or clinical preceptor must be physically present and accessible to the hemodialysis technician student when the hemodialysis technician student is caring for the patient undergoing hemodialysis.
- (5) The nurse educator shall develop a written plan for curriculum and program evaluation.
- (6) The [~~CHT and CHT II~~] CHT-NC and CHT I curriculum shall include a minimum of 16 additional hours of theory related to the expanded scope of practice and a minimum of 80 additional hours of supervised clinical experience. The clinical experience will include the initiation, monitoring and disconnection of a central venous catheter for a minimum of 20 times. The nurse educator must verify the successful completion of training with a written letter to the board with the application to test.

C. Administration and organization:

- (1) The hemodialysis technician training program shall provide hemodialysis technician students opportunities to acquire clinical experiences caring for patients receiving hemodialysis at a licensed and accredited facility. These experiences should enhance the hemodialysis technician students' clinical skills and knowledge base and be under the direct supervision of a registered nurse.
- (2) Each program shall have a board approved nurse educator to administer the program who shall be responsible for the development, implementation, teaching and evaluation of the program, arrangements for and supervision of student's clinical experiences and communication with the board and the hemodialysis technician advisory committee.

D. Qualifications and competencies of faculty:

- (1) The nurse educator shall be a registered nurse and shall hold a current New Mexico or multistate license to practice nursing in New Mexico or hold a current compact state license.

(2) The nurse educator shall have at least two years of recent nursing practice experience including at least one year of nursing experience in hemodialysis. Previous nursing experience in nursing education is desirable.

(3) The nurse educator shall have a minimum of nine contact hours of continuing education annually in nephrology, or have current national certification in nephrology or dialysis.

(4) All new approved nurse educators shall participate in an orientation that is presented by the board staff.

(5) Clinical preceptor(s) shall be a registered nurse and shall hold a current New Mexico nursing license or hold a current compact state license.

(a) Clinical preceptors shall have at least one year of nursing practice experience including at least six months of nursing experience in dialysis.

(b) Clinical preceptors shall demonstrate knowledge and skills in dialysis nursing.

(6) A certified hemodialysis technician under supervision of the nurse educator or approved clinical preceptor may be assigned to assist with the clinical experience/orientation of hemodialysis technician trainees.

(7) The nurse educator or the clinical preceptor must be physically present in the agency while students are engaged in the clinical experience.

(8) A nurse educator may delegate classroom instruction to other agency affiliated approved program nurse educators.

[16.12.4.14 NMAC - Rp, 16.12.4.14 NMAC, 12/13/2022, A, 1/1/2026]

16.12.4.16 HEMODIALYSIS TECHNICIAN CURRICULUM SUBJECT AREAS:

A. Required subject areas After 12/31/2023, all hemodialysis technician curriculum must include subject areas for ~~[CHT, CHT-I, or CHT-II]~~ CHT-NC or CHT I.

(1) Objectives of the hemodialysis technician programs to include:

- (a) federal, state and local regulations;
- (b) nurse's role and hemodialysis technician role including the meaning of delegation;
- (c) standards of function for hemodialysis technician;
- (d) certification expectations and requirements; and
- (e) hemodialysis technician students must have a current basic life support credential prior to and while the student has contact with patients.

(2) Orientation to the hemodialysis technician position including:

- (a) review of job specifications;
- (b) expectation and responsibilities;
- (c) role of the health care team and the hemodialysis technician:
 - (i) roles and contributions of other health team members;
 - (ii) observation and reporting;
 - (iii) occupational safety and health administration (OSHA).

B. Legal roles and responsibilities of hemodialysis technicians including:

- (1) patient's rights;
- (2) negligence and malpractice;
- (3) ethical issues relating to patients including but not limited to confidentiality;
- (4) documentation;
- (5) identification of errors and required reporting of errors to the nurse.

C. Orientation to the patient population:

- (1) Identifies major anatomical components of the renal system and the role of the normal kidney in maintaining homeostasis;
- (2) Recognizes the physiological changes that occur in the body as a result of end stage renal disease;
- (3) Verbalizes the principles of hemodialysis;
- (4) Recognizes the psychosocial considerations that affect the hemodialysis patient/family and lifestyle;
- (5) Identifies changes in the patient's diet.

D. Introduction to dialysis therapy:

- (1) Demonstrates efficient, accurate and safe preparation of the dialysis machine including but not limited to the discontinuation of dialysis;
 - (2) Demonstrates accurate and safe technique when performing arteriovenous punctures for dialysis access;
 - (3) Identifies patient complications and communicates with a registered nurse;
 - (4) Identifies and responds appropriately to machine alarms and other potential emergency situations to include but are not limited to:
 - (a) air leaks;
 - (b) power failures;
 - (c) temperature changes;
 - (d) unconscious patient;
 - (e) needle dislodgement; or
 - (f) air embolism;
 - (5) Identifies infection control principles and practices. Including but not limited to the use of personal protective equipment;
 - (6) Demonstrates the method of medication administration and identifies potential adverse reactions for medications used in hemodialysis therapy.
- E. Hemodialysis technician procedures/skills check list for certification in New Mexico.
- (1) identification of machine parts and functions;
 - (2) preparation of machine and extracorporeal circuit equipment monitoring and testing prior to initiation of treatment and disinfection of machine post dialysis;
 - (3) data collection for registered nurse assessment;
 - (4) vascular access and specimen collection;
 - (5) initiation, monitoring and termination of treatment;
 - (6) appropriate response to real and potential emergency care situations that can impact the patient, staff and the physical building;
 - (7) administration of medications required for dialysis therapy within the scope of practice as stated in Subsection B and C of 16.12.4.10 NMAC;
 - (8) correct practice of infection control principles;
 - (9) identification and comprehension of principles of water treatment system.
- F. Certification for hemodialysis technician (~~[CHT and CHT II]~~-CHT-NC and CHT I) including their role and responsibilities.
- (1) Philosophy and objectives of the advanced hemodialysis technician programs to include:
 - (a) federal, state and local regulations;
 - (b) nurse's role and advanced hemodialysis technician role;
 - (c) standards of function for advanced hemodialysis technician;
 - (d) certification expectations and requirements.
 - (2) Orientation to the (~~[CHT and CHT II]~~-CHT-NC and CHT I) position including:
 - (a) review of job specifications;
 - (b) expectation and responsibilities;
 - (c) role of the health care team and the hemodialysis technician;
 - (i) roles and contributions of other health team members;
 - (ii) observation and reporting;
 - (3) Expanded roles and responsibilities of the advanced hemodialysis technicians (~~[CHT and CHT II]~~-CHT-NC and CHT I) including:
 - (a) patient's rights;
 - (b) negligence and malpractice;
 - (c) ethical issues relating to patient including but not limited to confidentiality and OSHA;
 - (d) documentation;
 - (e) identification of errors and required reporting or errors to the nurse.
 - (4) Review the concepts and practices of infection control.
 - (5) Understand the principles and rationale for the clamping and care of central venous line catheters:
 - (a) positive thoracic pressure;
 - (b) risk of complications with clamping/unclamping catheters;

- (c) antiseptic solutions and catheter material.
 - (6) Understanding and administering heparin to central venous catheters:
 - (a) pre-dialysis blood work;
 - (b) identification of arterial and venous catheter ports;
 - (c) connection to dialysis blood lines.
 - (7) Preparation, initiation, monitoring and termination of dialysis with the central venous catheters:
 - (a) arterial pressure monitoring;
 - (b) documentation;
 - (c) verification with registered nurse of correct placement of a new central venous catheter.
 - (8) Maintaining central venous catheter patency including injection of heparin or saline into catheter ports.
 - (9) Identification of complications including, but not limited to:
 - (a) emergency life threatening care;
 - (b) access recirculation;
 - (c) inadequate flow;
 - (d) clotting; or
 - (e) catheter dislodgement.
- G.** ~~[CHT and CHT II]~~ [CHT-NC and CHT I] candidate procedures/skills check list for certification in New Mexico shall also include the following:
- (1) Identify difference between permanent and temporary central venous catheters;
 - (2) Demonstrate ability to maintain an aseptic field;
 - (3) Demonstrate correct infection control practices throughout all procedures including the proper selection of approved antiseptic solutions;
 - (4) Demonstrate aspiration of heparin or saline with the correct sized syringe;
 - (5) Demonstrate ability to maintain positive pressure in the catheter lumen;
 - (6) Identify and respond appropriately to complications with the central venous catheter;
 - (7) Determine correct lumen volume and instill heparin or saline aseptically post treatment;
 - (8) Correctly demonstrates catheter ports are capped, clamped and secured after termination of hemodialysis treatment.
- [16.12.4.16 NMAC - Rp, 16.12.4.16 NMAC, 12/13/2022, A, 1/1/2026]