

Subject: Training
**Monitoring IV Infusions of Nitroglycerin and/or Heparin Training Structure
and Instructor Qualifications**

Associated Policies: 6545

I. Authority and Reference (incorporated herein by reference)

- A. Division 2.5 of the Health and Safety Code
- B. California Code of Regulations, Title 22
- C. North Coast Emergency Medical Services Policies and Procedures

II. Purpose

To establish regional time and content requirements for a North Coast EMS-approved training program in monitoring IV infusions of nitroglycerin and/or heparin, including training program and personnel qualifications.

III. Training Program Qualifications

Training programs in monitoring IV infusions of nitroglycerin and/or heparin may be sponsored by any of the following regional institutions:

- A. Accredited universities and colleges, school districts, regional occupational training programs, and private post-secondary schools.
- B. North Coast EMS designated base hospitals.
- C. North Coast EMS authorized ALS Providers.
- D. North Coast EMS.

IV. Training Program Personnel Qualifications

Each training program in monitoring IV infusions of nitroglycerin and/or heparin is required to have:

- A. A Program Director who is qualified by education and experience in methods, materials, and evaluation of instruction.
- B. A Clinical Coordinator who shall be a physician, physician assistant, registered nurse, or paramedic licensed by the State of California with two (2) years experience in emergency medical care of prehospital care in the last five (5) years.
- C. A Principal Instructor who shall be a current California licensed physician, physician assistant, or registered nurse. The Principal Instructor shall have at least two (2) years academic or clinical experience in the practice of emergency medical care or prehospital care in the last five (5) years.
- D. The training program may have one or more teaching assistants, who are qualified by training and experience to assist with the teaching of the course.

V. Training Program Length

A North Coast EMS-approved training program in monitoring IV infusions of nitroglycerin and/or heparin will be three (3) hours in length, at a minimum.

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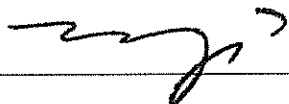
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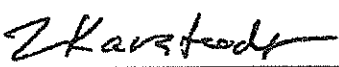
VI. Course Content

- A. The training program in monitoring IV infusions of nitroglycerin and/or heparin shall include approximately one (1) hour of lecture, one and a half (1.5) hours of practical training and simulated scenarios wherein the ability to appropriately manage patients with such infusions will be reviewed. To demonstrate proficiency, the participant must successfully complete ALL identified criteria in EACH of the skills scenarios. The training program will also include approximately one half (0.5) hour for a North Coast EMS-approved written examination, which must be passed (80% or above) by each student prior to accreditation in this procedure.
- B. The minimum course content includes:
 - 1. Lecture
 - a) Program Overview: purpose, accreditation procedure, base hospital, and provider role, etc.
 - b) General administration guidelines.
 - 2. Skills demonstration and practice
 - a) IV nitroglycerin and heparin infusions
 - b) IV pumps
 - c) Adjunct equipment
 - 3. Skills proficiency review
 - 4. Written examination

VII. Eligibility to Enter the Training Program

- A. Any individual entering a North Coast EMT-approved training program in monitoring IV infusions of nitroglycerin and/or heparin shall, at a minimum:
 - 1. Be currently accredited in the North Coast EMS region as an EMT-P.
 - 2. Be affiliated with a transporting North Coast EMS authorized ALS Provider that is approved by North Coast EMS as a "Paramedic Transfer Provider." Each "Paramedic Transfer Provider" must also be assigned to a North Coast EMS designated base hospital that is formally participating in this program.
 - 3. Receive a 1-hour refresher course every 2 years or whenever a new pump is introduced. Course content should include but not limited to, general administration guidelines, IV nitroglycerin and heparin infusions and IV pump use.
- B. Documentation of the above requirements must be submitted when requesting North Coast EMS accreditation in this procedure.

Approved:  Date: 1-14-21

Approved as to Form:  Date: 1-14-21