

**BASIC INTRAVENOUS THERAPY COURSE
FOR THE OFFICE-BASED INFUSIONIST:**

**INTEGRATIVE MEDICINE &
CHELATION THERAPY OFFICE**

ICIM Affiliate Training Program

March 18-21, 2010

Classroom Instruction:

March 18 7pm-10pm

March 19th 8am-6pm

March 20th 8am-6pm

Review and Examination:

March 21st 8am-12pm

ACCEPTABLE STANDARDS FOR A BASIC INTRAVENOUS THERAPY COURSE FOR AN OFFICE-BASED INFUSIONIST

OVERALL OBJECTIVE:

Objective is for the ICIM to establish acceptable standards for a basic course in IV therapy for demonstrating their competence in working as Office-Based INFUSIONIST.

GENERAL PURPOSES:

1. To provide criteria for the ICIM to evaluate the practice of the Office-Based INFUSIONIST in the administration and management of intravenous therapy for the protection of the consumer.
2. To establish acceptable standards for basic knowledge and skills necessary in the administration and management of intravenous therapy by Office-Based INFUSIONIST.
3. To define specific guidelines for course content and evaluation.

SELECTION CRITERIA FOR STUDENTS:

Participants must have met requirements by their individual office criteria by due diligence of their supervising physician and meeting requirements from their respective state. The candidate must be sponsored by a licensed physician who specializes or practices Chelation therapy and is in compliance with the individual's state rules and regulations.

GENERAL COURSE OBJECTIVES:

At the completion of all course instruction, the student will be able to:

1. List the policies, procedures, rules and regulations that govern the Infusionist when administering and managing IV therapy.
2. Demonstrate working knowledge of the legal implications when administering and managing IV therapy; as well as the importance of knowing and understanding state regulations/OSHA and HIPPA in relation to an Integrative Medicine office.
3. Demonstrate basic knowledge of heavy metals toxicology, heavy metal history, toxicity, prevention, treatment (chelating agents: history, properties, indications, side effects, etc...) and clinical management.
4. Demonstrate verbally and/or in writing a basic knowledge of the anatomy and physiology of the adult circulatory system.
5. Identify the role of fluids and electrolytes in maintenance of homeostasis and its importance in the evaluation and administration of IV therapy to an Integrative Medicine patient.
6. Demonstrate a working knowledge of the drugs and solutions commonly used in IV therapy and discuss their action, correct dosage, and adverse effects.

7. Identify the principles of pharmacology as they relate to IV therapy in Chelation.
8. Demonstrate the ability to correctly calculate flow rate and regulate selected infusions.
9. Demonstrate the working knowledge to safely perform vascular access/venipunctures with selected equipment; as well as understanding consequences of.
10. Demonstrate the ability to prepare various chelating agents as per protocol including ingredients and order in which they are to be added to base solution.
11. Demonstrate a working knowledge of what is safe, effective care of patients receiving IV therapy and discuss the signs and symptoms of any possible complications and the corrective treatment and/or therapies that should be implemented.
12. Demonstrate a working knowledge of practice guidelines for an Integrative Medicine and Chelation Therapy office including: patient-staff relationship/communication, structure and systems, documentation, phone etiquette skills, methods of payment/reimbursement and NLP techniques/stress reduction techniques to improve any office atmosphere.
13. In summation, the participant will be able to demonstrate a working knowledge of all of the aspects listed above to outline a Comprehensive Chelation Therapy Program in an Integrative Medicine Office including: definitions of Chelation, heavy metals and chelating agents; history of Chelation, heavy metals and chelating agents; chelating agent protocols, indications and contraindications; patient assessment, follow-up and supplementation use; IV mix, start, maintenance and discontinue protocols; possible side effects, complication and corrective measures for the Chelation patient; legal aspects affecting practice and patient and internal office practice guidelines.

GENERAL COURSE DESCRIPTION:

The Basic IV Therapy Course for the Office-Based Infusionist is offered by the ICIM Affiliate Division.

1. The length of the course shall be a minimum of 20 didactic hours with a comprehensive examination at the end of the program.
2. Class attendance is mandatory. Any classes missed must be made up at the convenience of the instructor, or may result in the student having to take the next course available.
3. The participant taking The Basic IV Therapy Course for the Office-Based Infusionist demonstrates competency by written and practical examinations receiving a minimum score of 80% on each examination.
4. Graduates of this course will receive a "Certificate of Completion".
5. A clinical performance tier to be completed on-premise under direction of the supervising physician and reviewed by ICIM to graduate those participants with clinical experience to a "Certified Infusionist" is anticipated.

6. The Basic IV Therapy Course for the Office-Based Infusionist shall be revised and updated by the ICIM COMMITTEE FOR AFFILIATE EDUCATION as necessary.

FACULTY QUALIFICATIONS:

1. Board Certified Chelation Physician with teaching experience approved by the Board of ICIM.
2. A currently licensed Physician (MD or DO), Physician Assistant, Nurse Practitioner, Registered Nurse who has had recent experience in performing IV therapy may be utilized to provide clinical supervision and assist in classroom teaching.

COURSE TITLE: The Basic IV Therapy Course for the Office-Based Infusionist

Hours: 16 hours didactic instruction

Instructor: L. Titus K. Parker MD; Theodore Rozema, MD; Patricia L. W. Nash, RPA-C;
Marsha Arnold, RN and other qualified guests.

Required Text: Appropriate references

COURSE DESCRIPTION:

The Basic IV Therapy Course for the Office-Based Infusionist is directed toward establishing acceptable standards so the student is able to delineate the beginning skills and knowledge needed to administer and manage IV therapy within the Integrative Medicine Office.

Basic Guidelines for a Comprehensive Chelation Therapy Program in an Integrative Medical Office include: definitions of Chelation, heavy metals and chelating agents; history of Chelation, heavy metals and chelating agents; chelating agent protocols, indications and contraindications; patient assessment, follow-up and supplementation use; IV mix, start, maintenance and discontinue protocols; possible side effects, complication and corrective measures for the Chelation patient; legal aspects affecting practice and patient and internal office practice guidelines.

COURSE CONTENT:

UNITS OF INSTRUCTION:

- Unit I: The Basic Intravenous Therapy for Infusionist Including Legal Aspects
- Unit II: Review of Anatomy and Physiology of the Adult and Geriatric Circulatory System
- Unit III: Fluid and Electrolyte Balance
- Unit IV: Starting, Maintaining, and Discontinuing Intravenous Therapy

Unit V: History of Heavy Metals, Toxicity, Chelating Agents and Clinical Use

Unit VI: Putting It All Together: The Comprehensive Chelation Therapy Program

Unit VII: Practice Guidelines for the Integrative Medicine Office

SUGGESTED COURSE EVALUATION CRITERIA:

Teaching methods include classroom lectures, videos, demonstration, return demonstration and classroom performance evaluations. Supervised clinical demonstration and performance evaluations are anticipated.

A comprehensive final examination will be given at the end of the program. Reviews will take place on a daily basis for any queries that may arise. Instructors will be available for clarification of content before and after lectures.

NOTE: Students are responsible for notifying the instructor prior to examination if unable to take scheduled test.

1. The final examination will be comprehensive including material from the entire course.
 - Heavy Metals, Toxicity and Chelation History – 10%
 - Chelating Agents – Indications, Contraindications, Pharmacology, Side Effects and Protocols – 20%
 - IV Mixing, Start, Maintenance, Discontinuation, Rates, Side Effects, Complication and Corrective Measures – 20%
 - Anatomy and Physiology; Fluids and Electrolyte Balance – 15%
 - Legal Aspects of IV Therapy in an Integrative Medicine Office – 10%
 - Patient Assessment, Follow-Up, Lifestyle and Supplement Use – 15%
 - Internal Office Practice Guidelines – 10%
2. Reviews will be done daily.
3. A clinical supervised; on premise practicum examination with review from ICIM is anticipated.

| Grade | Grade Points | Definition |
|--------------|---------------------|-------------------|
| A | 4 (90-100%) | Excellent |
| B | 3 (80-89%) | Very Good |
| F | 0 (79% or less) | Failure |

BIBLIOGRAPHY – Will be available on Final Version.

DRAFT