

**Rotation:  
Addiction Medicine Subspecialty Elective**

**Goals:**

- 1) Introduce residents to the neurobiology and pathology underlying addiction.
- 2) Provide Internal Medicine residents with the knowledge necessary to recognize, diagnose and evaluate the disease of addiction and the problem of hazardous/harmful use of drugs and alcohol as well as to recognize and address the consequences of addiction.
- 3) Introduce the residents to the multidisciplinary team involved in the treatment of addiction and various treatment modalities.
- 4) Provide residents with the necessary knowledge and practical experience in the medical detoxification of addicted patients as well as the general medical care of these patients.
- 5) Describe the medical, social, and financial consequences of addiction.
- 6) Introduce the resident to the interaction and overlap between chronic pain and addiction.
- 7) Describe clinical strategies for the treatment of addicted patients requiring chronic treatment with controlled medications and introduce the residents to concept of opiate maintenance therapy.

**Objectives:**

By the end of the Addiction Medicine Subspecialty elective, PGY-1 residents are expected to expand and cultivate skills and knowledge learned during previous training and to achieve the following objectives based on the six general competencies. The resident should exhibit an increasing level of responsibility and independency as he or she progresses throughout the year.

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
Patient Care	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	Diagnose and evaluate the disease of addiction to or the hazardous/harmful use of substances	Clinical Teaching Didactic Sessions Therapy Sessions Self Directed Reading	Written exam ABIM Global Assessment Form	
	Describe addiction’s disease process including its diagnosis, evaluation, and impact on the patient (medical, psychological, and social) and the family; and the broader impact on society.	Clinical Teaching Didactic Sessions Therapy Sessions Self Directed Reading	Written exam ABIM Global Assessment Form	
	Manage medical detoxification, i.e., primarily alcohol, opiate, and benzodiazepine dependence	Clinical Teaching	Written exam	

		Didactic Sessions Therapy Sessions Self Directed Reading	ABIM Global Assessment Form	
	Obtain complete medical history and perform comprehensive physical examination in order to create preliminary diagnosis of addiction	Clinical Teaching Didactic Sessions Therapy Sessions Self Directed Reading	Written exam ABIM Global Assessment Form	
	Formulate effective detoxification treatment plans based upon medical history, physical exam, and laboratory studies	Clinical Teaching Didactic Sessions Therapy Sessions Self Directed Reading	Written exam ABIM Global Assessment Form	
	Monitor patient's ongoing recovery process in order to recognize signs of impending and ongoing relapse and its associated physical signs, symptoms, and behaviors	Clinical Teaching Didactic Sessions Therapy Sessions Self Directed Reading	Written exam ABIM Global Assessment Form	
	Describe the interaction and overlap between chronic pain and addiction in some patients	Clinical Teaching Didactic Sessions Therapy Sessions Self Directed Reading	Written exam ABIM Global Assessment Form	
	Develop strategies for the treatment of addicted patients who require chronic therapy on controlled medications including opiate maintenance therapy	Clinical Teaching Didactic Sessions	Written exam ABIM Global Assessment Form	

		Therapy Sessions Self Directed Reading		
	Recognize impending or actual relapse in the addicted patient and strategies for addressing these issues in primary care	Clinical Teaching Didactic Sessions Therapy Sessions Self Directed Reading	Written exam ABIM Global Assessment Form	
	Establish a preliminary and determinative diagnosis of addiction	Clinical Teaching Didactic Sessions Therapy Sessions Self Directed Reading	Written exam ABIM Global Assessment Form	
	Describe the impact of addiction on specific patient populations and in specific circumstances including women, the pregnant patient, chronic pain patients, the perioperative patient etc	Clinical Teaching Didactic Sessions Therapy Sessions Self Directed Reading	Written exam ABIM Global Assessment Form	
	Educate and counsel patients and their families about the disease process, treatment modalities, and the social and financial consequences of addiction	Clinical Teaching Didactic Sessions Therapy Sessions Self Directed Reading	Written exam ABIM Global Assessment Form	
	Recognize and address the consequences of addiction			
Medical Knowledge	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	Develop the knowledge base and an understanding of the resources available and necessary for the appropriate referral of addicted patients to specialists or other alternative treatment modalities	Clinical Teaching Didactic Sessions	Written exam ABIM Global Assessment Form	

		Therapy Sessions Self Directed Reading		
	Basic disease concept of addiction	Clinical Teaching Didactic Sessions Therapy Sessions Self Directed Reading	Written exam ABIM Global Assessment Form	
	Describe the medical consequences of substance abuse and addiction	Clinical Teaching Didactic Sessions Therapy Sessions Self Directed Reading	Written exam ABIM Global Assessment Form	
Practice Based Learning and Improvement	<b>SPECIALTY SPECIFIC OBJECTIVES</b> See General Internal Medicine Objectives for a comprehensive list.			
Interpersonal and Communication Skills	<b>SPECIALTY SPECIFIC OBJECTIVES</b> See General Internal Medicine Objectives for a comprehensive list.			
Professionalism	<b>SPECIALTY SPECIFIC OBJECTIVES</b> See General Internal Medicine Objectives for a comprehensive list.			
Systems-Based Practice	<b>SPECIALTY SPECIFIC OBJECTIVES</b> See General Internal Medicine Objectives for a comprehensive list.			

By the end of the Addiction Medicine Subspecialty elective, PGY-2 residents are expected to expand and cultivate skills and knowledge learned during previous training and to achieve the following objectives based on the six general competencies. The resident should exhibit an increasing level of responsibility and independency as he or she progresses throughout the year.

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
Patient Care	<b>SPECIALTY SPECIFIC OBJECTIVES</b> Diagnose and evaluate the disease of addiction to or the hazardous/harmful use of substances	Clinical Teaching	Written exam	

		Didactic Sessions Therapy Sessions Self Directed Reading	ABIM Global Assessment Form	
	Describe addiction's disease process including its diagnosis, evaluation, and impact on the patient (medical, psychological, and social) and the family; and the broader impact on society.	Clinical Teaching Didactic Sessions Therapy Sessions Self Directed Reading	Written exam ABIM Global Assessment Form	
	Manage medical detoxification, i.e., primarily alcohol, opiate, and benzodiazepine dependence	Clinical Teaching Didactic Sessions Therapy Sessions Self Directed Reading	Written exam ABIM Global Assessment Form	
	Obtain complete medical history and perform comprehensive physical examination in order to create preliminary diagnosis of addiction	Clinical Teaching Didactic Sessions Therapy Sessions Self Directed Reading	Written exam ABIM Global Assessment Form	
	Formulate effective detoxification treatment plans based upon medical history, physical exam, and laboratory studies	Clinical Teaching Didactic Sessions Therapy Sessions Self Directed Reading	Written exam ABIM Global Assessment Form	
	Monitor patient's ongoing recovery process in order to recognize signs of impending and ongoing relapse and its associated physical signs, symptoms, and behaviors	Clinical Teaching Didactic Sessions	Written exam ABIM Global Assessment Form	

		Therapy Sessions Self Directed Reading		
	Describe the interaction and overlap between chronic pain and addiction in some patients	Clinical Teaching Didactic Sessions Therapy Sessions Self Directed Reading	Written exam ABIM Global Assessment Form	
	Develop strategies for the treatment of addicted patients who require chronic therapy on controlled medications including opiate maintenance therapy	Clinical Teaching Didactic Sessions Therapy Sessions Self Directed Reading	Written exam ABIM Global Assessment Form	
	Recognize impending or actual relapse in the addicted patient and strategies for addressing these issues in primary care	Clinical Teaching Didactic Sessions Therapy Sessions Self Directed Reading	Written exam ABIM Global Assessment Form	
	Establish a preliminary and determinative diagnosis of addiction	Clinical Teaching Didactic Sessions Therapy Sessions Self Directed Reading	Written exam ABIM Global Assessment Form	
	Describe the impact of addiction on specific patient populations and in specific circumstances including women, the pregnant patient, chronic pain patients, the perioperative patient etc	Clinical Teaching Didactic Sessions Therapy Sessions	Written exam ABIM Global Assessment Form	

		Self Directed Reading		
	Educate and counsel patients and their families about the disease process, treatment modalities, and the social and financial consequences of addiction	Clinical Teaching Didactic Sessions Therapy Sessions Self Directed Reading	Written exam ABIM Global Assessment Form	
	Recognize and address the consequences of addiction			
Medical Knowledge	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	Develop the knowledge base and an understanding of the resources available and necessary for the appropriate referral of addicted patients to specialists or other alternative treatment modalities	Clinical Teaching Didactic Sessions Therapy Sessions Self Directed Reading	Written exam ABIM Global Assessment Form	
	Basic disease concept of addiction	Clinical Teaching Didactic Sessions Therapy Sessions Self Directed Reading	Written exam ABIM Global Assessment Form	
	Describe the medical consequences of substance abuse and addiction	Clinical Teaching Didactic Sessions Therapy Sessions Self Directed Reading	Written exam ABIM Global Assessment Form	
Practice Based Learning and Improvement	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	See General Internal Medicine Objectives for a comprehensive list.			
Interpersonal and Communication Skills	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	See General Internal Medicine Objectives for a comprehensive list.			

Professionalism	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	See General Internal Medicine Objectives for a comprehensive list.			
Systems-Based Practice	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	See General Internal Medicine Objectives for a comprehensive list.			

By the end of the Addiction Medicine Subspecialty elective, PGY-3 residents are expected to expand and cultivate skills and knowledge learned during previous training and to achieve the following objectives based on the six general competencies. The resident should exhibit an increasing level of responsibility and independency as he or she progresses throughout the year.

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
Patient Care	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	Diagnose and evaluate the disease of addiction to or the hazardous/harmful use of substances	Clinical Teaching Didactic Sessions Therapy Sessions Self Directed Reading	Written exam ABIM Global Assessment Form	
	Describe addiction’s disease process including its diagnosis, evaluation, and impact on the patient (medical, psychological, and social) and the family; and the broader impact on society.	Clinical Teaching Didactic Sessions Therapy Sessions Self Directed Reading	Written exam ABIM Global Assessment Form	
	Manage medical detoxification, i.e., primarily alcohol, opiate, and benzodiazepine dependence	Clinical Teaching Didactic Sessions Therapy Sessions Self Directed Reading	Written exam ABIM Global Assessment Form	
	Obtain complete medical history and perform comprehensive physical examination in order to create preliminary diagnosis of addiction	Clinical Teaching Didactic Sessions	Written exam ABIM Global Assessment Form	

		Therapy Sessions Self Directed Reading		
	Formulate effective detoxification treatment plans based upon medical history, physical exam, and laboratory studies	Clinical Teaching Didactic Sessions Therapy Sessions Self Directed Reading	Written exam ABIM Global Assessment Form	
	Monitor patient's ongoing recovery process in order to recognize signs of impending and ongoing relapse and its associated physical signs, symptoms, and behaviors	Clinical Teaching Didactic Sessions Therapy Sessions Self Directed Reading	Written exam ABIM Global Assessment Form	
	Describe the interaction and overlap between chronic pain and addiction in some patients	Clinical Teaching Didactic Sessions Therapy Sessions Self Directed Reading	Written exam ABIM Global Assessment Form	
	Develop strategies for the treatment of addicted patients who require chronic therapy on controlled medications including opiate maintenance therapy	Clinical Teaching Didactic Sessions Therapy Sessions Self Directed Reading	Written exam ABIM Global Assessment Form	
	Recognize impending or actual relapse in the addicted patient and strategies for addressing these issues in primary care	Clinical Teaching Didactic Sessions Therapy Sessions	Written exam ABIM Global Assessment Form	

		Self Directed Reading		
	Establish a preliminary and determinative diagnosis of addiction	Clinical Teaching Didactic Sessions Therapy Sessions Self Directed Reading	Written exam ABIM Global Assessment Form	
	Describe the impact of addiction on specific patient populations and in specific circumstances including women, the pregnant patient, chronic pain patients, the perioperative patient etc	Clinical Teaching Didactic Sessions Therapy Sessions Self Directed Reading	Written exam ABIM Global Assessment Form	
	Educate and counsel patients and their families about the disease process, treatment modalities, and the social and financial consequences of addiction	Clinical Teaching Didactic Sessions Therapy Sessions Self Directed Reading	Written exam ABIM Global Assessment Form	
	Recognize and address the consequences of addiction			
Medical Knowledge	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	Develop the knowledge base and an understanding of the resources available and necessary for the appropriate referral of addicted patients to specialists or other alternative treatment modalities	Clinical Teaching Didactic Sessions Therapy Sessions Self Directed Reading	Written exam ABIM Global Assessment Form	
	Basic disease concept of addiction	Clinical Teaching Didactic Sessions Therapy Sessions	Written exam ABIM Global Assessment Form	

		Self Directed Reading		
	Describe the medical consequences of substance abuse and addiction	Clinical Teaching Didactic Sessions Therapy Sessions Self Directed Reading	Written exam ABIM Global Assessment Form	
Practice Based Learning and Improvement	<b>SPECIALTY SPECIFIC OBJECTIVES</b> See General Internal Medicine Objectives for a comprehensive list.			
Interpersonal and Communication Skills	<b>SPECIALTY SPECIFIC OBJECTIVES</b> See General Internal Medicine Objectives for a comprehensive list.			
Professionalism	<b>SPECIALTY SPECIFIC OBJECTIVES</b> See General Internal Medicine Objectives for a comprehensive list.			
Systems-Based Practice	<b>SPECIALTY SPECIFIC OBJECTIVES</b> See General Internal Medicine Objectives for a comprehensive list.			

**Learning Venues:**

A. Veterans Administration Medical Center (VAMC) - Inpatient Addiction/Detoxification Consultation

Residents will participate in consultation provided to inpatient services for the diagnosis, evaluation, and treatment/referral of patients with addiction to or the hazardous/harmful use of substances; additionally, recommendations will be made to assist in any necessary medical detoxification. They will obtain histories, perform physical examinations, and present them daily to the attending physician. Learning in this venue will be patient-centered and care-based.

B. Chemical Dependency Unit (CDU) at the VAMC - Inpatient Medical Detoxification

Residents will be assigned direct care responsibilities for patients admitted to the inpatient detoxification service where medical detoxification is performed (primarily alcohol, opiate, and benzodiazepine dependence) as well as care for general medical problems in these same patients. They will admission histories and physical examinations, do daily historical and physical assessments on admitted patients, present findings to the attending physician, and learn to formulate effective detoxification treatment plans. They will participate in addiction treatment planning with the CDU multidisciplinary team. Learning in this venue will be patient-centered and care-based.

C. Chemical Dependency Clinic (VAMC) - Outpatient Care

Residents will participate ½ day per week in the outpatient Chemical Dependency Unit Clinic where addicted outpatients are seen for their primary care.

Emphasis will be placed on how the primary care physician can participate in the monitoring of a patient's ongoing recovery process as well as to recognize signs of impending and ongoing relapse and its associated physical signs, symptoms, and behaviors. Learning in this venue will be patient-centered, care based and under the supervision of the attending physician.

#### D. Off-site visitation - Addiction Treatment

Residents will be assigned on several ½ days during the rotation to visit other clinics and treatment facilities, including local residential treatment centers and a pain clinic where they will have the opportunity to participate in and observe addiction treatment & treatment planning in other patient populations. They will be able to work with a certified pain specialist in a private practice setting and observe the interaction and overlap between chronic pain and addiction in some patients. Additionally, the residents will be expected to attend a minimum of one 12-step meeting during the rotation. Learning in this venue will be patient-centered and care-based as well as through didactic discussions in other learning venues.

#### E. CDU-VAMC - Didactic Discussion and Teaching Sessions; Case Presentations

Regular didactic discussion and teaching sessions will be used to supplement and enhance the patient care and observational experiences of the rotation and, additionally, will cover topics that will not necessarily present themselves through the resident's direct participation. Topics will also include the neuroscience and psychological concepts underlying the disease of addiction. There will be diagnosis, evaluation, and treatment tools and strategies presented which the resident should find useful in the practice of inpatient and outpatient internal medicine.

Teaching sessions by the attending physicians will also complement all inpatient and outpatient care experiences as time permits.

#### F. CDU-VAMC - Addiction Therapy Groups

Residents will be assigned to observe therapy sessions for both inpatients and outpatients including grief and coping skills group therapy assisting in the understanding of issues facing patients as they attempt to enter or maintain their recovery from addiction. Resident participation in group sessions will be scheduled for a total of 3-4 hours/week. Learning in this venue will be patient-centered and based on didactic discussions and interaction with the multidisciplinary team in other learning venues.

#### G. Reading List

Reading materials will be available and some reading will be assigned to broaden the resident's understanding of the disease process; its diagnosis, evaluation, and impact on the patient (medical, psychological, and social) and the family; and the broader impact on society. The reading material will also demonstrate the impact on specific patient populations and in specific circumstances including women, the pregnant patient, chronic pain patients, the perioperative patient etc.

The reading list includes:

Addiction Medicine Elective Syllabus/Curriculum  
Selected articles, handouts, etc.; Edited by the elective preceptors

Principles of Addiction Medicine; 2nd Edition, 1998; ASAM  
Editors: Graham AW, Schultz TK  
(3rd Edition to be published/available Dec. 2002/Jan. 2003)

Substance Abuse: A Comprehensive Textbook; 3rd Edition, 1997  
Editors: Lowinson JH, et. al.

Textbook of Substance Abuse Treatment; 2nd Edition, 1999  
Editors: Galanter M, Kleber HD

Textbook of Psychopharmacology; 2nd Edition, 1998

Editors: Schatzberg AF, Nemeroff CB ASAM Patient Placement Criteria (PPC-2R); 2001  
Editor: Mee-Lee, D

Pain & Addiction: Common Threads II and Common Threads III  
Editors: Heit H, Savage S

### **Competency Evaluation:**

A written examination will be given at rotation's end to assess the resident's assimilation of:

- Basic disease concept of addiction
- Knowledge base necessary to establish a preliminary and determinative diagnosis of addiction
- Clinical evaluation of the addicted patient
- Various treatment modalities for addiction
- Treatment of the patient during detoxification
- Medical consequences of substance abuse and addiction
- Recognition of impending or actual relapse in the addicted patient and strategies for addressing these issues in primary care
- Strategies for the treatment of addicted patients who require chronic therapy on controlled medications including opiate maintenance therapy

A score of > 80% is expected on this examination.

The ABIM Global Assessment Form will be completed by the attending physician to assess all six competencies. All must be rated as satisfactory or superior.

### **Outcomes Assessment:**

Educational success of the Addiction Medicine elective will be measured by:

- 1) Resident scoring on the examination given at the end of each rotation
- 2) Resident feedback on the rotation to be collected at the completion of the elective, specifically as to:

- the rotation's clinical utility in his/her internal medicine practice
- whether the rotation met the stated objectives:
- whether the resident found the rotation to be intellectually stimulating

