Addiction Is a Brain Disorder & Disruption of The Neurotransmission

EVIDENCE BASED PRACTICES (EBP): Integrated System of Care; Universal Dual Diagnosis Capabilities; Principles of Empathy and Hope; Motivational Interviewing Approach; Stages of Change Model Design; Strength Based; Skill Building; Solution Focused; Neurochemistry Based Disorders of the Brain; Symptom Identification; Symptom Management; EBP Curriculum Topics, i.e. Nutrition, Stress Management, Cognitive Behavioral, and more...

Consistency in the Group Setting

The importance of *consistency* in a treatment setting can't be overstated. This is especially true when people are placed in vulnerable situations. *Inconsistency* can, at best, increase uncertainty and insecurity for the person receiving services. At worst, unpredictability can create a sense of helplessness while simultaneously decreasing a person's development of self-reliance. In fact, all human beings benefit from a dependable approach in the treatment of chronic disorders. When a person learns they can rely on consistency, they are less stressed and more relaxed. Consistency in the group setting includes the group structure, psychoeducational material, and the approach.

Each agency or facility will have different requirements – such as group receipts or paperwork – however, consistency can still include a structure similar to the following:

- 1. Group members pick up: a. Clip Board, b. Paper, and c. Pencil/Pen as they enter the room.
- 2. Group facilitator picks up the group receipts from each person in the group, and/or the group facilitator passes out the sign-in sheet for the group members to sign.
- 3. Group facilitator provides a Positive Group Beginning, Consistent Psychoeducational Material, Consistent Approach, and a Positive Group Closure.

Psychoeducational Groups and Crisis Event Processing (when requested)

Notes to Facilitator(s):

- 1. The Basics, Second Edition meets the definitions and goals of Psychoeducational Groups, Skill Building Groups, and Cognitive Behavioral Groups.
- 2. Group participants who have become accustomed to Interpersonal Processing Groups as well as staff who have facilitated them may find it a challenge to now facilitate Psychoeducational Groups.
- 3. Likewise, facilitators who may have followed a more lecture-style education presentation, may find it challenging to now devote at least 1/3rd of group time to specific topic discussions and interactions.
- 4. Both types of groups (Interpersonal Processing Groups and Psychoeducational Groups) are extremely important, yet each has different goals and structure.
- 5. The structure of Psychoeducational Groups, Skill Building Groups, and/or Cognitive-Behavioral Groups in no way means that there will not be *interaction* far from it. It just means that the interactions, discussions, and exercises will be about the topic(s) of each group.
- 6. Facilitators may or not still want to allow time in each group for the group member(s) to discuss a crisis that may have occurred since the last group.
- 7. We do know, of course, that *every* person in group is typically experiencing many challenges each and every week; however, most of these incidents are often best resolved in ways other than group time where the event does not pertain to every group member.
- 8. Suggested responses to a challenge, problem, or crisis can also include suggesting the person contact their primary care provider; schedule a 1:1 appointment; reschedule their next 1:1 to an earlier time; or, meet with the facilitator after group to explore options and develop a plan.
- 9. A facilitator would, of course, not "grade" an event as being worthy or not for group time. If a person requests individual time in the group, then that would be accepted as valid and time allotted at the end of the group.
- 10. Over time, the group begins to understand the differences between a situation, a challenge, a problem, or a crisis and can make decisions to utilize group time or continue with the current psychoeducational topic.

Prepare Professionals

Suggestions for professionals to prepare themselves for group typically includes:

- 1. Review all content material, appendices, and/or handouts *prior* to group to avoid a lecturing style.
- 2 Decide beforehand the *key points* to be covered in each group to produce flexibility for group responses, discussions, or questions.
- 3. Gain an overall understanding of the content so summarizing is possible in order to create an interactive facilitation style.
- 4. Determine the group structure to achieve the essential balance between education and discussions.
- 5. Check group room to be sure there are enough clipboards, pencils or pens, and markers or chalk for the board.
- 6. Make enough copies of any handouts before group.
- 7. Write any group content on the board *prior* to the beginning of group whenever possible.

Master Guide & Master Tips to Professionals

Note: <u>The Master Guide</u> (located at the beginning of Volume I & II) and the <u>Master Tips to Professionals</u> (located at the back of Volume I) have many topics to assist in the group process like Master Tip #39: Suggestions For Managing Handouts For Groups (pages Master Tips 64-67). Other tips include:

- 1. Master Guide: Interactive Style (pages Master Guide 10-11)
- 2. Master Tip #1: Suggestions for Beginning Group (pages Master Tips 1-4)
- 3. Master Tip #3: Empathetic Treatment Approach (pages Master Tips 7-9)
- 4. Master Tip #4: Promoting Hope (page Master Tips 9)
- 5. Master Tip #5: Maintaining a Consistent, Nonjudgmental, and Positive Attitude (pages Master Tips 10-13)
- 6. Master Tip #12: Responding to Requests for Copies of Appendices (pages Master Tips 27-29)
- 7. Master Tip #13: Depth of Psychoeducational Content (pages Master Tips 29-30)
- 8. Master Tip #14: Group Closure Suggestions (pages Master Tips 30-31)
- 9. Master Tip #16: Motivational Interviewing (pages Master Tips 31-32)

Present Curriculum/Topic

- 1. It is extremely important that each group participant leave every group with more Psychoeducation than they came in with which may also include discussing a "familiar topic" yet with a "present-day" focus. Psychoeducational Groups are designed to provide education about all areas related to the management of Substance Use Disorders and Psychiatric Disorders. Psychoeducational Groups are not Interpersonal Processing Groups even though interaction and processing the particular *psychoeducational topic(s)* is essential to individualizing the topic(s) or skill(s) presented.
- 2. It is recommended that a minimum of 1/3rd of group time be devoted to interaction (therapeutic counseling *topic* discussions). This can be accomplished depending on the individual style of the group facilitator(s) by any "present education-interact/discuss present education-interact/discuss" combination while still structuring the group to include the curriculum/topic education to be covered.
- 3. The presentation of material will, of course, be modified by the facilitator to match the functioning skills of group participants. It is important to note, however, that *The Basics, Second Edition* was written in a conversational language while taking into consideration a wide-range of symptom acuity and severity. Persons with co-occurring psychiatric and substance disorders benefit from learning about their disorders and how to manage them, as do all individuals with any chronic disorder(s). Each group participant will retain what is meaningful to them at the present time.

Group Beginning Suggestions

A positive group beginning (and ending) is extremely important. There are many ways to begin (and end) a group in a positive way. Suggestions to choose from can include:

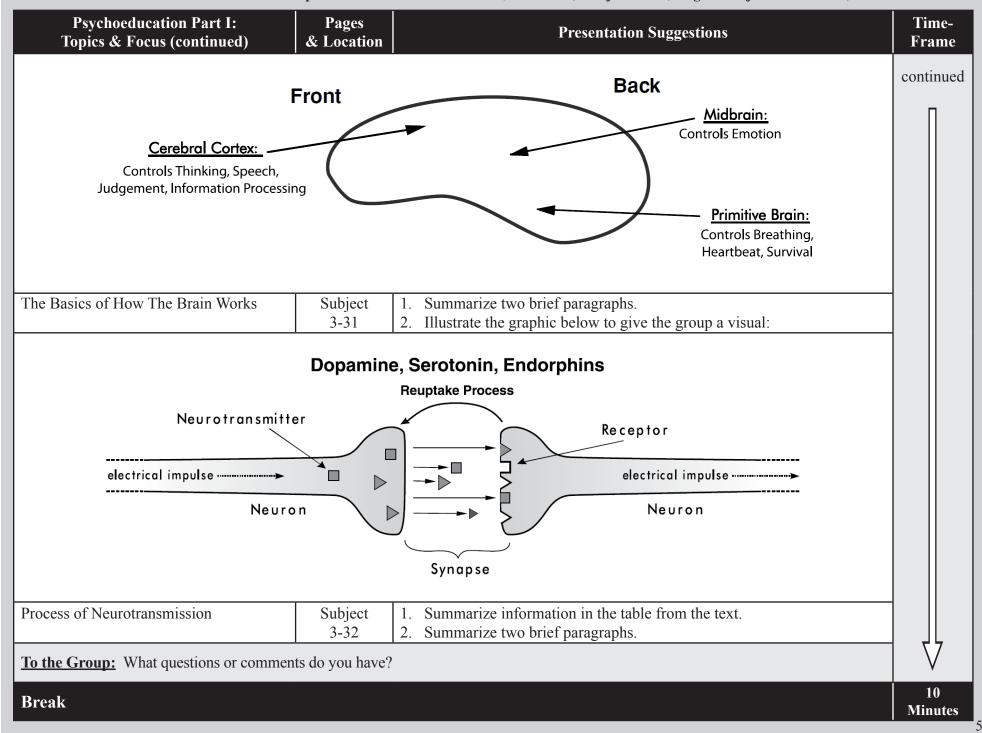
- 1. Reading the Thought For The Day from a meditation book. (Note: Meditation books that also contain an index at the end of the book such as *Easy Does It* are helpful in choosing a specific reading that matches the topic(s) presented in group like Self-Esteem.), or
- 2. Reading an inspirational or humorous curriculum handout from THE BASICS, Second Edition, or
- 3. Practicing a deep breathing or a stretching exercise, or
- 4. Sharing of one thing that each person is grateful for today, or
- 5. Sharing of one positive thing that he/she did that contributed to their recovery in the past few days, or
- 6. Reading an AA Slogan with a brief explanation or AA/NA/Dual Recovery inspirational reading.
- * Recommended Beginning: Breathing Exercise (located on page Master Tips 3)

Practice Curriculum/Topic

Practicing subject material is the best way participants can internalize and personalize the curriculum content. Practice includes the group interactions, worksheets, exercises, handouts, and content discussions.

Based on a 2-Hour group: Two 50 minute segments						
Group Beginning	20 Minutes Total					
Positive group beginning (suggestions are located on the previous page).	5 Minutes					
 Brief Group Introductions: (Note: The <i>interactions</i> in a psychoeducational group are discussions about the <i>topics</i>, not interpersonal processing or case management questions which do not apply to the entire group.) Ask the group members to tell the group their name. Welcome any group members who are new to this group or phase. Crisis Processing (when requested and optional): Ask the group if anyone has experienced a crisis since their last group, and if they need/want additional time in this group to discuss it, i.e. what happened, how they managed the crisis, and/or explore options and develop a plan. Let the person(s) know that you will allow time at the end of this group for them to share their experience and receive support from their fellow group members. 	10 Minutes					
Summarize Introduction of the Group Topic and Why It's Important (Subject 3-28): People often have trouble understanding that addiction is not an issue of choice, willpower, character, or morality. Addiction is a brain disorder produced by addictive substances and activities, like gambling, in a genetically vulnerable brain. The major feature of addiction is the inability to consistently control the use of the addictive substance or limit the activity. Today we will talk about why addiction is known to be a disorder of the brainan organ of the body. It's not important to remember any of the brain chemistry terms like "neurotransmitter" or "endorphins" or even what any of these actually do in the brain. The only important goal today is to take away a general understanding that there is a difference in the brain chemistry of those who develop Substance Dependence and other drug dependencies and the brain chemistry of those who don't. That means dependency is the result of differences in brain chemistry – even before use. Approximately 10% of the population without a family history of substance dependence in their first and/or secondgeneration relatives will develop addiction. Yet there is a much greater vulnerability among individuals who do have relatives with substance dependence disorders. A brain that is more vulnerable to addiction means the person has a much higher risk of experiencing an addictive response when they use alcohol and other drugs. Yet vulnerability is not certainty. Even a brain that is at a higher risk – 35% for example – for chemical dependency still has a 65% chance of not developing dependency. How do we know if a person with higher risk actually does have an addictive disorder? We know because their brain responds totally different to substances when compared to people who have "typical" brain chemistry. These differences in the brain may not show up for many years, yet they're subtly there from the very beginning.	5 Minutes					

Psychoeducation Part I: Topics & Focus	Pages & Location	Presentation Suggestions				
 To the Facilitator(s): Group participants at all functioning levels are very interested in the neurochemistry of their disorders. Time and time again treatment participants say that gaining an overall understanding that psychiatric and substance disorders are predominately due to differences in brain chemistry is helpful to them in many ways. Neurochemistry education helps to alleviate guilt, lessen shame, and create a sense of community among individuals with the same disorders and similar brain chemistry. This then leads the way to realizing the importance of developing recovery skills that contribute to the healing of the brain – like nutrition. In this group it is important to discuss the basics of neurochemistry and how the brain works during "typical" neurotransmission. Yet it is more important to leave adequate time to discuss how the brain responds to alcohol and other drugs in the addictive process among individuals with the brain chemistry of chemical dependency. Yet balance is important. Too many details will make it more confusing than understandable. You are aiming for a general understanding that there are a number of differences in brain chemistry among people who have chemical dependency. This information has been well received, understood, and appreciated by individuals ranging from moderate to high acuity, severity, and symptomatology. Participants "get" the respect of providing information about the origins of their disorders – a respect we all appreciate and deserve from our providers. Participants also get the general idea that there are differences in brain chemistry for those with and without these disorders. It can appear there is more information in this group than time will allow. The main reason for this is because there are many graphics in the lesson plan. Remember, the material is to be greatly summarized to meet the primary goal of general understanding. 						
Addiction Is a Brain Disorder	Subject 3-28 – 3-29	Summarize the remaining three paragraphs of this section (the first paragraph is in the introduction on the previous page).				
Addiction Produces an Altered State of Compulsive Behavior Subject Summarize two paragraphs. 3-29						
Addition Is Found in Brain Chemistry Differences						
Basics of Brain Anatomy	Subject 3-30	Summarize four brief paragraphs and show the three sections of the brain: (It would be helpful to give a visual. You can either draw the graphic on the next page or point to your head - top, middle, and base.)				



Psychoeducation Part II: Topics & Focus	Pages & Location	Pres	Time-Frame with Crisis Processing	Time-Frame without Crisis Processing	
Standard Neurotransmission Activity Involved in the Addictive Process	Subject 3-32	Simply name the neurotr results when neurotransm	10	15	
Neurotransmitter		Serves As Working Properly Results In			Minutes
DA (Dopamine)	rev	vard and pleasure	sense of well-being	П	Ιп
NE (Norepinepherine)		arousal	energy, motivation, drive		
SE (Serotonin)	em	otional stabilizer	rational emotions, self-esteem		
GABA (Gamma Amino Butyric Acid)	str	ess management	tranquilizer, calmness		
END (Endorphins)	physic	al pain management	produce feelings of pleasure		
ENK (Enkephalins)	emotio	nal pain management	self-esteem, completeness		
ACE (Acetycholine)		concentration	thinking, memory		
Identification of The Reinforcement or Reward Pathway	Subject 3-33	Summarize paragraph.			
The Mesolimbic System and the Medical Forebrain Bundle	Subject 3-33	Draw a graphic on the bo Summarize paragraphs a			
"Like" Pathway "Want" Pathway "Need" Pathway			Back		
To the Group: What questions or common The Effects of Addictions on The Reward Pathway					
Psychiatric Medications Are Not The Same as Drugs of Abuse	Subject 3-34	Summarize paragraph.			

Psychoeducation Part II: Topics & Focus (continued)	Pages & Location	Presentation Suggestions			Time-Frame without Crisis Processing
"Stop" and "Go" Chemistry Determines Drug of Choice	Subject 3-34	Summarize th	20	25	
Laboratory Animals Lead the Way in Research	Subject 3-38	Summarize th	Minutes	Minutes	
How Specific Drugs Affect the Brain	Subject 3-38 – 3-39	Summarize in	nformation in table.		
To the Group: What questions or comm	ents do you hav	e?			
Balance and Down Regulation of Natural Brain Chemicals	Subject 3-39	Summarize p	aragraph.		
Result of Reduced Neurotransmitters and Receptor Sites	Subject 3-39 – 3-40	1 "	the neurotransmitter, what it serves as, s when it is <i>not</i> working properly.		
Drugs Disrupt Neurotransmitter Activity	Serve	es As	NOT Working Properly Results In		
alcohol, amphetamine, cocaine, marijuana, LSD	(Acety	CE choline)	confusion, difficulties in short-term memory, and problems concentrating		
amphetamine, caffeine, cocaine, marijuana, nicotine	DA (Dopamine) reward and pleasure		Lack of remorse about action, don't experience natural maternal or paternal concerns, depression, anhedonia (inability to experience pleasure)		
alcohol, amphetamine, cocaine, LSD, MDMA, PCP, nicotine	(Norepin	NE nepherine) ousal	no energy, depression, lacks motivation, ambition, and drive		
Alcohol, barbiturates, benzodiazepines, marijuana, PCP	(Sero	SE otonin) al stabilizer	lack of rational emotion, irritability, depression, unexplained tears, sleeplessness		

Psychoeducation Part II: Topics & Focus (continued)	Pages & Location			Presentation Suggestions	Time-Frame with Crisis Processing	Time-Frame without Crisis Processing
Drugs Disrupt Neurotransmitter Activity	Serves As			NOT Working Properly Results In	continued	continued
alcohol, anabolic steroids, heroin and other opioids, marijuana, PCP	END (Endorphins) physical pain management)	lack of adequate pain management, unable to experience pleasure		
alcohol, amphetamine, cocaine, marijuana, nicotine, LSD, PCP	ENK (Enkephalins) emotional pain management)	emotional stress, sense of being incomplete, inferior, unworthy, inadequate		
Reaching Desired Results Becomes More Diffic	Subject 3-40 – 3-41		Sui	mmarize three paragraphs.		
Reaching Desired Results Becomes Impossible – Subject Summarize paragraph Using Just to Feel "Normal" 3-41			mmarize paragraph.			
To the Group: What questions or comments do you have?					V	
Crisis Processing					Time-Frame	
 Ask the group member(s) to tell the group what happened. Explore options and/or develop an immediate plan for coping. Allow the group to offer support. 					10 Minutes	
Group "Paper Work"				Time-Frame		
Group participants fill out Group Notes.			5 Minutes			
Group Closure				Time-Frame		
 Ask group participants how this information that alcoholism and other drug addiction is located in the workings of the brain – not in character – can be helpful in their recovery?, <i>or</i> Read a daily brief meditation for the day, <i>or</i> Ask each group member to name something they are grateful for today, <i>or</i> Ask a group member to read aloud an inspirational reading or message of your choice. 			5 Mi	nutes		