## 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 1/3<sup>rd</sup> 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.
- It is recommended that a minimum of 1/3<sup>rd</sup> 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**

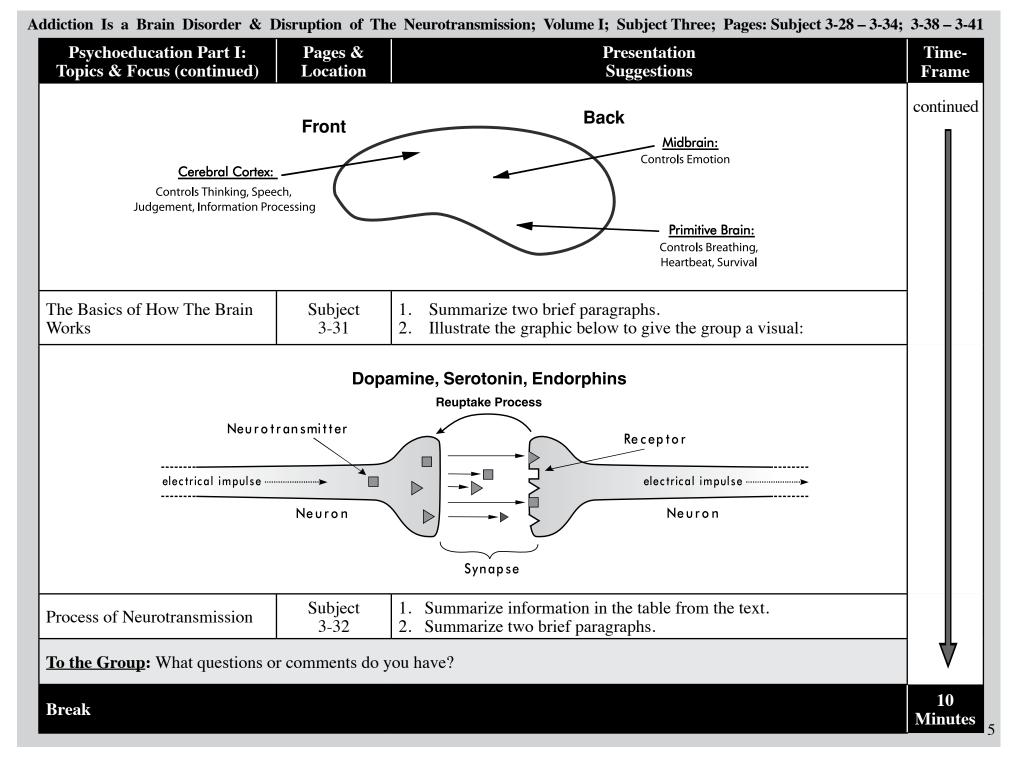
Practicing subject material is the best way participants can internalize and personalize the curriculum content. Practice includes the group interactions, worksheets, exercises, handouts, and content discussions.

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Based on a 2-Hour group: Two 50-Minute Segments Group Beginning and Prepare Group						
						Positive group beginning (suggestions are located on the previous page).
<ol> <li>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.)</li> <li>a. Ask the group members to tell the group their name.</li> <li>b. Welcome any group members who are new to this group or phase.</li> </ol>	10 Minutes					
<ol> <li>Crisis Processing (when requested and optional):         <ul> <li>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.</li> <li>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.</li> </ul> </li> </ol>						
Summarize Introduction of the Group Topic and Why It's Important (page 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 <i>do</i> 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 <i>before</i> use.	5 Minutes					
Approximately 10% of the population <i>without</i> a family history of substance dependence in their first and/or second- generation relatives will develop addiction. Yet there is a <i>much greater</i> vulnerability among individuals who <i>do</i> 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 <i>addictive response</i> 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 <i>not</i> developing dependency.						
How do we know if a person with higher risk actually <i>does</i> 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.						

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Psychoeducation Part I: Topics & Focus	Pages & Location	Presentation Suggestions	Time- Frame				
<ol> <li>To Facilitator(s):         <ol> <li>Group participants at all functioning levels are very interested in the neurochemistry of their disorders.</li> <li>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.</li> </ol> </li> <li>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.</li> <li>In this group it is important to discuss the basics of neurochemistry and how the brain works during "typical" neurotransmission.</li> <li>Yet it is <i>more</i> important to leave adequate time to discuss how the brain responds to alcohol and other drugs in the <i>addictive process</i> among individuals with the brain chemistry of chemical dependency.</li> <li>Yet is a protein the tore and understanding that there are a number of differences in brain chemistry among people who have chemical dependency.</li> <li>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 <i>their</i> disorders – a respect we all appreciate and deserve from our providers. Participants also get the general idea that there are 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 <i>general</i> understanding.</li> </ol>							
Addiction Is a Brain Disorder	ion Is a Brain Disorder Subject 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 3-29	Summarize two paragraphs.					
Addition Is Found in Brain Chemistry Differences	ion Is Found in Brain Chemistry Subject Summarize three paragraphs						
Basics of Brain Anatomy	Subject 3-30 Subject the brain: (It would be helpful to give a visual. You can either draw the following graphic or point to your head - top, middle, and base.)						
Similarities Among Anxiety Disorders	milarities Among Anxiety Disorders Subject 2-23 Discuss the key similarities found in the table.						



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Psychoeducation Part II: Topics & Focus	Pages & Location		Presentation Suggestions	Time-Frame with Crisis Processing	Time-Frame without Crisi Processing	
Standard Neurotransmission Activity Involved in the Addictive Process	Subject 3-32	Simply name the serves as, and the working properly	10 Minutes	15 Minutes		
Neurotransmitter	Serv	Serves As Working Properly Results				
<b>DA</b> (Dopamine	reward	and pleasure	sense of well-being			
NE (Norepinepherine)		rousal	energy, motivation, drive			
SE (Serotonin)	emotior	al stabilizer	rational emotions, self-esteem			
GABA (Gamma Amino Butyric Acid)	) stress n	nanagement	tranquilizer, calmness			
END (Endorphins)	physical pa	in management	produce feelings of pleasure			
ENK (Enkephalins)	emotional p	ain management	self-esteem, completeness			
ACE (Acetycholine)	conc	entration	thinking, memory			
Identification of The Reinforcement or Reward Pathway	Subject 3-33					
The Mesolimbic System and the Medical Forebrain Bundle	Subject 3-33					
"Like" Pathway		3	Back			
To the Group: What questions or comn	nents do you hav	/e?				
The Effects of Addictions on The Reward Pathway	Subject 3-33 – 3-34	Summarize four				
Psychiatric Medications Are Not The Same as Drugs of Abuse	Subject 3-34	Summarize parag	graph.		V	

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Pages & Location	Presentation Suggestions		Time-Frame with Crisis Processing	Time-Frame without Crisis Processing
Subject 3-34	Summarize three paragraphs.			
Subject 3-38	Summarize three paragraphs.			Minutes
Subject 3-38 - 3-39	Summarize information in table.			
nments do you have	e?			
Subject 3-39	Summarize paragraph.			
	Simply name the neurotransmitter, what it serves as, and the results when it is <i>not</i> working properly.			
Serves As	NOT Working Properly Results In			
ACE (Acetycholine) concentration, memory		confusion, difficulties in short-term memory, and problems concentrating		
DA (Dopamine) reward and pleasure		Lack of remorse about action, don't experience natural maternal or paternal concerns, depression, anhedonia (inability to experience pleasure)		
NE (Norepinepherine) arousal		no energy, depression, lacks motivation, ambition, and drive		
SE (Serotonin) emotional stabilizer		lack of rational emotion, irritability, depression, unexplained tears, sleeplessness		
	LocationSubject 3-34Subject 3-38Subject 3-38 - 3-39Subject 3-38 - 3-39Subject 3-39Subject 3-39 - 3-40Subject 3-39 - 3-40Serves AsACE (Acetycholine) concentration, merDA (Dopamine) reward and pleasNE (Norepinepherin arousalSE (Serotonin)	LocationSubject $3-34$ SummerSubject $3-38$ SummerSubject $3-38 - 3-39$ SummerSubject $3-39 - 3-40$ SummerSubject $3-39 - 3-40$ Simple and theServes AsACE (Acetycholine) concentration, memoryDA (Dopamine) reward and pleasureNE (Norepinepherine) arousalSE (Serotonin)	LocationSuggestionsSubject 3-34Summarize three paragraphs.Subject 3-38Summarize three paragraphs.Subject 3-38 - 3-39Summarize information in table.nments do you have?Subject 3-39Subject 3-39Summarize paragraph.Subject 3-39Simply name the neurotransmitter, what it serves as, and the results when it is <i>not</i> working properly.Serves AsNOT Working Properly Results InACE (Acetycholine) concentration, memoryConfusion, difficulties in short-term memory, and problems concentratingDA (Dopamine) reward and pleasureLack of remorse about action, don't experience natural maternal or paternal concerns, depression, anhedonia (inability to experience pleasure)NE (Norepinepherine) arousalno energy, depression, lacks motivation, ambition, and driveSE (Serotonin)lack of rational emotion, irritability, dameasion unaxplained targe shapelageners	LocationSuggestionsProcessingSubject 3-34Summarize three paragraphs.20Subject 3-38Summarize three paragraphs.20Subject 3-38 - 3-39Summarize three paragraphs.20Subject 3-38 - 3-39Summarize information in table.100nments do you have?Subject 3-39Summarize paragraph.Subject 3-39Summarize paragraph.100Subject 3-39 - 3-40Simply name the neurotransmitter, what it serves as, and the results when it is <i>not</i> working properly.Serves AsNOT Working Properly Results InACE (Acetycholine) concentration, memoryConfusion, difficulties in short-term memory, and problems concentratingDA (Dopamine) reward and pleasureLack of remorse about action, don't experience natural maternal or paternal concerns, depression, anhedonia (inability to experience pleasure)NE (Norepinepherine) arousalno energy, depression, lacks motivation, ambition, and driveSE (Serotonin)Lack of rational emotion, irritability, damension_unaxplained targe classpace

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<b>Psychoeducation Part II:</b> <b>Topics &amp; Focus (continued)</b>	Pages & Location			<b>Presentation</b> 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 Mo Difficult	ore Subject $3-40-3-41$ Summarize three paragraphs.		ummarize three paragraphs.				
Reaching Desired Results Becomes Impossible – Using Just to Feel "Norm			ummarize paragraph.				
To the Group: What questions or cor	nment	s do you have?					
		Crisis P	ro	cessing	Time- Frame		
<ol> <li>Ask the group member(s) to tell the group what happened.</li> <li>Explore options and/or develop an immediate plan for coping.</li> <li>Allow the group to offer support.</li> </ol>							
Group "Paper Work"						Time- Frame	
Group participants fill out Group Evaluations.						5 Minutes	
Group Closure					Time- Frame		
<ol> <li>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></li> <li>Read a daily brief meditation for the day, <i>or</i></li> <li>Ask each group member to name something they are grateful for today, <i>or</i></li> <li>Ask a group member to read aloud an inspirational reading or message of your choice.</li> </ol>						5 Minutes	