Conceptualization of Hypersexual Disorder with the Behavioral-Cognitive Inhibition Theory

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Hypersexual disorder is conceptualized with the behavioral-cognitive inhibition (BCI) theory. The current article focuses on the following aspects: (a) triggers of dysfunctional sexual behaviors and fantasies, (b) dysfunctional beliefs of excessive sexual behaviors and fantasies, (c) negative interpretations of triggers of sexual behaviors and fantasies, (d) excessive sexual behaviors and fantasies as avoidance behaviors, (e) consequences of excessive sexual behaviors and fantasies vs. healthy coping strategies, (f) sexual behaviors as inhibitors of distressing memories associated with negative beliefs, (g) sexual fantasies and other valued memories as inhibitors of dysfunctional memories associated with negative beliefs, and (h) behavioral activation of valued activities as inhibitors of sexual behaviors and distressing memories. Some important issues are discussed.

Keywords: Behavioral-Cognitive Inhibition Theory; Hypersexual Disorder; Negative Beliefs; Avoidance Behaviors; Inhibition; Valued Memories; Dysfunctional Memories

Introduction

The aim of this article is to conceptualize hypersexual disorder, in accordance with the proposed criteria for the DSM-V, with the behavioral-cognitive inhibition theory. An initial attempt to such a conceptualization has been made (Paunovic, 2010a). The behavioral-cognitive inhibition theory was first introduced in order to conceptualize posttraumatic stress disorder (PTSD) and other psychopathology disorders (Paunovic, 2010b). The current conceptualization has been developed by taking into consideration (a) important factors in current conceptualizations and treatments of hypersexual-related disorders (Adams & Robinson, 2001; Gilliland, South, Carpenter, & Hardy, 2011; Giugliano, 2006; Hardy, Ruchty, Hull, & Hyde, 2010; Howard, 2007; Kingston & Firestone, 2008; Klontz, Garos, & Klontz, 2005; Putnam, 2000; Robinson, 1999; Samenov, 2011; Yoder, Virden, & Amin, 2011), and (b) the authors’ clinical experience with hypersexual disorders in the context of a current research project. The aim of this project is to develop an effective cognitive-behavioral treatment for hypersexual disorder. The current article focuses on the development of a theoretical model whose aim is to pinpoint proposed maintaining factors in hypersexual disorder (see Figure 1). These factors include:

(a) Negative beliefs and interpretations of hypersexual behaviors, fantasies, urges, triggers and consequences;
(b) Avoidance and escape functions of sexual behaviors and fantasies;
(c) Dysfunctional inhibition of valued memories by negative memories associated with dysfunctional beliefs or by current contingencies, and;
(d) Correction of dysfunctional respondent-functional-beliefs memories that maintain dysfunctional sexual behaviors and fantasies.

Triggers of Excessive Sexual Behaviors, Fantasies and Urges

Four different categories of triggers that may set of hypersexual behaviors, fantasies and urges. Triggers include sexual and non-sexual related stimuli, and they can be external vs. internal (i.e., environmental vs. cognitions and memory).

External Sexual-Related Triggers to Hypersexual Behaviors, Fantasies and Urges

External sexual-related stimuli that trigger sexual behaviours, fantasies and urges. Triggers include sexual and non-sexual related stimuli, and they can be external vs. internal (i.e., environmental vs. cognitions and memory).

External Non-Sexual-Related Triggers to Hypersexual Behaviors, Fantasies and Urges

External non-sexual-related triggers include (a) individuals, situations or events that elicit negative emotions, (b) current distress, stress or crisis, or (c) stimuli that elicit positive emotions and sexual feelings or interest.
Negative emotions, that constitute emotional responses to current environmental stimuli, such as loneliness, boredom, sadness, anxiety or anger, can start to function as triggers to excessive sexual activities.
Sexual-Related Memories as Triggers to Hypersexual Behaviors, Fantasies and Urges

Memories of negative sexual experiences may function as triggers to start engaging in current sexual behaviours and fantasies. Negative sexual experiences may include sexual assault or other types of negative sexual experiences. Negative sexual experiences, distressing emotional and physiological responses, and negative meanings and behaviours become encoded (perceived) and stored in memory. The activated negative sexual memories include memories of the event, distressing emotions and physiological responses, negative meanings, and behaviours. Such distressing memories may become further negatively elaborated by post-event sexual and non-sexual distressing experiences. Activated negative sexual-related memories may start to function as a trigger to hypersexual behaviours, fantasies and urges.

Pleasurable sexual experiences with consenting adults or other types of pleasurable sexual activities become encoded and stored in memory. Such memories consist of the sexual-arousing stimuli, the sexual activities and behaviours, the sexual emotional and physiological responses and the meanings attached to the activity. The activation of pleasurable sexual memories may act as a trigger to start to engage in positively reinforcing sexual activities or behaviours in the current situation. Additional pleasurable sexual activities reinforce the sexual memory triggers. The pleasurable sexual memories may expand in terms of additional stimuli and responses that become associated with sexual pleasure. Some individuals feel so compelled by the urge to satisfy one’s sexual pleasure in the short-term, that the potential negative consequences are not currently considered.

Non-Sexual-Related Memories That Act as Triggers to Hypersexual Behaviors, Fantasies and Urges

Various types of negative life experiences are associated with distressing emotions, physiological responses, dysfunctional coping behaviors and negative meanings that become encoded and stored in memory. The activation of unprocessed negative memories, or memories with excessively negative meanings (e.g., trauma, distressing interpersonal events e.g. bullying or conflicts, distressing medical conditions of self or others, loss of significant others etc.), leads to psychological distress. The activation of negative memories that lead to emotional distress may act as a trigger to start engaging in hypersexual behaviors, fantasies and/or urges.

Negative or Dysfunctional Beliefs about Excessive Sexual Behaviors

It is proposed that negative interpretations of hypersexual behaviors, fantasies and urges contribute to the maintenance of the disorder.

Hypersexual behaviors and fantasies, that lead to distress and negative consequences in ones functioning in important life areas (job, interpersonal, leisure etc.), may be interpreted as uncontrollable and as indications of that one is an incompetent individual. Enrenched beliefs that one cannot control one’s hypersexual behaviors, fantasies or urges contribute to the maintenance of hypersexual disorder. In addition, beliefs that one cannot cope adequately with negative emotions and distress associated with daily endeavors, contribute indirectly to the maintenance of hypersexual disorder. This is because hypersexual behaviors and fantasies are utilized as dysfunctional alternatives to adequate coping.

An entrenched belief that an exposure to triggers of sexual fantasies or urges will inevitably lead to sexual behaviors, increases the risk to engage in the latter. If sexual behaviors lead to an increased risk to negative consequences (e.g. relationship, job, economic), and if such beliefs are correct, it may be important to avoid such triggers for the time being, while developing adequate coping strategies.

The belief that excessive sexual behaviors, fantasies and urges are addictions is dysfunctional. Healthy sexual needs and behaviors are not disorders that people need to control and abstain from. Sexuality is a biological necessity (survival of the species) and a pleasurable activity at its best. The view that troubled couples must abstain from sexual activities with each other may lead to negative consequences for the relationship. The view that a couple must abstain from sex in a shaky relationship because such an activity is viewed as an addiction may lead to a deterioration in the relationship, especially if it is the most pleasurable activity for the couple. Also, if a dysfunctional sexual activity that is a bad habit is conceptualized as an addiction, the problematic sexual behavior may be attributed to a “disorder”, and not to the individuals own responsibility.

Different types of negative interpretations of excessive sexual behaviors, urges and fantasies are usually associated with different types of concomitant emotional responses. Here are a couple of examples. The belief that hypersexual behaviours are dangerous (e.g., that they may lead to feared negative consequences) leads to anxiety and fear. The belief that sexual behaviours, fantasies or urges are indications of that oneself is a bad person leads to shame. The belief that sexual behaviours, fantasies and urges are actions that harm others emotionally may lead to feelings of guilt. The belief that one’s sexual behaviours has led to interpersonal loss (e.g., abandonment by partner) may lead to emotions of sadness and grief. Sometimes such beliefs may be functional (if one abstains from engaging in sexual activities with negative consequences), and sometimes they are non-functional (only adding to a person’s emotional distress).

Some individuals hold the belief that they must engage in sexual behaviors, fantasies or urges in order to feel good about themselves. Sexual behaviors are viewed as a means of coping (e.g. soothing oneself). Distressing situations or activated memories may trigger the belief that “I must engage in sexual activities in order to feel better”. That is, some individuals hold the belief that sexual behaviors and fantasies have an important soothing function when negative emotions are experienced. For example, boredom and loneliness may trigger such a belief. Boredom may trigger specific thoughts that sexual behaviors and fantasies are the only means to become stimulated in one’s otherwise dull and boring everyday life. Feelings of loneliness may trigger specific thoughts that the only means to escape the loneliness in the present moment is to engage in sexual behaviors, fantasies and urges.

Some people hold the belief that sexual behaviors and fantasies is the most effective way to reduce stress (e.g., engage in cybersex during job time) or to reduce the negative emotional consequences of stress (e.g., go to a striptease club after work). The maintenance of such beliefs increases the risk that sexual behaviors and fantasies will continue to be used as effective stress-reducing coping strategies in the short-run. However,
such sexual behaviors and fantasies may also lead to harsh negative consequences (e.g., job loss or relationship strains).

Non-sexual related shame may trigger a belief that sexual behaviors or fantasies may effectively shut down the feelings of shame. Also, sexual behaviors and fantasies may be believed to be an indication of that oneself is a bad person, which leads to further shame. The urges to engage in sexual behaviors and fantasies may be stronger than shame-related beliefs and emotions. Shame-related beliefs about sexual behaviors and fantasies may express themselves in shame-attacks directed to oneself. It usually may consist of an internal repeating self-punishing dialogue with the content that oneself is a very bad person. The engagement in sexual behaviors and fantasies may trigger beliefs such as “I am filthy and despicable” and elicit feelings of shame. Shame may lead to a concealing response so that the individual hides his/her sexual behaviors and fantasies to others. There is a fear that being exposed to an engagement in sexual behaviors and fantasies will lead to verbal condemnation in line with the shame-related attacks on oneself.

An individual may feel guilty for engaging in sexual behaviors and fantasies (Gilliland, South, Carpenter, & Hardy, 2011). The guilt may be about the consequences of the sexual behaviors and fantasies, or about the sexual behaviors and fantasies themselves. To what extent does sexual-related guilt make sense? And to what extent does it constitute cognitive distortions? The answers to these questions are probably context-related. On the one hand, some sexual behaviors and fantasies may hurt other people emotionally (e.g., guilt is a logical response). On the other hand, engaging in some sexual behaviors and fantasies may sometimes only be about one’s values. For example, watching porn may to one person be a normal activity. However, when one’s partner doesn’t approve or views such behaviors as infidelity, then there is a clash in values regarding the specific sexual activity. Another negative belief is to deem such sexual activities as morally wrong. Such beliefs may cause distress in individuals for sexual behaviors that may be considered acceptable, or within the limits of normal sexual behavior for most people.

Excessive sexual behaviors, fantasies and urges may be interpreted as indications of a psychological disturbance, i.e., that there is something seriously defective about oneself. Sexual behaviors and fantasies are behaviors that can be enacted on a continuum in terms of frequency, intensity and duration. Negative beliefs about sexual behaviors and fantasies that are within the limits of acceptable sexual behavior for most people can lead to psychological distress and other negative consequences in important life areas. The belief that sexual behaviors, fantasies and urges are symptoms of a psychological disturbance, behaviors and reactions acceptable in society, may be dysfunctional. If an elevated frequency, intensity and duration of acceptable sexual behaviors leads to psychological distress and decreased functioning in important life areas, then such behaviors may be viewed as elevated normal sexual behaviors that need to be better controlled or decreased.

The belief that pleasurable sexual behaviors and fantasies are positive, despite negative consequences to oneself and others (relationship, job, emotional, economic etc.), should be considered dysfunctional. Infidelity may constitute excessively pleasurable activities that are viewed very positively. However, if it hurts one’s partner and leads to disruptions in a significant relationship, then positive beliefs about infidel sexual activities are dysfunctional. Also, pleasurable sexual behaviors and fantasies that take up too much time (e.g., cyberporn) may compromise other important engagements. If other important engagements become seriously compromised because time is wasted on sexual activities, then the positive beliefs about such activities should be considered dysfunctional in relation to the compromised engagements.

**Negative Interpretations of Stimuli That Function as Triggers to Excessive Sexual Behaviors**

**Negative Beliefs and Interpretations of Negative Emotions Related to Current Situations as Triggers**

Unwanted negative emotional experiences may function as triggers to hypersexual behaviours. The content of negative beliefs and interpretations of current situations or stimuli are logically tied to specific emotional responses. Specific beliefs and interpretations and their emotional consequences may start to function as triggers to excessive sexual behaviors and fantasies. Situations that are interpreted as indications of that one has been violated in personal ways, or that one has been seriously hampered in achieving a personally important goal, often lead to emotions of anger. Situations that are interpreted as that one has no stimulating or meaningful activities to engage in may lead to emotions of boredom. Beliefs that oneself is inadequate, that other people are non-helpful or untrustworthy, and that the future is full of unattainable obstacles often lead to low mood, depressive-like emotions and sadness. The belief that specific situations or stimuli are dangerous leads to emotions of anxiety and fear. Stressful situations that are interpreted as too demanding may lead to emotional stress responses. Negative unwanted emotions such as anger, boredom, anxiety, fear, sadness and low mood may start to function as triggers to excessive sexual fantasies and behaviors.

**Negative Beliefs and Interpretations of Relationship-Related Situations and Problems as Triggers**

A partner that is believed to be too demanding may result in emotional distress. Such distress may act as a trigger to excessive sexual behaviors and fantasies. The belief that a partner is too demanding may relate to non-sexual or sexual issues. Beliefs and interpretations of the partner as excessively demanding are subjective. They may reflect behaviors that may be viewed as more or less “objectively demanding” by outside observers. Subjective experiences of demanding partners may differ extensively with regard to what is deemed to be demanding, and the subjective threshold of what needs to happen for this subjective experience to be felt. Other contributing factors should be taken into consideration. Does the client have deficits in coping capabilities with regard to handling demanding situations? Is the frequency, intensity and/or duration of a partners demands extensive (i.e., is a client’s experience realistic) יחafa? Does the client give in to a partner’s demands due to a fear of being negatively evaluated? Do sexual behaviors and fantasies temporarily alleviate short-term sexual or non-sexual perceived demands from a partner?

If a partner has less sexual interest or need than a client who wants to engage in sexual activities more often, this may result in a belief that one cannot meet one’s sexual needs with the partner. The client may start to engage in sexual behaviors and
fantasies without the partner (e.g., internet porn or sexual activities with other people). The partner may hold the belief that the client is a sex addict, or is inadequate in other ways (e.g., doesn’t care, isn’t interested in oneself, doesn’t listen etc.). Thus, negative responses from the partner with regard to sexual activities may trigger a belief that the partner is sexually inadequate and lead to the exacerbation of sexual behaviors and fantasies without the partner.

Entrenched beliefs that oneself is lonely and the emotional experience of loneliness may trigger an excessive engagement in sexual behaviors and fantasies. Entrenched beliefs of loneliness may be triggered by unprocessed memories of earlier negative interpersonal experiences (e.g., abandonment or separation experiences). Intimacy with others may be viewed as threatening because it may trigger beliefs of repeated abandonment. A current partner may be viewed as non-trustworthy due to a fear that he/she is going to abandon oneself. In order to suppress such beliefs and fears, a client may start to engage in excessive sexual behaviors and fantasies. Consequently, the belief is maintained due to a lack of adequate cognitive and emotional processing. Since such sexual behaviors and fantasies suppress one’s fear of intimacy and abandonment temporarily, the dysfunctional beliefs of abandonment are maintained. However, a partner’s responses to dysfunctional sexual behaviors and fantasies may lead to real abandonment in the long run if the partner finds such behaviors excessively distressing.

Negative Interpretations of One’s Sexual Functioning as Triggers

The theme “porn impotence” has to do with the belief that oneself is sexually impotent with one’s partner. If a client is able to react sexually by other means (e.g., cybersex, sexual activities with others), then “I am porn impotent” is a faulty assumption. “Inability” to sexually react towards one’s partner may be due to alternative explanations. A couple of possible alternative explanations are presented next. First, a lack of sexual responses towards one’s partner may be due to sexual satiation as a result of other sexual behaviors and fantasies, sexual stimulation (e.g., masturbation), and resulting ejaculation or orgasm. Second, a lack of sexual responses towards one’s partner may be due to the fear that one’s partner sees oneself as sexually unattractive or inadequate. Third, a lack of sexual responses towards one’s partner may be due to the client perceiving the partner’s physical appearance as unattractive or behaviors as sexually non-appealing. Fourth, relationship conflicts and intimacy problems with the partner may lead to a diminished sexual interest towards the partner.

Negative Beliefs and Interpretations of Sexual- and Non-Sexual Related Memories as Triggers

Sexual pleasurable memories may be viewed as desirable and function as triggers to plan and engage in excessive sexual behaviors and fantasies. By dysfunctional is meant any behaviors and fantasies that lead to negative consequences to oneself and/or others (e.g., emotionally, legally, health-related, monetary etc.). Distressing sexual memories (negative sexual experiences, sexual assault etc.) may be interpreted negatively and motivate an engagement in excessive sexual behaviors and fantasies. The function is to shut down the negative meaning and emotions associated with non-processed distressing sexual-related memories.

Distressing non-sexual memories associated with excessively negative beliefs and interpretations may, when triggered, generate psychopathology symptoms. Psychopathology symptoms may be negatively interpreted and lead to negative or dysfunctional beliefs about oneself, other people and the world. Negative beliefs that are associated with negative or distressing non-sexual memories, contribute to the maintenance of psychopathology symptoms. The strategies that are used in order to get rid of these symptoms, in the form of sexual behaviors and fantasies, contribute in the maintenance of negative beliefs and interpretations. If excessive sexual behaviors and fantasies are continuously utilized in order to shut down psychopathology symptoms, then the individual doesn’t learn new alternative beliefs associated with one’s personal negative memories, and the role of sexual behaviors and fantasies in one’s psychopathology symptoms.

Negative Interpretations of Inhibited Valued Memories as Triggers

Distressing memories associated with negative beliefs and current distressing circumstances may inhibit valued memories associated with significant relationships, sexual experiences, job careers, leisure activities etc. Valued memories may become inhibited and more or less non-accessible. Such an inhibition may lead to depressive symptoms such as an increased sense of meaninglessness, diminished interest in previously appreciated activities, decreased ability to feel positive emotions and diminished motivation to relate to other people. Such reactions may be negatively interpreted and lead to the development of dysfunctional beliefs such as (a) that one is unable to experience positive activities and emotions, or (b) negative beliefs about oneself, other people or the world. Such negative beliefs may become triggers of excessive sexual behaviors and fantasies.

Minimization of Consequences of Excessive Sexual Behaviors and Fantasies as a Trigger

One kind of negative belief that can function as a trigger to excessive sexual behaviors and fantasies is the faulty thought pattern minimization. Minimization is defined as some people’s tendency to downplay the role of negative consequences of engaging in dysfunctional sexual behaviors and fantasies. The more distress or harm that is a consequence of sexual behaviors and fantasies, the more dysfunctional minimization of these sexual behaviors and fantasies becomes. For example, if an individual ignores the risk of engaging in cybersex during work-time, and one’s employer finds out about such activities, job loss may follow. Or, if a spouse harbors excessively negative beliefs about cybersex, relationship strains may follow when such activities are discovered. Precautionary measures may be initiated in order to minimize the risk of becoming discovered. However, if such negatively valued sexual behaviors and fantasies become discovered, negative consequences may follow. A client needs to learn in advance how it would feel to be faced with interpersonal, job or other significant negative consequences in one’s life as a direct result of one’s engagement in dysfunctional sexual behaviors.

Excessive Sexual Behaviors and Fantasies as Avoidance Behaviors

Sexual behaviors and fantasies can have the following psy-
Sexual behaviors and fantasies may indirectly be maintained. If the circumstances don’t change, the function of the sexual behaviors and fantasies has to constantly engage in hypersexual behaviors and fantasies. In order to hold feelings of loneliness at bay in the short-term one may avoid engaged in hypersexual behaviors and fantasies. In some cases, this may be due to a job loss, relationship break-up or other reasons. People who have been severely bullied earlier in life may suffer severe psychological consequences (e.g., depression, negative self-view etc.). The activation of unprocessed bullying memories that are related to excessively negative beliefs may be avoided by an engagement in sexual behaviors and fantasies. If distressing bullying memories are activated they may be shut down by an excessive engagement in sexual behaviors and fantasies.

Avoiding Negative Emotions Triggered by Current Circumstances with Sexual Behaviors and Fantasies

Current circumstances may be such that an individual lives a lonely life. Sometimes this may be due to a job loss, relationship break-up or other reasons. Feelings of loneliness may be avoided by engaging in hypersexual behaviors and fantasies. In order to hold feelings of loneliness at bay in the short-term one has to constantly engage in hypersexual behaviors and fantasies. If the circumstances don’t change, the function of the sexual behaviors and fantasies may be maintained.

Sexual behaviors and fantasies may be utilized as relaxation strategies in response to stress behaviors. This means that sexual behaviors and fantasies may indirectly maintain stress behaviors by reducing the short-term negative stress-related consequences. Furthermore, sexual behaviors and fantasies may be an avoidance strategy to perceived or real demands, contributing to the procrastination of important activities (e.g., job, interpersonal, other endeavours).

Sexual behaviors and fantasies may constitute functional responses to relationship-related dissatisfaction. Dissatisfactions may stem from an impoverished sexual life with the partner, verbal conflicts, distressing demands from the partner, loss of sexual interest from the partner or other types of relationship problems. Sexual behaviors and fantasies as coping strategies don’t learn the individual to cope with the real problems in the relationship. It only leads to a temporary relief from the emotional consequences of the relationship issues.

Some individuals harbor an irrational fear of intimacy with other people (e.g., one’s partner). An engagement in certain sexual behaviors and fantasies may keep such fear at bay.

Sexual behaviors or fantasies may have the function of soothing physical pain caused by physical injuries. People who have irrational fears of being abandoned may handle this fear by temporarily engaging in certain sexual behaviors and fantasies. This temporarily soothes or decreases the fear of abandonment.

Emotions of sadness and depressive-like symptoms may be a response to current circumstances or due to the activation of unprocessed distressing memories associated with negative beliefs. Such emotions may be undesirable and coped with by an engagement in sexual behaviors and fantasies that temporarily inhibit feelings of sadness and depressive-like symptoms.

Loss of significant others due to e.g. terminal medical conditions or traffic accidents leads ordinarily to acute grief reactions, and sometimes to posttraumatic stress symptoms. The natural grief process may be halted if the individual starts to engage excessive sexual behaviors and fantasies in order to avoid experiencing the grief. In order to keep acute grief out of one’s immediate consciousness and experience, one must constantly engage in sexual behaviors and fantasies.

Anger may constitute a response to a perceived threat (e.g., physical, social, psychological etc.), a means to cope with negative events or emotions, or a consequence of negative interpretations of other people’s or one’s own behavior as unfair etc. Anger may constitute a response to a perceived threat (e.g., physical, social, psychological etc.), a means to cope with negative events or emotions, or a consequence of negative interpretations of other people’s or one’s own behavior as unfair etc. Anger may constitute a response to a perceived threat (e.g., physical, social, psychological etc.), a means to cope with negative events or emotions, or a consequence of negative interpretations of other people’s or one’s own behavior as unfair etc. Anger may constitute a response to a perceived threat (e.g., physical, social, psychological etc.), a means to cope with negative events or emotions, or a consequence of negative interpretations of other people’s or one’s own behavior as unfair etc. Anger may constitute a response to a perceived threat (e.g., physical, social, psychological etc.), a means to cope with negative events or emotions, or a consequence of negative interpretations of other people’s or one’s own behavior as unfair etc. Anger may constitute a response to a perceived threat (e.g., physical, social, psychological etc.), a means to cope with negative events or emotions, or a consequence of negative interpretations of other people’s or one’s own behavior as unfair etc. Anger may constitute a response to a perceived threat (e.g., physical, social, psychological etc.), a means to cope with negative events or emotions, or a consequence of negative interpretations of other people’s or one’s own behavior as unfair etc.
associated with such behaviors. Negative consequences may be related to one’s own beliefs about the specific sexual behaviors and fantasies (e.g., guilt or shame). Or negative consequences may be related to negative responses from significant others, monetary loss or negative job consequences. The short-term pleasurable sexual engagements may hinder an individual from reflecting upon the possible real-life damaging consequences as a result of such behaviors.

Consequences of Excessive Sexual Behaviors vs. Developing Healthy Coping Strategies

The Shut-Down of Distressing Memories Associated with Negative Beliefs

Excessive sexual behaviours and fantasies may maintain distressing memories associated with negative beliefs if the former are functionally related to the latter. This may be due to the following reasons. First, there is a lack of adequate cognitive and emotional processing of issues that the distressing memories and associated beliefs represent. Second, there is no focus on to solving real life problems, i.e., functional coping behaviors have not been developed or are not applied to primary troublesome situations. When excessive sexual behaviours and fantasies are halted the avoided psychological or real life problems have the opportunity to become available in one’s consciousness. Alternative healthy coping strategies must be utilized in relation to one’s non-processed distressing memories. If this is not done, the individual may re-engage in the only coping behavior that has seemed to work in shutting down distressing memories associated with negative beliefs: sexual behaviours and fantasies. Hence, the underlying psychological problems and life issues will be maintained as well as the dysfunctional sexual behaviors and fantasies.

Coping with Stress

Excessive sexual behaviours and fantasies may have two primary functions with regard to coping with stress: (a) to procrastinate from important engagements, activities or duties, or (b) to handle the consequences of primary stress behaviors (i.e., a soothing function). Unless the individual develops healthy strategies on how to deal with primary stress situations their consequences, there is a risk that the excessive sexual behaviors and fantasies will be maintained.

Coping with Negative Emotions in General

When excessive sexual behaviors and fantasies fulfill an avoidance function in relation to negative emotions, the individual must develop alternative coping strategies in order to handle negative emotions and the associated beliefs and life problems. If alternative coping strategies are developed, or existing coping abilities are applied, the function of excessive sexual behaviors and fantasies cease to hold their sole grip on the individual. This is so because other more healthier coping alternatives become possible.

Coping with the Aftermath of Interpersonal Distress

When excessive sexual behaviours and fantasies fulfill a soothing function that decreases interpersonal-related emotional distress (e.g., conflicts with a partner), it is important to develop more functional coping strategies in order to handle the specific interpersonal problems. If this is not accomplished, the client will continue to engage in excessive sexual behaviours and fantasies in order to soothe the aftermath of interpersonal problems.

Experiencing Dysfunctional Sexual Pleasure

When sexual pleasurable activities lead to negative consequences (e.g., interpersonal strain with a partner, job or financial difficulties etc.), the sexual activities are considered to be dysfunctional due to their negative consequences. Here it is crucial to develop consequential thinking that can inhibit impulses related to engagements in dysfunctional sexual behaviors and fantasies. Learning to reflect upon realistic negative consequences as a result of an engagement in dysfunctional sexual behaviours and fantasies is essential in order to be motivated to abstain from such destructive behaviours.

Behavior-Memory Inhibition: Sexual Behaviors as Inhibitors of (A) Distressing Memories Associated with Negative Beliefs, and (B) Current Distressing Stimuli

It is argued that sexual behaviors, associated with positive or functional beliefs that are in opposition to dysfunctional or negative beliefs, may be able to inhibit the latter.

Inhibition of Distressing Sexual-Related Memories

Distressing or dysfunctional sexual-related memories may constitute emotionally non-processed memories. In the last section the view was put forward that sexual behaviors may function as avoidance behaviours. That is, those sexual behaviors may hinder adequate emotional and cognitive processing of distressing sexual-related memories associated with negative beliefs. On the other hand, sexual behaviors may in some circumstances facilitate the opposite function. That is, sexual behaviors may in some circumstances therapeutically inhibit emotions associated with distressing sexual-related memories and lead to an increased psychological and sexual well-being.

The Inhibition of Distressing Relationship-Related Memories Associated with Negative Beliefs

Sexual behaviors may in some circumstances function as inhibitors to distressing relationship memories associated with negative beliefs. In the previous section the view was presented that sexual behaviors may constitute dysfunctional avoidance behaviors to problematic relationship issues that need to be resolved. However, sometimes sexual behaviors may have a positive function in some relationships, and may inhibit some strains associated with some types of relationship difficulties.

Inhibition of Distressing Non-Sexual Memories Associated with Negative Beliefs

Sexual behaviors can likewise function as inhibitors to distressing non-sexual related memories associated with negative beliefs. Once again, in this context sexual behaviors may have a positive function insofar as they may therapeutically inhibit distressing memories associated with negative beliefs.
Inhibition of Emotional Responses to Current Distressing Stimuli

Sexual behaviors may in some circumstances be viewed as positive coping strategies. If such behaviors have a soothing or relaxing function, and if they don’t lead to negative consequences in important life areas, then it is up to the individual who engages in such behaviors to decide whether to engage in them or not.

Memory-Memory Inhibition: Sexual Fantasies and Other Valued Memories as Inhibitors of Dysfunctional Memories Associated with Negative Beliefs

Pleasurable sexual fantasies and other valued memories may function as inhibitors to distressing dysfunctional memories associated with negative beliefs. The distressing memories associated with negative beliefs may constitute distressing sexual memories, negative relationship-related memories or other distressing non-sexual related memories associated with negative beliefs. If the pleasurable sexual or other valued memories are associated with positive or functional beliefs, and if the latter constitute strong evidence against dysfunctional or negative beliefs generated by activated negative or distressing memories, then a healthy psychological functioning will develop.

Behavioral Activation of Valued Activities as Inhibitors of Sexual Behaviors and Distressing Memories

An increased engagement in valued behavioral activities that are related to meaningful relationships, jobs, leisure activities can acquire inhibiting functions. That is, valued behavioral activities may inhibit dysfunctional sexual behaviors, fantasies and urges. Such activities may also function as inhibitors to distressing sexual and non-sexual memories associated with negative beliefs. For this to occur, it is important that the experiences of valued behavioral activities constitute strong evidence that support positive or functional beliefs about oneself, other people and the world. It is also important that the positive or functional beliefs are relevant and strong enough so that they can inhibit the negative or dysfunctional sexual- and non-sexual related beliefs.

Discussion

In the present article hypersexual disorder is conceptualized with the behavioral-cognitive inhibition theory. It is argued that excessive sexual behaviors and fantasies may become associated with dysfunctional negative or positive beliefs. Next, it is argued that excessive sexual behaviors and fantasies have dysfunctional psychological functions. First, their function is to help the individual to cope with distressing situations or memories that are associated with negative or dysfunctional beliefs. Second, sexual behaviors may sometimes only be dysfunctional due to their negative consequences for oneself or other people. Next, it is also argued that sexual behaviors and fantasies in some circumstances may constitute functional behaviors that may inhibit distressing memories associated with negative beliefs, and also current distressing situations.

The article has not focused on biologically related contributing factors such as sexual deprivation and satiation. Excessive sexual behaviors and fantasies are more effective in suppressing or inhibiting negative or distressing emotions and memories when an individual is in a state of sexual deprivation. That is, if an individual has not engaged in sexual activities for a long enough time, one’s natural biological sexual urges become stronger. Hence, when an individual uses sexual activities in a sexually deprived state, he or she will respond emotionally stronger to the sexual activity. Consequently, the stronger the sexual emotional response, the more effectively it will be able to inhibit distressing emotional responses. Conversely, if the individual has engaged excessively in sexual activities and fantasies, and ejaculated or had multiple orgasms for a short period of time, one’s natural sexual biological satiation will lead to decreasingly pleasurable sexual emotional responses. In the latter case, an engagement in sexual behaviors and fantasies when an individual is in a state of sexual satiation, will result in a diminished capacity to suppress negative emotional responses associated with distressing sexual and non-sexual problematic life issues.

A cognitive-behavioral treatment for hypersexual disorder, based on the behavioral-cognitive inhibition theory, should include the following components:

- The identification of triggers that set off excessive sexualbehaviours and fantasies (whether sexual or non-sexual current stimuli or distressing memories associated with negative beliefs);
- The topography of specific excessive sexual behaviours and fantasies; their frequencies, duration and intensity;
- The context in which excessive sexual behaviors and fantasies occur: where, with whom, other important aspects of the situation;
- The psychological function of excessive sexual behaviors and fantasies: to handle distress (negative reinforcement) and/or to get pleasure (positive reinforcement);
- The consequences (both short- and long-term) that follow due to the engagement in excessive sexual behaviours and fantasies;
- The idiosyncratic interpretations and beliefs of triggers, hypersexual behaviours and fantasies, and consequences;
- The inhibition of valued memories and how to through behavioral and cognitive techniques de-inhibit the valued memories;
- The maintenance of dysfunctional respondent-functional-beliefs memories.

The behavioral-cognitive inhibition theory provides a broad and focused conceptualization that can target relevant maintaining factors in hypersexual disorder. The behavioral-cognitive inhibition theory is able to tie together all these problem areas into a coherent framework.

Cognitive therapy that has been developed for the treatment of depression and anxiety disorders (Beck, Emery, & Greenberg, 1985; Beck, Rush, Shaw, & Emery, 1979) may be adapted and utilized in the treatment of excessive sexual behaviors and fantasies. Interpretations and negative beliefs about excessive sexual behaviours and fantasies, and sexual and non-sexual triggers, may be crucial to target in treatment when they contribute to the maintenance of the hypersexual disorder. The focus on beliefs associated with triggers of excessive sexual behaviors and fantasies is important in order to defuse the impact that triggers have on the urge to engage in excessive sexual behaviors and fantasies. The focus on beliefs about excessive
sexual behaviors and fantasies themselves may include both thoughts about the function they serve as well as negative beliefs that may contribute to the maintenance of hypersexual behaviors and fantasies.

Behavioral techniques should focus on two important aspects. First, on the function of the excessive sexual behaviors and fantasies. Second, on behavioral activation and developing competencies that will defuse the impact of triggers that set off excessive sexual behaviors and fantasies.

Imagery techniques can be utilized in order to strengthen memories that are incompatible to negative or dysfunctional memories (Holmes, 2007; Paunovic, 2011). Imagery techniques may be more effective in changing negative cognitions that maintain excessive sexual behaviors and fantasies than cognitive techniques. Imagery may be more effective in eliciting emotions that provide corrective experiences than verbal techniques.

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