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# Chapter Twenty-Four

## Sexual Offending in Psychotic Patients

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### Introduction

In this chapter, we will discuss sexual offending behavior perpetrated by those individuals who suffer from psychotic mental illness (MI) including schizophrenia, bipolar disorder, delusional disorder, and atypical psychoses. The diagnosis of MI is often comorbidly associated with other disorders such as personality disorder and intellectually disabilities. Here we intend to concentrate on those with severe and enduring mental health difficulties. While there is relatively good consensus among researchers and clinicians about the diagnoses of schizophrenia (Hodgins, 2004), and the assessment and treatment of sexual offenders (Beech, Craig, & Browne, 2009), there is a shortage of research on the assessment and treatment of sexual offenders with psychotic MI (Garrett & Thomas-Peter, 2009). As Hodge and Renwick (2002) argue, “there has been a general lack of consideration given to the factors underpinning mentally disordered offenders . . . and examination of motivational issues in this population is long overdue” (p. 221). This is particularly true for sexual offenders with psychotic MI, and as a result, relatively little attention has been paid to the assessment and treatment of those with psychotic MI who display sexually abusive behaviors.

1 Schizophrenia affects less than 1% of adult men and women and bipolar  
2 disorders approximately 1.6%. However, persons who develop psychotic MI are  
3 more likely to be convicted of criminal offenses than those without mental  
4 disorder (Hodgins, 2004). A number of studies have reported higher prevalence  
5 rates for major mental disorders among convicted offenders than those among age  
6 and matched samples (Brinded *et al.*, 1999; Brink, Doherty, & Boer, 2001;  
7 Brooke, Taylor, Gunn, & Maden, 1996). Singleton, Meltzer, Gatward, Coid, and  
8 Deasy (1998), on behalf of the Department of Health, sought to establish  
9 a baseline of the prevalence of psychiatric problems among prisoners in England  
10 and Wales. From 3,142 full interviews at the initial stage and 505 follow-up  
11 interviews, Singleton *et al.* found that 10% of men on remand and 7% of sentenced  
12 men were assessed as having a functional psychosis (such as schizophrenia or manic  
13 depression) in the year prior to interview. However, the number of psychotic  
14 patients who commit sexually abusive behaviors is less well known. UK Home  
15 Office statistics on restricted patients with MI (a subgroup of patients detained  
16 compulsorily under the Mental Health Act, 1983), and a history of sexual  
17 offending, increased from 8.9% of all restricted patients admitted to National  
18 Health Service (NHS) secure mental health facilities in 1983, to 9.5% in 1994  
19 (Sahota & Chesterman, 1998). However, these figures decreased in 2002 to 7.8%  
20 (Home Office, 2003). When considering unrestricted hospital inpatients, the  
21 proportion of sexual offenders with MI has not changed significantly over the  
22 period 1992–2002; 5.9% in 1992, compared with 5.3% in 2002.

23 It is argued less than 8% of men charged with sexual offenses have an  
24 underlying mental illness (Sahota & Chesterman, 1998) and only 0.3% of men  
25 charged with rape have a MI (Craissati & Hodes, 1992). While the prevalence  
26 rates of MI may be higher in offending populations than nonoffending popula-  
27 tions, Sahota and Chesterman (1998) point out that there are few individuals  
28 for whom MI is said to be the cause of sexual offending. Nevertheless, there are  
29 reports of patients who experience command hallucinations in the context of  
30 a schizophrenic illness, having sexually offended as a direct response to auditory  
31 hallucinations (Jones, Hucklele, & Tanaghaw, 1992).

32 When considering the assessment and treatment of sexual offenders with MI it  
33 is important to establish a sound psychological formulation (see Chapter 2) in  
34 order to identify the etiology of the offending behavior (Sahota & Chester-  
35 man, 1998). A number of theories have been developed to explain sexual  
36 offending behavior (see Ward, Polaschek, & Beech, 2006). Rather than review-  
37 ing and summarizing the current theories of sexual offending, in this chapter  
38 we will consider the behavior of sexual offending from a psychodynamic and  
39 neurobiological perspective within a psychiatric framework.

## 40 Psychodynamic and neurobiological perspectives

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44 Psychodynamic theories basically support that various emotions of fear and  
sexual or personal inadequacy, sexual and personal, along with the possible

1 existence of unrecognized homosexual tendencies, interact with aggressiveness  
2 and are directed towards the victim as a substitute for mother, resulting in sexual  
3 abuse.

4 Feminist theory regards rape as a pseudo-sexual act induced by the sociopo-  
5 litical domination of men. During the 1970s rape was a major issue for the  
6 feminist movement, a fact which at least partially was attributed to the belief that  
7 this form of violence was due to the change of roles which women gradually  
8 experienced. It was cited that not only rape but also the fear of a potential rape  
9 serves a mechanism of social control (Brownmiller, 1975).

10 The behaviorist model of “emotional state augmentation” supports that  
11 nonsexual emotional situations act complicatedly with sexual stimulation, in  
12 order to induce sexual response. This is a possible mechanism which is implicated  
13 in the positive (love) and the negative (hate) interactions of a relationship. The  
14 model of “state disinhibition of arousal” suggests that the nonconsensus pain  
15 and suffocation on behalf of the victim, as well as the emotions of fear, cause the  
16 inhibition of rape stimulation in most men. The mechanism in question is  
17 regulated by the ability of a person to empathize. The following dysfunctional  
18 mechanisms defined, concerning the insights or the beliefs of the sexually  
19 aggressive men: (1) Hyperperception of hostility/seductiveness, meaning that  
20 aggressive men have difficulty in discriminating between friendliness and pro-  
21 vocativeness and between claim and animosity. (2) Negative blindness, meaning  
22 that sexually aggressive men are incompetent to realize the negative female  
23 signs. (3) Suspicious attitude, meaning that the sexual aggressive men regard  
24 the female sexual behavior and its relations as unreliable (Malamuth &  
25 Brown, 1994).

26 In the socio-biological theory of Ellis (1989), the biological variables have  
27 evolutionary meaning. According to this theory, men in contradiction with  
28 women, tend to maximize their capacity to mate by having sexual intercourse  
29 with many different partners. Ellis’ theory clearly suggests an almost sexual  
30 incitement in rape, a fact which contradicts the feminist views and those on social  
31 learning. It also suggests that the nonsexual dimensions of the rapists’ behavior,  
32 such as the aggressive and dominative behavior, should be regarded as a strategy  
33 rather than a target.

34 Certain research in prisoners showed that prisoners with a record of violent  
35 crimes had higher testosterone levels, in relation to those with no such record,  
36 while research on the relation between androgens and sexual aggressiveness  
37 showed controversial results (Dabbs, 1997; Giotakos, Markianos, Vaidakis, &  
38 Christodoulou, 2004). Several researches have described the more or less  
39 successful confrontation of sexual aggressiveness using the antiandrogens  
40 medroxyprogesterone acetate (MPA) and cyproterone acetate (CPA)  
41 (Weiss, 1999). The first, effecting directly to the testosterone, inhibits the  
42 excretion of gonadotropins, and the second competes directly with the effect  
43 of testosterone into the receptor of the target organ, resulting to the reduction of  
44 the levels of testosterone. In addition, suppression of the hypothalamic-pitu-  
itary-gonadal axis by a GnRH (Gonadotropin Releasing Hormone) agonist

1 seemed to reduce at a great extent both the testosterone levels and sexually  
2 aggressive behaviors (Rosler & Witztum 1998).

3 There is increasing evidence for the use of selective serotonin reuptake  
4 inhibitors (SSRIs) (Beech & Mitchell, 2005) in treating and managing sexual  
5 arousal in sexual offenders. There is evidence that the use of SSRIs, such as  
6 Prozac (fluoxetine hydrochloride), Luvox (fluvoxamine maleate), Seroxat (par-  
7 oxetine hydrochloride) and Zoloft (sertraline hydrochloride) in the treatment of  
8 sexual offending has been increasing over the past few years. SSRIs inhibit the  
9 reuptake of 5-hydroxytryptamine (5HT) as part of a much more widespread  
10 effect on neurotransmitters (or monoamines). It has been argued that adverse  
11 childhood experiences such as abuse, stress, and insecure attachment produce  
12 biochemical changes in the areas of the limbic areas of the brain that modulate  
13 attachment behaviors. Beech and Mitchell (2005) argue that poor attachment in  
14 childhood and the consequent increased exposure to stressors results in reduced  
15 serotonin 5HT levels, oxytocin and vasopressin function and raised corticoste-  
16 roid release, which can result in hippocampal and striatal damage. Although the  
17 number of studies reporting the use of SSRI in reducing sexual offending are  
18 small, Pearson (1990), Coleman (1991), and Kafka and Coleman (1991) were  
19 probably the first to suggest that problematic 5HT transmission underlies  
20 paraphilic disorder. Kafka (2003) notes that there are now over 200 examples  
21 of the positive uses of SSRIs for the treatment of paraphilias (deviant sexual  
22 urges) or paraphilic disorders, although most of those reported are single case  
23 studies (Adi *et al.*, 2002). In their review of the neurobiological perspective on  
24 attachment in sexual offenders, Beech and Mitchell (2005) note a number of  
25 studies have reported improvements when using SSRIs including decreases in  
26 deviant fantasies, reductions in unconventional/abnormal/paraphilic sexual  
27 behaviors and reductions in obsessions/compulsions regarding aberrant sexual  
28 behavior. The inclusion of SSRI in treatment carried out in conjunction with  
29 traditional cognitive-behavioral therapy has been reported to be effective in the  
30 treatment of sexual offenders (Friendship, Mann, & Beech, 2003; Hanson  
31 *et al.*, 2002). The use of SSRIs might also be useful as an adjunct to schema  
32 based interventions that are beginning to be used for sexual offenders (Mann &  
33 Beech, 2003). This approach addresses enduring personality characteristics and  
34 deficits arising from childhood problems such as abuse, neglect and insecure  
35 attachment.

### 36 37 38 **Psychopathology** 39

40 There is compelling evidence to support a small but significant association  
41 between mental illness and violence generally (Modestin & Ammann, 1996;  
42 Mullen, 2000). Persons who develop MI are more likely than persons with no MI  
43 to be convicted of criminal offenses (Hodgins, 2004). In nonoffender popula-  
44 tions, higher rates of sexually deviant fantasy and behaviors have been found

1 among psychiatric inpatients, compared to nonmentally ill individuals (Alvarez  
2 & Freinhar, 1991). The relationship between major mental illness (e.g., schizo-  
3 phrenia) and sexually offensive behavior is complex and not well understood.  
4 Studies suggest that less than 8% of men charged with sexual offenses have an  
5 underlying mental illness and there are few individuals for whom mental illness is  
6 said to be the cause of sexual offending (Sahota & Chesterman, 1998). Craissati  
7 and Hodes (1992) report that police records show that only 0.3% of men charged  
8 with rape have a MI. Nevertheless, there are reports of patients who report  
9 experiencing command hallucinations in the context of a schizophrenic illness  
10 having sexual offended as a direct response to auditory hallucinations (Jones  
11 *et al.*, 1992). Individuals diagnosed with schizophrenia are approximately four  
12 times more likely to have been convicted of a serious sexual offense than their  
13 nonmentally ill counterparts (Wallace *et al.*, 1998). In a sample of 100 prisoners  
14 convicted for rape or child molestation, half of them had a life-time history of  
15 Axis I disorders and the two thirds had an Axis II diagnosis (Giotakos, Markia-  
16 nos, Vaidakis, & Christodoulou, 2003, 2004). Abel, Becker, Cunningham-  
17 Rathner, Mittleman, & Rouleau (1988) found that 5% of child molesters appear  
18 to be psychotic, although this is a small number. In another sample, one-third  
19 of rapists were diagnosed with depression, while two-thirds were diagnosed  
20 with overuse or dependability from alcohol (Hillbrand, Foster, & Hirt, 1990).  
21 Further studies have reported high frequency of stress disorders (Dewhurst,  
22 Moore, & Alfano, 1992), while others (Seghorn, Prentky, & Boucher, 1987)  
23 found 7% schizophrenia, 2% schizo-emotional disorder, 5% major depression,  
24 and 6% organic psycho syndrome. It is regarded that these percentages are higher  
25 than the average total population of prisons. The 60% of those who were  
26 convicted for rape in New Zealand met the diagnosis criteria of Axis I, according  
27 to DSM-III-R (American Psychiatric Association, 1994), without bearing in  
28 mind the alcohol or other substances overuse (Hudson & Ward, 1997).

29 Examining the disorders of Axis II (Personality Disorders), Seghorn  
30 *et al.* (1987) observed that almost one-third of the sample presented with  
31 a personality disorder, while other researchers found higher levels, even up to  
32 90% (Berner, Berger, Gutierrez, Jordan, & Berger, 1992). Regarding sexual  
33 offenders' personality, studies have shown that they share some common  
34 characteristics, like impulsivity, multiple offensiveness, and difficulty in under-  
35 standing other's emotions. In addition, the presence of antisocial/psychopa-  
36 thetic personality features seems to be a prognostic factor not only for the  
37 most violent sexual crimes, but also for the relapse to a general type of crimes  
38 (Hanson *et al.*, 2002). Some models of sexual aggressiveness focus mostly on the  
39 antisocial personality characteristics and less on other characteristics (Marshall &  
40 Barbaree, 1988).

41 Static predictors of risk for general and violent (nonsexual) recidivism include:  
42 being at a younger age and being single; lifestyle instability, history of rule  
43 violations, alcohol and drug abuse, antisocial behavior, and history of violent  
44 crimes (Gendreau, Little, & Goggin, 1996; Hanson & Bussière, 1998). As an

1 indicator of the presence of antisocial personality traits these factors have  
2 a consistent and strong relationship with recidivism (Andrews & Bonta, 2003;  
3 Quinsey, Harris, Rice, & Cormier, 2006). In their updated metaanalysis,  
4 Hanson and Morton-Bourgon (2005) confirmed that the major predictor of  
5 general and violent recidivism among sexual offenders was an antisocial orien-  
6 tation, demonstrated by antisocial traits and personality and a history of rule  
7 violations.

8 Additionally, a higher rate of substance abuse is often reported. The use of  
9 alcohol in some societies is used as an excuse for rape and sexual assault. It is used  
10 to explain a lack of responsibility both for the perpetrator's actions and for the  
11 victim's alleged compliance. Indeed, Grubin and Gunn (1990) observed a high  
12 prevalence of alcohol use among rapists in the United Kingdom; 58% of men  
13 convicted for rape had been drinking prior to the offense and 37% were  
14 considered to be dependent on alcohol. At least half of the prisoners convicted  
15 of rape were found to have consumed an excessive quantity of alcohol just before  
16 the rape (Seto & Barbaree, 1995), with alcohol being related to sexual aggress-  
17 siveness (Marshall, 1996).

### 20 **Psychotic patients – early life experiences**

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22 Studies of the impact of child physical and sexual abuse have tended to indicate  
23 a relationship with adult psychopathology, particularly depression, substance  
24 abuse, and personality disorder (Wexler, Lyons, Lyons, & Mazure, 1997). In  
25 general, studies of the impact of early life experiences have demonstrated an  
26 association between childhood abuse and a range of adult deviant sexual  
27 behaviors, in particular a link between childhood sexual abuse and pedophilia  
28 (Salter *et al.*, 2003). One study showed a similar or reduced incidence of child  
29 abuse in those with schizophrenia compared with control groups or those with  
30 other psychiatric disorders (Wexler *et al.*, 1997). Another study (Adams, Harper,  
31 Knudson, & Revilla, 1994) examined the clinical correlates of sexually deviant  
32 behavior in a group of approximately 500 adolescents with a range psychotic,  
33 affective, and behavioral diagnoses. While there was no evidence for sexual  
34 deviance in over half the sample, 41% engaged in persistent hypersexual activities,  
35 exhibitionism, or sexually victimizing behavior including molestation and rape.  
36 The deviant adolescents were significantly more likely than nondeviant subjects  
37 to have experienced prior physical abuse (66% v. 52%). Also, significantly more  
38 sexually deviant adolescents had documented histories of childhood sexual abuse  
39 (82% v. 36%).

40 A question often asked is how sexual abuse in childhood sometimes leads to  
41 sexual offending in a given individual? Although there are a number of theories  
42 that attempt to explain this (Ward *et al.*, 2006), the most parsimonious  
43 explanation (from a psychodynamic and neurobiological perspective within  
44 a psychiatric framework) is that progression from victim to offender is more

1 likely when the abuse and reactions to the abuse by the victim and those around  
2 him or her lead to distortions in the victim's perceptions of normal sexuality. As  
3 noted earlier, this may lead to biochemical changes in areas of the limbic area of  
4 the brain that modulate attachment behaviors (Beech and Mitchell, 2005).  
5 These distortions may then develop into maladaptive cognitive processing or  
6 psychological vulnerabilities and belief structures that increase one's vulnera-  
7 bility to offend sexually (see Beech & Ward, 2004). Clearly this is an oversim-  
8 plification of what is a complex and multifactorial process which is captured by  
9 the Beech and Ward's (2004) Integrated Theory of Sexual Offending.

### 11 Preexisting paraphilia

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14 Exhibitionism, as an example of an atypical sexual outlet, has previously been  
15 related to rape offenses (Paitich, Langevin, Freeman, Mann, & Handy, 1977).  
16 Gebhard *et al.* (1965) suggested that one in 10 exhibitionists have seriously  
17 thought about or attempted rape. Abel *et al.*'s (1988) research found that out of  
18 126 rapists who were examined, 44% had sexually assaulted girls outside the  
19 family circle, while 14% had additionally assaulted boys outside the family circle.  
20 However, several significant differences between rapists and pedophiles, related  
21 to the characteristics of the adult and the former development phase have been  
22 found.

23 Sexual assaults by strangers are those most often reported to the police and  
24 represent 36% of all reported rapes. This gives a distorted picture of the  
25 prevalence of rape by someone known to the victim. Date rape, acquaintance  
26 and marital rape are much less likely to be reported to the police but according to  
27 prevalence studies, such as the British Crime Survey, appear to be more common  
28 (45% of rapes as opposed to 8% by strangers). There are few significant  
29 differences between rapists and other men who commit serious crime (Brown-  
30 miller, 1975). All are likely to have low school achievement with a history of  
31 truancy, unstable family backgrounds, poor employment records, and few social  
32 competences (Hudson & Ward, 1997). Furthermore, levels of psychosis, serious  
33 brain dysfunction or intellectual disabilities among adult rapists (5% to 8%) are  
34 similar to the general population (Marshall, 2000).

35 Rapists, compared with pedophiles, tend to be younger (see Craig, 2008),  
36 impose themselves (aggressive) rather than being imposed to (passive), have  
37 been married or connected with a woman for a satisfactory period, and tend to  
38 rarely present mental deficiency or some organic brain syndrome compared  
39 to child molesters (Hudson & Ward, 1997). During the development stages,  
40 rapists compared to pedophiles, tend to come from nondivorced parents, do not  
41 have relatives with psychiatric record, have half possibilities to have experienced  
42 sexual assault, have not presented significant health problems, but have  
43 abused animals and have demonstrated problematic behavior in school (Bard  
44 *et al.*, 1987).

1 For some individuals paraphilic arousal predate the onset of psychiatric  
2 symptoms. Mental illness also may have an impact on the expression of that  
3 paraphilia. The mental illness may exacerbate the deviant behavior, through its  
4 disinhibiting effects on deviant thoughts, or the influence of delusions or  
5 hallucinations. Alternatively, paraphilic sexual behavior may diminish as a result  
6 of decreased libido, disorganization, or anxiety. The negative symptoms of  
7 schizophrenia and the sedative effects of antipsychotic medication may also  
8 influence the patient's capacity to meet his sexual needs in socially appropriate  
9 ways. In a comprehensive set of studies, Smith and Taylor (1999a) reviewed the  
10 files of 84 sexual offenders with a diagnosis of schizophrenia. In 80 cases these  
11 crimes were committed while the men were actively psychotic, but the authors  
12 identified 23 men who sexually offended prior to the onset of schizophrenia. The  
13 same authors found that the schizophrenic sexual offenders with aggressive  
14 sexual fantasies at the time of their index were significantly more likely than those  
15 who denied such fantasies, to have a history of sexual offending prior to the onset  
16 of schizophrenia. These data suggest that in some instances sexual deviance may  
17 predate the onset of schizophrenia, although it is important to note this research  
18 does not propose a causal relationship between the two.  
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### 20 **Positive and negative symptoms of schizophrenia** 21 **in sexual offenders** 22

23 Sexually related hallucinations or delusions may directly influence the appear-  
24 ance of sexually offensive activities. In the Smith and Taylor (1999b) study  
25 mentioned previously almost all the schizophrenic sex offenders reported delu-  
26 sions and/or hallucinations at the time of the index offense. Some 43% of the  
27 sample had delusions and 33% had hallucinations that were directly or indirectly  
28 related to the offense. Thus, the content of delusions and hallucinations would  
29 appear to be relevant to sexual offending in at least some mentally ill patients.  
30 Regarding the disinhibition or impulsivity, patients with schizophrenia have  
31 a reduction in the capacity to inhibit inappropriate behaviors in general. Also,  
32 their deviant thoughts may be experienced as occurring spontaneously, and the  
33 patient acts on his desire with little control, thought, or reflection.  
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35 Social withdrawal, lack of volition and cognitive deterioration compromise the  
36 individual's ability to fulfill his sexual needs in socially appropriate ways and thus  
37 increase the risk of inappropriate acts. Control of such behavior is largely  
38 dependent on treatment of the mental illness and attention to negative symptoms.  
39 For these reasons, sexual offenders with schizophrenia may also benefit from  
40 educative approaches, as well as social skills and victim empathy training (Garrett  
41 & Thomas-Peter, 2009). The executive functions also play a pivotal role in the  
42 initiation and enactment of appropriate behaviors. Reduced attention and verbal  
43 memory have also been implicated in misperception of social cues and poor social  
44 problem-solving. These deficits could give rise to inappropriate sexual behavior.



## Sexual functioning and violence

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A series of common features in the sexual record of perpetrators of sexual violence have been identified. Men who present high levels of sexual aggressiveness seem to have had early and often more loose sexual experiences of sexuality generally and also presented indications of increased morbidity related to paraphilia, as well as increased occupation with pornography. It is commonly accepted that a significant number of rapists have been sexually assaulted during their childhood or have witnessed deviating sexual activity. However, not all those assaulted during childhood present sexual aggressiveness. This fact indicates the existence of other factors which intervene in the course of development of sexual activity, such as the desire to humiliate the victim and the lack of empathy. Several researchers observed that dynamic factors such as social isolation, feelings of inadequacy, and lack of adult intimate sexual relationships impact on sexual recidivism (Beech, 1998; Hanson *et al.*, 2007; Thornton, 2002). In addition, the sexual offenders who had many relationships describe them as superficial. The common element among adult sexual offenders is the failure to contract an intimate sexual relationship, which leads them to isolation. Repeat sexual offenders presented greater difficulties in developing a sexual relationship, distorted attitudes, and obtained poorer scores on the socio-affective functioning and poorer self-management than first-time offenders (Thornton, 2002). Similar were the results among prisoners convicted for sexual offenses, while especially those charged with incest, compared separately with rapists and nonsexual offenders, present higher levels of fear for developing an intimate sexual relationship, while rapists compared with pedophiles present low desire for an intimate relationship with other men and members of their family (Marshall, 1996).

In a sample of sexual and violent offenders referred to a UK Regional [Medium] Secure Unit for adult psychiatric patients and mentally disordered offenders it was observed that offenders who had been convicted for sexual violence were often convicted for nonsexual crimes as well as new sexual offenses (Craig, Browne, Beech, & Stringer, 2004). Antisocial personality traits, and in particular impulsivity (Craig *et al.*, 2004), may be instrumental in the production of sexually aberrant behaviors. Some individuals exhibit antisocial conduct prior to the onset of schizophrenia, which may continue to impact on behavior after the development of the disorder. It is also important to consider the contribution of substance abuse to sexually offensive conduct in schizophrenic patients, via mechanisms that include disinhibition, interpersonal impairment, and diminished social and sexual functioning. Substance misuse may also contribute to aberrant sexual activities by reducing control over the deviant urges of patients with preexisting paraphilias, and by augmenting violent proclivities in general (Gebhard *et al.*, 1965; Hanson & Morton-Bourgon, 2005).

The deficits in social and sexual functioning described in schizophrenia are important considerations in any assessment of deviant sexual behavior.

1 Untreated schizophrenia has been found to have a negative impact on sexual  
2 functioning, with sufferers reporting decreased sexual thoughts and desire  
3 (Ainsworth, Aizenberg, Zemishlany, Dorfman-Etrog, & Weizman, 1995).  
4 When individuals with schizophrenia engage in intimate activities their actions  
5 are likely to be perceived by potential romantic partners as poorly communicated  
6 and primitively enacted (Skopec, Rosenberg, & Tucker, 1976). Johnston  
7 and Planansky (1968) argue that schizophrenia has a negative impact on  
8 relationships, with many married females reporting diminished sexual attraction  
9 to their husbands because of perceived illness-related changes. Also, the  
10 majority of Johnston and Planansky's (1968) schizophrenic inpatients who  
11 committed contact sexual offenses against women had ongoing heterosocial  
12 difficulties.  
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## 15 Treatment

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17 Examples of integrated programs on sexual offenders come from the United  
18 States, Canada, Australia and the United Kingdom (Marshall *et al.*, 1998). In  
19 general, the interventions to confront the sexual offenders are distinguished in  
20 those that are performed in prisons and those that are performed within the  
21 community, in other words on persons who are under surveillance or probation  
22 supervision or have just been released from prison. The therapeutic programs  
23 for confronting sexual crime prisoners are usually in the form of group therapy.  
24 The primary goals are: (1) settlement of minimization issues and resumption of  
25 responsibility, (2) definition of the circle or the procedure which results to crime,  
26 (3) definition and supervision of individual therapeutic goals, (4) learning the  
27 prevention methods and (5) help to embody therapeutic material from other  
28 groups. The group also acquires training in basic social skills, such as commu-  
29 nication skills, empathy towards the victim, anger management, stress manage-  
30 ment, sexual hygiene and so forth. Certain risk estimation instruments, such as  
31 the Sex Offenders Risk Appraisal Guide (SORAG: Quinsey *et al.*, 2006), Static-  
32 99 (Hanson & Thornton, 2000), Static-2002 (Hanson & Thornton, 2003) and  
33 Risk Matrix 2000 (Thornton *et al.*, 2003) which record various prognostic  
34 parameters, showed strong capacity to forecast the relapse of sexual or general  
35 forms of crime (see Craig, Browne, & Beech, 2008). A recent research study in  
36 Belgium (Ducro & Pham, 2006) demonstrated the ability of these instruments  
37 and it was also found that within 4 years of surveillance the relapse in sexual  
38 offenses was 25%, while the relapse in general offenses was 33%. A recent  
39 metaanalysis of 82 studies which examined the sexual reconviction rate in  
40 29,450 sexual offenders (Hanson & Morton-Bourgon, 2005) found that the  
41 deviating sexual behavior and the antisocial (psychopathic) personality structure,  
42 are the two major factors of relapse. The idea of a "dual dimension" to sexual  
43 offending comprising of sexual deviance and antisociality as also been  
44 reported elsewhere (Roberts, Doren, & Thornton, 2002). In addition, the

1 antisociality/psycho passivity is a prognosis factor not only for the most violent  
2 sexual crimes but for the relapse in general types of crime.

3 At present, mentally ill sex offenders are poorly served by treatment pro-  
4 grams traditionally designed for their nonmentally ill counterparts. They  
5 receive little assistance from a mental health system that lacks expertise in the  
6 management of sexual deviance. Despite the fact that they are believed to  
7 account for less than 10% of sexual offenses (Sahota & Chesterman, 1998),  
8 their often complex nature and multiple pathologies means they require a high  
9 level of resources to receive adequate assessment and treatment. Treatment for  
10 these individuals must take account of the premorbid sexual pathology and any  
11 complicating illness-related factors, including sexual and social dysfunction.  
12 Comprehensive cognitive behavioral approaches are indicated (Marshall  
13 *et al.*, 1999), adapted to the individual needs and capabilities of the patient.  
14 In those with uncontrollable deviant thoughts and those who have difficulty  
15 mastering cognitive techniques, consideration should be given to adjunctive  
16 libido-suppressing medication. This is usually best achieved with regular depot  
17 injections of synthetic hormonal preparations such as Depo-Provera, or GnRH  
18 agonists (Bradford, 1997). Baseline investigations and physical examination,  
19 informed consent and medical monitoring are essential components of hor-  
20 monal treatment programs.

## 21 22 23 **Conclusions**

24  
25 Some studies have found an elevated incidence of violent sexual offenses in  
26 males with psychotic disorders. This chapter reviewed the research on the  
27 etiology of sexual deviance in schizophrenia focusing on the role of early  
28 childhood experiences, deviant sexual preference, antisocial personality traits,  
29 and psychiatric symptomatology. Some studies have proposed that schizophren-  
30 ic patients who engage in sexual offensive activities fall into the following four  
31 groups: (1) those with a preexisting paraphilia, (2) those whose deviant sexuality  
32 is the manifestation of an antisocial behavior, (3) those whose deviant sexuality  
33 arises in the context of illness, and (4) those with substance use. Treatment for  
34 sexual offenders with schizophrenia needs to be integrated, taking into account  
35 multiple elements such as delusions, antisocial personality traits, a past history of  
36 deviant sexual behaviors, and substance abuse. This approach necessitates  
37 especially structured long-term programs.

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