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Paraphilias: definition, diagnosis and treatment

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Abstract

There is a great deal of controversy concerning paraphilia, and defining what is normal versus deviant or disordered, given that this is to some degree dependent on cultural views of acceptability. In this article, we outline these issues and describe recent progress in diagnosing and treating paraphilias.

Introduction

There is a great deal of controversy concerning paraphilia, and defining what is normal versus deviant or disordered behavior. In part, this stems from the malleability of sexual norms across time and cultures, which creates problems for those defining and diagnosing paraphilia. Given that, in some circumstances, such diagnoses can be used to imprison and/or commit an individual based on their future likely danger to society, this adds another dimension to this problem. In this article we outline these issues and describe recent progress in diagnosing and treating paraphilias.

What are paraphilias?

Paraphilias are difficult to define, contentious as a basis for legal processes, and their classification not short of criticism. Stewart [1] suggests that paraphilia definitions are based on perceived deviations from inappropriate perfectionist ideals of sexual norms. Various 'preferences' and sexual interests have fallen in and out of being defined as paraphilic, for example, up until 1973 homosexuality was classified as paraphilic under the DSM (diagnostic and statistical manual of mental disorders)-II. Its subsequent removal led to some arguing that if homosexual orientation is not in itself abnormal, then the inclusion of other sexual behaviors classified as paraphilic cannot be justified as a concept and should be removed entirely from future editions [2]. Cantor [3] further outlined how even the interpretation of the word 'paraphilia' can dramatically

alter what falls under its definition. This has implications for psychiatric diagnosis and treatment and impacts upon legal and political issues. Proposed additions 'for further study' for DSM-5 (hebephilia, paraphilic coercive disorder & hypersexual disorder) attracted much prior criticism and were subsequently rejected by the Board of Trustees of the American Psychiatric Association (APA) [4]. Zonana [5] suggests a continuing trend of the DSM being more responsive to criminal justice concerns than mental illness. Undoubtedly, both time and culture play a role in defining the diverse range of paraphilic interests and bring with them criminal, legal and political contentions.

When exploring the term paraphilia, many would turn to the DSM-IV-TR (APA, 2000 [6]), and now the new DSM-5 (APA, 2013 [7]) for further information, even though all World Health Organization (WHO) member countries (including the United States) are required to follow the WHO International Classification of Diseases and Related Health Problems (ICD-10-CM [8]) and [9]. Reed [9] reported that although U.S. physicians are required to use ICD codes on such things as Medicare and Health Insurance claims, since the creation of DSM-IV-TR, there are significant differences between the two manuals regarding "the disorders included, disorder names and definitions, and the organization of categories" (p.458, [9]). Unpacking the confusion around diagnosing paraphilia first requires one to know which diagnostic manual to use.

One continuing critique of both manuals is that with each new revision come more categories and subtypes, with DSM currently on version 5 and ICD version 10 (version 11 now postponed to 2015). Even though ICD-9 was released in 1979, with ICD-10 approved in 1990, the implementation of ICD-10-CM in the U.S. is due to occur in 2013, over 20 years later. A clinical diagnosis of a paraphilia can therefore be made using either ICD-10 classification codes, from F65.0 – F65.8 ([8], or from DSM-5 [7]). However, ICD-10 does not specifically give a definition for paraphilia; therefore, a common definition used worldwide comes from the DSM-IV (which was not redefined in DSM-5):

“recurrent, intense sexually arousing fantasies, sexual urges, or behaviors generally involving i) non-human objects, ii) the suffering or humiliation of oneself or one’s partner, or iii) children or other non-consenting persons that occur over a period of at least 6 months” (p.566, [6]).

Due to societal shift on what is defined as sexually deviant the use of ‘paraphilic’ has significantly changed over time, and within cultures, and thus strict definitions of a paraphilia are problematic [10,11], and the chair of DSM-V paraphilias subwork group proposed a new definition of paraphilia as:

“any powerful and persistent sexual interest other than sexual interest in copulatory or pre-copulatory behaviour with phenotypically normal, consenting adult human partners” (p.367; [12]).

Moser [13] in his criticism offers that such a definition would define the preference in the sexual masochist for being whipped rather than engage in coitus as paraphilic, yet if the same act is preferred as foreplay to coitus it would be considered normophilic. He also questions whether surgically augmented breasts are considered phenotypically normal, and proposes that if non-consensual acts imply paraphilic behaviour then there is confusion between a criminal act and a mental disorder. Singy [14] suggests this definition and other proposals of DSM-V point to a “cracking of the moral whip” and making psychiatrists into “the guardians of cultural values”. However, as previously mentioned, there appears to be no definition change within the DSM-5.

Despite DSM being derived by and written for psychiatric clinicians, it is also used by forensic practitioners as a legal basis for sentencing and/or committing sexually motivated criminals to psychiatric care. A recent article by Frances and First [15] stated that the paraphilia section of DSM-IV-TR was widely misinterpreted, specifically for

forensic evaluations of sexually violent predators, leading to “inappropriate medicalization of criminal behaviour to serve a practical public safety purpose” (p.560, [15]) and it had “been twisted in translation within the legal system” (p.78, [16]). Despite changes in DSM-5 in distinguishing ‘ascertainment’ of a paraphilia from a ‘paraphilic disorder’, Fedoroff [17], in discussing this then proposed change, suggested that once a person’s paraphilic interest was ascertained it would be difficult to imagine that they would not be considered as diagnosed.

The lack of a grounded basis as to what paraphilia is has had dramatic implications on DSM-5 and may impact on the future release of ICD-11. Paraphilia as a concept is “vulnerable to societal pressures rather than advances in science” (p.249, [5]), and so diagnosis may be grounded more in societal norms than in psychiatric health. Keenan [18] in her criticism suggests the inclusion of ‘paraphilic disorders’ in DSM-5 as redundant, unscientific and stigmatizing, and may cause personal distress by categorizing engagement in, or urges for, atypical sexual behavior as a psychiatric disorder. Some might think that this has parallels in the way certain states today still persecute gay and lesbian individuals who can legitimately seek asylum in ‘neoliberal’ states such as the U.S. [19]. This raises concerns as to whether such a category should be included at all for psychiatric diagnosis [2], and further needs to be considered with criminal and legal proceedings in mind.

Diagnosis

“A behavior can be illegal, immoral, and undesirable or cause distress, yet not be an expression of an underlying mental disorder. Something more is required to decide which, if any, of the paraphilias are best conceptualized as psychopathologies” (p.218, [20]).

There is a difficulty in conceptualizing differences between deviant sexual desires arising from mental disorders and displays of sexual orientation that do not emerge from a form of mental illness. Silverstein [2] has predicted that paraphilias are a cultural and timely phenomenon that ‘will likely disappear from the DSM for those who have consensual adult-adult sex’ (p.162). Although paraphilias have not disappeared from the DSM with their inclusion in the latest addition, DSM-5, there is an attempt to clearly distinguish between the behaviour itself (i.e. sexual masochism) and a disorder stemming from that behaviour (i.e. sexual masochism disorder). To differentiate between atypical sexual interest and a mental disorder, DSM-5 requires that, for diagnosis, people with such interests exhibit the following:

(i) “feel personal distress about their interest, not merely distress resulting from society’s disapproval”; or

(ii) "have a sexual desire or behavior that involves another person's psychological distress, injury, or death, or a desire for sexual behaviors involving unwilling persons or persons unable to give legal consent" [7].

Despite terminological redefining, based on prior criticisms, it would appear that these changes will do little to fan the flames of discontent of those advocating the removal of paraphilias from the DSM. Fedoroff [17] concludes that despite DSM-5 website claims of substantial changes in distinguishing sexual interest from a mental disorder, this is merely a shift in terminology, whilst Moser [21] suggests that any distinction between the two could be meaningless in practice. Whilst preempting this as an advance in distinguishing the two, Fedoroff [17] contests that this would still yield conceptually invalid criteria for paraphilic disorders open to serious forensic abuse.

In the United States, the introduction of 'sexual predator' laws have created a situation of civil commitment for an indefinite period for those who may have completed their prison sentence, but have been diagnosed with a paraphilic mental disorder [22]. This means that following completion of a prison sentence for sexually motivated crime, ex-prisoners can be incarcerated by proxy in non-punitive institutions. Although such commitment is not technically further punishment, this can bring about concerns for civil liberties and procedural justice. Frances and First [15] argued that the diagnosis of paraphilia has been misapplied to cover a legal loophole following the introduction of fixed sentencing, where many convicted rapists were inadvertently given shorter prison sentences. By inappropriately classing rape as a paraphilia, due to contentions over DSM-IV category of paraphilia 'not otherwise specified', convicted rapists can be committed following their prison term to ensure longer sentencing. Consequently, the diagnosis of paraphilia

becomes open to abuse as the line between criminal culpability and psychiatric diagnosis begins to degrade. Whilst diagnostic terminology has changed in DSM-5 to 'other specified and unspecified paraphilic disorder', in line with Fedoroff's [17] argument, it would be difficult not to see ascertainment of an offender's paraphilic interest being diagnosed as a disorder. Fitch [23] surveyed U.S. states that used sexually violent predatory laws and concluded that 85% of offenders committed under these laws were diagnosed with a paraphilia. A presentation by Perillo and Jeglic [24] reported that within 21 U.S. jurisdictions, 4,500 sex offenders were detained under the civil commitment (sexually violent predator) statute. Thus, the major issue within this area is how to balance societal norms and public perception with the human rights of an individual who could be negatively impacted by diagnosis of paraphilia [25].

Types of paraphilias

Both the ICD-10 and DSM-IV include eight specific paraphilias outlined with additional 'not otherwise specified (DSM-IV), unspecified (ICD-10), other specified paraphilic disorder and unspecified paraphilic disorder (DSM-5)' categories. Table 1 outlines paraphilias included in the DSM-IV and subsequent changes in DSM-5.

A diagnosis of all non-criminal paraphilias requires that they are present for at least six months and cause clinically important distress, or impair work, or cause problems with social or personal functioning [6]. In advocating the removal of paraphilias from the DSM, Moser and Kleinplatz [26] argue that functioning may be impaired as a result of significant others discovering such sexual interest, therefore it is inappropriate to conclude that the 'paraphilia' *per se* is the cause of the dysfunction. Keenan [18] offers support for this conclusion, suggesting that the citing of psychiatric understanding of

Table 1 Diagnostic changes from DSM-IV to DSM-5 and summary definitions of paraphilias

Paraphilia DSM-IV diagnosis	Paraphilic Disorder DSM-5 diagnosis	Summary Definitions
Exhibitionism	Exhibitionistic Disorder	Exposing one's genitals to an unsuspecting person or performing sexual acts that can be watched by others
Frotteurism	Frotteuristic Disorder	Touching or rubbing against a non-consenting person
Voyeurism	Voyeuristic Disorder	Urges to observe an unsuspecting person who is naked, undressing or engaging in sexual activities, or in activities deemed to be of a private nature
Fetishism	Fetishistic Disorder	Use of inanimate objects to gain sexual excitement
Paedophilia	Pedophilic Disorder	Sexual preference for prepubescent children
Sexual masochism	Sexual Masochism Disorder	Wanting to be humiliated, beaten, bound or otherwise made to suffer for sexual pleasure
Sexual sadism	Sexual Sadism Disorder	In which pain or humiliation of a person is sexually pleasing
Transvestic fetishism	Transvestic Fetishism	Arousal from clothing associated with members of the opposite sex
Not otherwise specified	Other Specified Paraphilic Disorder	These include a variety of paraphilic behaviours such as: partialism; zoophilia; necrophilia; klismaphilia; coprophilia; urophilia; infantilism; telephone scatologia.

paraphilias is a partial source of distress in those reporting 'incredible loneliness and pain'. Some other problems with validity and reliability for diagnosis of paraphilia that were proposed for inclusion in DSM-5 are considered for some of the disorders defined. When considering paraphilic coercive disorder, Knight [27] suggested that little empirical justification existed for its proposal as a distinct syndrome in DSM-5. The proposed disorder is mainly based on higher plethysmographic responses to coercive rape scenarios, which Knight suggests may be better explained by failure of these scenarios to inhibit sexual arousal than be the cause of such. In addition, Zonana [5] contended that the proposed combining of pedophilia and hebephilia into 'pedohebephilia' was becoming overly concerned with legal goals rather than defining disorders. For example, a male attracted to a 14-year-old female with mid to advanced adolescent development is not akin clinically to one attracted to a prepubescent 10-year-old. However, much to the dissent of Blanchard [11] and Zucker [4], the ideas for classifying paraphilic coercive disorder as a distinct syndrome and the combining of pedophilia and hebephilia were both rejected for inclusion in DSM-5, with the latter's diagnostic criteria remaining the same as in the DSM-IV-TR.

Despite some proposal rejections, other criticized syndromes remain, such as sexual sadism. Marshall, Kennedy and Yates [26] and Marshall and Kennedy [29] raised concerns regarding reliability of a diagnosis of 'sexual sadism'. These included low levels of agreement between raters, leading them to conclude that DSM-IV-TR criteria for sexual sadism were too vague to allow reliable diagnoses. Zander [30] highlights a lack of research supporting validity and inter-rater reliability of 'paraphilia not otherwise specified', yet it is still widely used for potentially lifetime commitment, as a substitute for a rejected diagnostic category for rapists – the DSM-5 maintains this rejection for such a category. A notable additional change to paraphilic disorders is the opening of the diagnosis of 'transvestic disorder' to include women and gay men who have this sexual interest [7]; however, this diagnosis is once again criticized, as the source of distress for a transvestite is not the behaviour of cross-dressing but not being able to cross-dress [17].

Prevalence

Prevalence rates for paraphilias are difficult to obtain due to changes in criterion over time and between cultures [10]. Ahlers *et al.* [31] surveyed a sample of 1,915 German men aged 40-79 and found 62.4% reported at least one paraphilia-associated sexual arousal pattern, and that this caused distress in only 1.7% of cases. According to this study, it would appear that prevalence of paraphilic arousal

was within the majority and further not considered as distressing. Alternatively, Langstrom and Seto [32] surveyed a sample of 2,450 individuals aged 18-60 years and found that 3.1% of participants reported at least one incident of being sexually aroused by exposing their genitals to a stranger and 8% admitted being sexually aroused spying on others having sex. Such large variance in paraphilia prevalence rates in general sampling raises validity concerns over inconsistency. This is possibly due to the intimate and private nature of questionnaires, which may impair validity [25]. In terms of more standardized studies, most data are based on criminal reports or studies using clinical populations referred for legal reasons, rather than for self-help in the general population. For instance, Briken *et al.* [33] reported that in a study of sexual murderers, there were higher levels of sexual sadism alongside other paraphilic-related interests and disorders. However, prevalence rates are still difficult to report with any certainty, and this is further underpinned by the contentious nature of paraphilia definitions.

Treatment

There is an abundance of small studies and case reports regarding a variety of pharmacological and psychological treatments within sex offender populations, as captured by Thibaut *et al.* [25], such as pedophilia, exhibitionism and rape. Whilst research into treatment of other 'non-criminal' paraphilias is negligible, it is reliant on voluntary disclosure, which is very rare, and justification for treatment of such is still very much debatable. Although Thibaut *et al.* [25] report a moderate decrease in sex offending recidivism with cognitive behavioral therapy (CBT), Beech and Harkins [34] suggest that behavioral therapy such as aversion and reconditioning show little evidence of effectiveness.

Thibaut *et al.*'s [25] evaluation of 40 years (1969-2009) of treatment research found that despite some case reports of a reduction of some sexual behaviors, psychotropic drugs showed very poor evidence of effective treatment for paraphilic behaviors. The same was found for anti-androgens, also associated with many side effects including hot flushes, leg cramps, hair loss, bone mineral loss and cardio issues, with the benefit/risk ratio not favoring use of such drugs [25]. Only gonadotropin-releasing hormone treatment showed high efficacy, working in a similar way to physical castration. It rapidly desensitises gonadotropin-releasing hormone receptors, resulting in reduction of luteinizing hormone, which is responsible for the stimulation for release of testosterone in the testes. However, research into all treatments of paraphilia is blighted by small sample sizes, short duration of follow-up, open and retrospective studies, lack of controls and biases, and

its associated co-morbidity with other disorders. Thus, the effectiveness of treatments for these paraphilias presented is inconclusive.

Moser [21] highlights potential issues with the creation of the ascertainment category in DSM-5 in leading to confusion in treatment goals. Moser goes on to question categorization in the resolving of distress or impairment that is symptomatic with the diagnosed disorder. Would the individual revert back to paraphilic ascertainment, would it be paraphilic disorder in remission or a continuation of paraphilic disorder diagnosis? As well as the impact on treatment goals, it is clear to see the implications such confusion may have on decision-making in forensic settings in particular.

Conclusion

Delineating what is normal versus deviant or disordered sexuality is one of the biggest challenges when using the term paraphilia. The definitions under paraphilia within the DSM have been highly debated and highly controversial [22], and, given the lack of change to definitions and diagnostic criteria in the real sense, this would seem set to continue. The malleability of sexual pleasure across time and cultures creates problems for those defining and diagnosing paraphilia and the efficacy of treatment of paraphilias synonymous with sexual offending is inconclusive. The ability to imprison and/or commit an individual based on their future “dangerousness” using a mental disorder or psychiatric criterion as justification [35,36] may potentially violate due process rights [37]. At the heart of the issues still lies the much debated question: “what justifies the classification of a source of sexual pleasure or a type of sexual activity as a mental disorder” ([22] p.195)?

Abbreviations

APA, American Psychiatric Association; DSM, diagnostic and statistical manual of mental disorders; ICD, International Classification of Diseases.

Disclosures

The authors declare that they have no disclosures.

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