Prevalence and nature of sexual dysfunctions in OCD in a tertiary medical college

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ABSTRACT

Normal sexual behavior brings pleasure to oneself and one's partner involves stimulation of the primary sex organs including coitus; it is devoid of inappropriate feelings of guilt or anxiety and is not compulsive. Sexual functioning is influenced by a number of factors, mental illness being one of them. Sexual dysfunction in patients with OCD has mostly been studied independently or in gender-specific studies. These studies have reported significant dysfunction in different areas of sexual functioning. The aim of this study is an attempt to assess & compare the presence, prevalence & types of sexual dysfunctions (SD) in OCD mostly coming from rural background in a Tertiary Government Hospital in West Bengal. Our study revealed Sexual dysfunction was in 53.33% of the subjects. Orgasmic dysfunction was the most frequent dysfunction 20.51% in females (N=8), followed by problems in desire15.38%. However since the data were collected from a specific population, the degree to which they represent the general population cannot be commented upon.

Key word : OCD, Sexual Dysfunction

INRODUCTION

Sexuality is determined by anatomy, physiology, the culture in which a person lives, relationships with others, and developmental experiences throughout the life cycle. It includes the perception of being male or female and private thoughts and fantasies as well as behaviour. To the average normal person, sexual attraction to another person and the passion and love that follow are deeply associated with feelings of intimate happiness.

Normal sexual behaviour brings pleasure to oneself and one's partner involves stimulation of the primary sex organs including coitus; it is devoid of inappropriate feelings of guilt or anxiety and is not compulsive. Recreational, as opposed to relational sex, that is sex outside a committed relationship, masturbation, and various forms of stimulation involving other than the primary sex organs, constitutes normal behaviour in some contexts.1

Sexual functioning is influenced by a number of factors, mental illness being one of them. Sexual

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dysfunctions (SD) are characterized by disturbances in sexual desire and in the psycho-physiological changes associated with the sexual response cycle in men and women.\(^{[2]}\)

Obsessive Compulsive Disorder is the 4th most common psychiatric disorder and has an average lifetime prevalence of 2-3%. SDs have a prevalence of 39% in females with OCD. Patients may report sexual disgust, the absence of sexual desire, very low sexual arousal, anorgasmia, and high avoidance of sexual intercourse.\(^{[3]}\)

Sexual dysfunction in patients with OCD and GAD has mostly been studied independently or in gender-specific studies. These studies have reported significant dysfunction in different areas of sexual functioning. However, the majority of these studies are uncontrolled and provide limited evidence about the rates of dysfunction across OCD. Furthermore, patients in these categories of disorders are usually prescribed antidepressant medications, which are known to cause substantial sexual dysfunction. Simply exemplifying the dysfunction caused by medications is imperfect unless the dysfunction caused by the disease is clearly demarcated.

The aim of this study is an attempt to assess & compare the presence, prevalence & types of sexual dysfunctions in OCD mostly coming from rural background in a Tertiary Government Hospital in West Bengal.

**AIMS & OBJECTIVES**

1. To study the presence, prevalence, types of sexual dysfunctions in OCD.
2. To study the relationship of disease severity with Sexual Dysfunctions.

**MATERIALS & METHODS**

**Study Population**

Consecutive new patients attending the Psychiatry OPD were screened with Psychiatric Diagnostic Screening Questionnaire (PDSQ).\(^{[4]}\) Patients fulfilling the criteria for OCD were included in the study and informed consent was taken from them.

**Inclusion Criteria**

a. All first time registered patients (male, female) meeting the criteria for OCD (according to DSM-IV).
b. Age 18-65 (male & female).
c. Not taking psychotropic medications for the illness (drug naive).
d. Having a sexual partner.

**Exclusion Criteria**

a. Co morbid Axis I or Axis II disorders on SCID-I/P, SCID-II
b. Having psychotic symptoms.
c. H/o sexual dysfunction prior to present episode of illness.
d. Endocrinal disease (diabetes mellitus, thyroid dysfunction)
e. Local genital problems.
f. Renal problems.
g. Neurological disorder.
h. Pelvic surgery or abdominal surgery likely to cause sexual dysfunction.
i. H/o STDS, HIV-AIDS.
j. Taking any psychotropic medication in last 3 months.
k. H/o of hypogonadism.

**Study Period**


**Sample Size**

60 in OCD

**Sample Design**

Consecutive patients satisfying the selection criteria & meeting criteria for MDD & OCD after giving valid & informed consent were studied.

**Study Design**

Hospital based, open, cross sectional study.
Parameters to be Studied

2. MDD & OCD against SCID-I/P.
3. Severity of MDD using 17 item Hamilton Depression rating scale (HAM-D)
4. Severity of OCD using Yale Brown Obsessive Compulsive scale (Y-BOCS)
5. Sexual functioning using Arizona Sexual Experiences Scale (ASEX)

Study Tools

1. Structured clinical interview for DSM-IV-TR AXIS I disorders, research version patient edition:
   The Structured Clinical Interview for DSM-IVAxis I Disorders (SCID-I) is a diagnostic exam used to determine DSM-IVAxis I disorders (major mental disorders) and Axis II disorders (personality disorders). An Axis I SCID assessment with a psychiatric patient usually takes between 1 and 2 hours, depending on the complexity of the past psychiatric history and the subject's ability to clearly describe episodes of current and past symptoms. A SCID with a non-psychiatric patient takes 1/2 hour to 1-1/2 hours.
2. 17-item Hamilton rating Scale for Depression. Type : Clinician-rated scale.
   **Main indications**: Designed to measure the severity of depressive symptoms in patients with primary depressive illness, but has since been used to assess depressive symptoms in other groups.
   **Rating performed by**: Trained clinician or trained mental health professional, on the basis of observation during interview. Rating should ideally take place at a fixed time to avoid the influence of diurnal variation.
   **Time period covered by scale**: Clinical condition at the time of the interview.
   **Time required to complete rating**: 15-20 minutes. Semi-structured interview.
   Validity can be a problem in patient populations having concurrent somatic illnesses. There is some consensus for interpretation of the total scores:
   - Very Severe: >23
   - Severe: 19–22
   - Moderate: 14–18
   - Mild: 8–13
   - No Depression: 0-7.
3. Yale-Brown Obsessive compulsive scale. The Yale–Brown Obsessive Compulsive Scale, sometimes referred to as Y-BOCS, is a test to rate the severity of obsessive-compulsive disorder (OCD) symptoms.
   The scale, which was designed by Dr. Wayne Goodman and his colleagues in 1989, is used extensively in research and clinical practice to both determine severity of OCD and to monitor improvement during treatment. This scale, which measures obsessions separately from compulsions, specifically measures the severity of symptoms of obsessive–compulsive disorder without being biased towards the type of obsessions or compulsions present.
   **Time required completing rating**: 10–15 minutes.
   **Remarks**: The scale is a clinician-rated, 10-item scale, each item rated from 0 (no symptoms) to 4 (extreme symptoms).
   The scale includes questions about the amount of time the patient spends on obsessions, how much impairment or distress they experience, and how much resistance and control they have over these thoughts. The same types of questions are asked about compulsions (i.e., time spent, interference, etc). The results can be interpreted based on the score. The individual items are included in the appendix section.
Gradation of severity: Score of
- 0–7 : Sub-Clinical;
- 8–15 : Mild;
- 16–23 : Moderate;
- 24–31 : Severe; And

4. Arizona Sexual Experiences Scale
The ASEX is designed to assess five major global aspects of sexual dysfunction:
- drive,
- arousal,
- penile erection/vaginal lubrication,
- ability to reach orgasm, and satisfaction from orgasm.

The Arizona Sexual Experiences Scale (ASEX) can be used to identify individuals suffering from sexual dysfunction. The ASEX is a patient rated scale. The ASEX Scale is intended to give quantitative data regarding sexual functioning in five specific realms.

The following parameters aid in interpreting ASEX scores:
- Receiver-operator characteristic (ROC) analysis revealed a value for area under the curve (AUC) of .929 ±.029, indicating excellent sensitivity and specificity of the ASEX at identification of sexual dysfunction.

The target criteria listed below offers a scoring guideline representative of the strong sensitivity and specificity of the ASEX.
- A total ASEX score of ≥19 or
- Any 1 item with an individual score of ≥ 5 or
- Any 3 items with individual scores of ≥4 are highly correlated with the presence of clinician-diagnosed sexual dysfunction.

Total ASEX scores range from a low of 5 to a maximum of 30.

The ASEX was designed to be simple in order to enhance the overall accuracy in measuring sexual dysfunction by
- Minimizing patient non-compliance with rating (Prisant, Carr, Bottini, Solursh, & Solursh, 1994), and
- Allowing for rapid quantification and detection of the presence of sexual dysfunction.[7]

Study Technique
Patients fulfilling the selection criteria were subjected to a detailed history regarding socio-demographic variables, clinical history, sexual & marital history, physical examination. Necessary investigations were done to rule out co-morbid medical conditions. This was followed by administration of SCID-I/P for AXIS-I disorders & SCID-II for AXIS-II disorders. Patients with MDD were assessed for severity using Hamilton Rating Scale for Depression, while patients with OCD were assessed for severity of symptoms using Y-BOCS scale. Patients in OCD group were also administered Hamilton rating scale for depression and subjects scoring 7 or more were excluded from the study. Mental Status Examination of the patients were done & recorded. Patients in both groups were assessed for sexual dysfunctions using Arizona Sexual Experiences Scale (ASEX). Scoring on all scales administered was recorded. Appropriate laboratory investigations & consultation liaison were performed where necessary.

Plan for Data Analysis
Data entry was done after gathering relevant data for a particular patient. Statistical analysis was done after completion of data collection for all patients using standard statistical methods.

Ethical Consideration
The study proposal was submitted to the institutional review board for review & appraisal and the study was commenced after such approval was obtained.
STATISTICAL ANALYSIS

The data was pooled and statistical analysis was done using SPSS version 20 (SPSS Inc., Chicago, Ill.) & Statistica version 6 [Tulsa, Oklahoma : Stat Soft Inc., 2001].

Tests for Normality

Following the Shapiro-Wilk test & the Kolmogorov-Smirnov test and visual examination of the data, no cells deviated substantially from normality. Significant effects were examined with simple effects tests. Discreet variables were compared by using $\chi^2$ test and continuous variables by using Students t-Test. Categorical variables between groups were analyzed using the Pearson's Chi Square test. Data was presented as percentages, mean and standard deviation. All tests were two tailed. A p value less than 0.05 was considered statistically significant (95% confidence interval). Correlation analysis between total score of ASEX, HAM-D, and YBOCS was done by using Pearson’s correlation as data was normally distributed. Regression analysis was done using simple linear regression tests.

This prospective, cross-sectional, hospital based, single interview study was conducted under the Department of Psychiatry of a tertiary medical college. 60 subjects consenting, aged between 18-65 years, of either sex belonging to OCD groups after screening with PDSQ & diagnosed against DSM-IV TR, fulfilling inclusion & exclusion criterion were included in the study after obtaining permission from the Institutional Ethical Board.

DISCUSSION

Age and Sex - The overall sample in the OCD group (N = 60) had a mean ± SD age of 36.73 ± 10.33 years. Sex distribution reveals that 65% of the subjects were female (n=39), with a male: female ratio 1:1.8. It is well documented that male:female ratio is 1:1 for OCD. Predominant female representation in the outpatient clinic probably resulted in this selection bias.[6] (Table-1)

Religion – Hindu (60%) were majority population in the MDD group followed by Muslim population (33.3%). (Table-1)

Family type – Our study supported findings that in OCD group 68.3% (N=41) were from rural areas. (Table-1)

Severity of Illness – As depicted that most study subjects in this group belonged to severe & mild category (26.7%), while 23.3% belonged to extreme category on Y-BOCS. Tests of significance show that gender had no impact on disease severity.

Figure 1: the histogram of duration of illness

Sexual Dysfunctions - On rating for severity of OCD, the overall sample had Y-BOCS Mean ± SD 23.52 ± 6.6, with slightly higher mean scores on Y-BOCS for females 22.72 ± 7.48 (Table 2). Sexual dysfunction was reported in 53.33% of the subjects (N=32). In females total dysfunction was present in 51.28% (N=39) of the subjects, orgasmic dysfunction was the most frequent dysfunction 20.51% in females (N=8), followed by problems in desire 15.38%. However males reported...
Table 1: Representing the Socio Demographic Characteristics of the OCD sample.

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>FEMALE (N=39)</th>
<th>MALE (N=21)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Age (Mean ± Sd)</td>
<td>36.38 ± 10.77</td>
<td>38.38 ± 9.66</td>
</tr>
<tr>
<td>Duration illness (Months)</td>
<td>15.38±7.8</td>
<td>20.33±7.8</td>
</tr>
<tr>
<td>Religion</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hindu</td>
<td>53.8%</td>
<td>71.4%</td>
</tr>
<tr>
<td>Muslim</td>
<td>38.5%</td>
<td>23.8%</td>
</tr>
<tr>
<td>Christian</td>
<td>5.1%</td>
<td>4.8%</td>
</tr>
<tr>
<td>Sikh</td>
<td>2.6%</td>
<td>--</td>
</tr>
<tr>
<td>Marital Status</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Married</td>
<td>89.7%</td>
<td>90.5%</td>
</tr>
<tr>
<td>Single/Widowed</td>
<td>10.3%</td>
<td>9.5%</td>
</tr>
<tr>
<td>Residence</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rural</td>
<td>76.9%</td>
<td>52.4%</td>
</tr>
<tr>
<td>Urban</td>
<td>23.1%</td>
<td>47.6%</td>
</tr>
<tr>
<td>Family</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nuclear</td>
<td>46.2%</td>
<td>66.7%</td>
</tr>
<tr>
<td>Joint</td>
<td>53.8%</td>
<td>33.3%</td>
</tr>
</tbody>
</table>

greater dysfunction 57.14%, spanning all domains, except desire as compared to females. The Mean ± SD ASEX scores in females was (17.32 ± 3.00). The results from the present study indicate high rates of sexual dysfunction in OCD patients (drug naive, 53.33%) which is comparable to the results of Kendurkar et al.\[9\], who reported that in 50 drug naive patients with obsessive compulsive disorder 50.0% reported having sexual dysfunction, in men 53.6% and in women 45.4%. Which is comparable to our reports as depicted in Figure. Orgasmic dysfunction was the most reported complaint in either gender, and the frequency of occurrence was significantly highest with OCD subjects. Controlled studies of sexual dysfunction in obsessive compulsive disorder are rare. Conflicting results with Frueand and Steketee\[7\] who reported in 44 obsessive compulsive outpatients retrospectively life histories, and no evidence of sexual dysfunction noted by the authors. Consistent with the findings of our study Aksaray et al.\[10\] found that 23 women with OCD had significantly higher means on measures of anorgasmia, avoidance, and non-sensuality than a control group with generalized anxiety disorder. In addition, there was a trend for the women with OCD to
Table 2: showing the central measures on all sub items of ASEX

<table>
<thead>
<tr>
<th></th>
<th>A1-Desire</th>
<th>A2-Excitement</th>
<th>A3-Erection/Lubrication</th>
<th>A4-Orgasm</th>
<th>A5-Org Satis</th>
<th>Total ASEX</th>
</tr>
</thead>
<tbody>
<tr>
<td>N</td>
<td>60</td>
<td>60</td>
<td>60</td>
<td>60</td>
<td>60</td>
<td>60</td>
</tr>
<tr>
<td>Mean</td>
<td>3.35</td>
<td>3.23</td>
<td>3.43</td>
<td>3.70</td>
<td>3.55</td>
<td>17.32</td>
</tr>
<tr>
<td>Median</td>
<td>3.00</td>
<td>3.00</td>
<td>3.00</td>
<td>4.00</td>
<td>4.00</td>
<td>19.00</td>
</tr>
<tr>
<td>SD</td>
<td>1.117</td>
<td>.963</td>
<td>1.031</td>
<td>1.124</td>
<td>.872</td>
<td>3.006</td>
</tr>
<tr>
<td>Range</td>
<td>1-5</td>
<td>1-5</td>
<td>1-5</td>
<td>1-5</td>
<td>1-5</td>
<td>1-5</td>
</tr>
</tbody>
</table>

score higher on vaginismus, sexual non-communication, and dissatisfaction sub-scales.

Comparing our results with that of Vulnik et al.[11] who studied in 101 women with OCD & reported that subject scored significantly higher than a control group on a measure of sexual disgust, and significantly lower on measures of sexual desire, arousal, and satisfaction with orgasm.

Although some researchers did indeed find that anxiety had an inhibitory effect on sexuality in sexually functional women, most studies with female subjects, indicate that anxiety either facilitates sexual arousal or does not affect it. In their overview of sexuality in women, Andersen and Cyranowski[12] concluded that these studies suggest that the previous conceptualizations of Masters and Johnson and Kaplan may be less relevant for women. Consistent with our results as depicted in Table 4, severity of OCD (Y-BOCS Scale), correlated significantly with all domains of ASEX (r=0.804, P=0.000), Kampman and coworkers[13] found that patients with OCD also suffer from a greater degree of sexual dysfunction and be less satisfied with their sex lives than patients with other anxiety disorders.

The robust findings of this study is that previously sexual desire, sexual thoughts, sexual disgust and sexual arousal hardly have been subject of previous studies in OCD. Monteiro et al.[14] reported low libido in 24% of OCD patients and desire phase difficulties in 22% of OCD patients before Clomipramine treatment. Our results show high percentages of anorgasmic problems (23.9% in males & 20.51% in females) in patients with OCD. Consistent with findings of this present study two previous studies reported anorgasmia in 9–12% of OCD patients without medication. Multiple domains of functioning and quality of life is also strongly affected in first-episode OCD patients, which suggested that OCD psychopathology might impair these fields since disease onset.[15]
Table 3: depicts distribution of ASEX severity scores among subjects: subjects scoring 5 or more on ASEX items or 19 or more on totalscore (sexual dysfunctions)

<table>
<thead>
<tr>
<th>ASEX items (N%)</th>
<th>Total Subjects (N=60)</th>
<th>Male (N=21)</th>
<th>Female (N=39)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y-BOCS Score</td>
<td>(23.52 ± 6.6)</td>
<td>(22.28 ± 8.48)</td>
<td>(22.72 ± 7.84)</td>
</tr>
<tr>
<td>Desire 2</td>
<td>(9.52%)</td>
<td>6 (15.38%)</td>
<td>8 (13.33%)</td>
</tr>
<tr>
<td>Excitement</td>
<td>1 (4.76%)</td>
<td>3 (7.69%)</td>
<td>4 (6.67%)</td>
</tr>
<tr>
<td>Penile Erection/</td>
<td>3 (14.3%)</td>
<td>4 (10.25%)</td>
<td>7 (11.67%)</td>
</tr>
<tr>
<td>Vaginal Lubrication</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Orgasm</td>
<td>5 (23.9%)</td>
<td>8 (20.51%)</td>
<td>13 (21.67%)</td>
</tr>
<tr>
<td>Orgasmic Satisfaction</td>
<td>2 (9.5%)</td>
<td>3 (7.69%)</td>
<td>5 (8.33%)</td>
</tr>
<tr>
<td>Total Dysfunction</td>
<td>12 (57.14%)</td>
<td>20 (51.28%)</td>
<td>32 (53.33%)</td>
</tr>
<tr>
<td>(Asex Scores)</td>
<td>17.81 ± 2.42</td>
<td>17.05 ± 3.27</td>
<td>17.32 ± 3.00</td>
</tr>
</tbody>
</table>

Stengler-Wenzke and colleagues even reported decreased scores in OCD relative to a sizable sample of schizophrenia patients on two out of four QOL domains (psychological well-being and social relationships). Accordingly, lower scores in OCD, patients relative schizophrenia patients on disease unspecific symptom rating scales such as the Brief Psychiatric Rating Scale or the Global Clinical Impression should not mislead the clinician to assume less despair. Many symptoms are actively suppressed or denied because of embarrassment (e.g., sexual intrusions, obsessions relating to the therapist) or fear of being misdiagnosed as psychotic.[16]

Recently, sexual dysfunction of patients with OCD has become an important concern for diagnosis, life quality, and treatment. Sexual problems or sexual dysfunctions are also associated with mental health, quality of life, and overall life satisfaction in Asian people.[17]

The strong negative association between severity of depression & quality of life domains are consistent with previous work demonstrating a monotonic gradient between OCD & quality of life. Several studies have explored the impact of sexual dysfunction on quality of life and life satisfaction. Bell and Bell [18] and Masters and Johnson (1970) found that life satisfaction and well-being were both associated with sexual satisfaction. In a more recent study, McCabe[19] found that, although sexual dysfunction had a negative impact on quality of life in both sexes, quality of life was more strongly correlated with sexual dysfunction in women than it was in men. The finding of this study that subjects...
Table 4: Showing the correlation matrix between Y-BOCS & all items on ASEX.

<table>
<thead>
<tr>
<th>Pearson’s Correlation (P.C)</th>
<th>YBOCS_Total</th>
<th>A1_Desire</th>
<th>A2_Exct</th>
<th>A3_Erct_Lubr</th>
<th>A4_Orgasm</th>
<th>A5_OrgSatis</th>
<th>Asex_Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>YBOCS_Tot Pearson Correlation</td>
<td>1</td>
<td>.424**</td>
<td>.487**</td>
<td>.458**</td>
<td>.534**</td>
<td>.464**</td>
<td>.804**</td>
</tr>
<tr>
<td>Sig. (2-tailed)</td>
<td>.001</td>
<td>.000</td>
<td>.000</td>
<td>.000</td>
<td>.000</td>
<td>.000</td>
<td>.000</td>
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<tr>
<td>N</td>
<td>60</td>
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<td>60</td>
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<td>60</td>
</tr>
<tr>
<td>A1_Desire Pearson Correlation</td>
<td>.424**</td>
<td>1</td>
<td>.269*</td>
<td>-.046</td>
<td>.139</td>
<td>.043</td>
<td>.506**</td>
</tr>
<tr>
<td>Sig. (2-tailed)</td>
<td>.001</td>
<td>.037</td>
<td>.729</td>
<td>.290</td>
<td>.746</td>
<td>.000</td>
<td>.000</td>
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<td>N</td>
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<td>60</td>
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<tr>
<td>A2_Exct Pearson Correlation</td>
<td>.487**</td>
<td>.269*</td>
<td>1</td>
<td>.067</td>
<td>.207</td>
<td>.248</td>
<td>.589**</td>
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<tr>
<td>Sig. (2-tailed)</td>
<td>.000</td>
<td>.037</td>
<td>.610</td>
<td>.113</td>
<td>.056</td>
<td>.000</td>
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<td>N</td>
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<tr>
<td>A3_Erct_Lubr Pearson Correlation</td>
<td>.458**</td>
<td>-.046</td>
<td>.067</td>
<td>1</td>
<td>.187</td>
<td>.428**</td>
<td>.540**</td>
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<tr>
<td>Sig. (2-tailed)</td>
<td>.000</td>
<td>.729</td>
<td>.610</td>
<td>.152</td>
<td>.001</td>
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<td>A4_Orgasm Pearson Correlation</td>
<td>.534**</td>
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<td>.655**</td>
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<td>.113</td>
<td>.152</td>
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<tr>
<td>A5_OrgSatis Pearson Correlation</td>
<td>.464**</td>
<td>.043</td>
<td>.248</td>
<td>.428**</td>
<td>.327*</td>
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<td>.644**</td>
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<tr>
<td>Sig. (2-tailed)</td>
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<td>.746</td>
<td>.056</td>
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<td>60</td>
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<td>60</td>
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<tr>
<td>Asex_Total Pearson Correlation</td>
<td>.804**</td>
<td>.506**</td>
<td>.589**</td>
<td>.540**</td>
<td>.655**</td>
<td>.644**</td>
<td>1</td>
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<tr>
<td>Sig. (2-tailed)</td>
<td>.000</td>
<td>.000</td>
<td>.000</td>
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**. Correlation is significant at the 0.01 level (2-tailed).
* . Correlation is significant at the 0.05 level (2-tailed).
in OCD group with sexual dysfunction have statistically significant distress compared to subjects without sexual complaints may be explained by Mowrer’s two-stage conceptualization of OCD is particularly useful in explaining the relationship between sexual dysfunction and OCD likely that depressive symptoms and sexual problems are linked in a cyclic fashion with one contributing to the other. Concerning sexual dysfunction alone, there is little agreement about its causes, except that it is multiply determined, and that the relationships between sexual dysfunction and mood are “complex and multidirectional”.

Early recognition of SD will lead to better choice of antidepressant medication, behavior therapies & treatment plan with a favorable side effect profile & use of pharmacologic interventions wherever necessary to improve the overall quality of life in OCD.

Future Directions
The following recommendations may be there for considered.
• That further systematic research needs to be conducted on the nature of sexual dysfunction in OCD, to more definitively show a relationship between OCD and sexual dysfunction.
• That more longitudinal and experimental work is needed to address whether sexual dysfunction causes depression and anxiety, whether depression and obsessions cause sexual dysfunction, or whether the relationship is truly bidirectional and reciprocating.

LIMITATIONS
There are certain inherent limitations with this study.
First, the gender ratio obtained due to methodology of sample selection does not match with the epidemiologic rates for OCD. It is well documented that male:female ratio is for 1:1 for OCD.

Second, we tried to control the demographic factors, physical morbidity, and psychiatric morbidity as risk factors for sexual dysfunction in OCD. Besides these, there are other innumerable factors that contribute to sexual dysfunction.

Thirdly the absence of a control group limits our study so far comparison is concerned.

Fourthly, the cross-sectional nature of this study limits our possibility to explore the cause-and-effect relationship between sexual dysfunction and psychiatric diagnoses.

Last, since the data were collected from a specific population, the degree to which they represent the general population cannot be commented on.

REFERENCES


