Descriptive co-relation study to assess the Co-dependency and Depressive’s symptoms among wives of Alcoholics in selected rural communities at Kondancheery Village

Aruna Devi, Revathi PG, Ranjitha R and Raj Kumar N

Abstract
Alcoholism is a chronic behavioural disorder manifested by repeated drinking of alcohol beverages, in excess of the dietary social use of community and to an extent that interferes, with drinker’s health or is social or economic functions. The research design for the study descriptive research design. Convenience sampling technique was used to select samples. Structured interview was used to collect background variable, co-dependency scale and center for epidemiological studies depression scale. Data were collected by 100 from rural population at Kondancheery. The result shows that 17% were between the age group 20-25 years, 34% were between 26-30 years, 12% were between 31-35 years, 14% were between 36-40 years and 23% were between 41-45 years. 72% of the marriage were non-consanguineous marriage and 28% were consanguineous marriage. Duration of staying together were 2-4 years for 11%, 5-7 years for 19%, 8-10 years for 12% and above 10 years for 58% of the sample. It was observed that among 100 samples, 24% have only 1 child, 40% have 2 children, 30% have 3 children and only 6% of the sample have 4 children. 40% of the sample had no formal education, 29% had primary education, 25% had high school education and only 6% had studied PUC. The occupational status of the samples was found out that 45% were house wives, 47% were going for daily wages and 8% were self-employed. Co-dependency scale 55% of the sample was found to be moderately co-dependency scoring 16-39, 45% was found to be highly co-dependent. The result revealed that 80% of the sample had major depression after scoring ≥ 20 and 20% had mild to moderate depression. The mean of co-dependency was 38.33 and SD 6.7 and with regard to depression mean 32.58 and SD 9.1. The computes value of Karl Person's correlation co-efficient was 0.2769. So, this shows there exists a positive correlation between co-dependency and depression. The Karl Person's correlation was used to test the hypothesis. Since the obtained r value is (0.2769) the research hypothesis is accepted. That is there was a significant co-relation between the level of co-dependency and depressive symptoms among wives of alcoholics.

Keywords: Co-dependency, depressive symptoms, alcoholic clients, rural population

Introduction
India is one of the largest producers of alcohol in the world and there has been a steady increase in its production over the last 15 years, according to new statistics. More than two-thirds of the total alcohol beverage consumption in the region is in India, according to figures in the newly-compiled Alcohol Atlas of India. The consumption is a 2 litters per person a year. The statistics show that alcoholism increases suicidal tendencies, incident of domestic violence and affects the ability of a person to concentrate at work. Alcoholic beverages have been used in human societies since the beginning of recorded history. The patterns of alcohol intake around the world are constantly evolving, and alcohol is ubiquitous today. Research has contributed substantially to our understanding of the relation of drinking to specific disorders, and has shown that the relation between alcohol consumption and health outcomes is complex and multidimensional. Increases in the average volume of drinking are predicted for most populous regions of the world in Southeast Asia including India. Cultural differences apparently influence the pattern of alcohol consumption. The problem of excessive alcohol consumption is a major cause of public health concern in most countries of the world today. Heavy consumption, which involves for more than dependence, can cause undoubted misery to individual, who is usually affected by others physical, psychological, and social abilities has well. Life in the family of someone with a drinking problem becomes increasingly restricted.
Excessive intake alcohol leads to a stage of darkness were the person involved loses control over is mental faculties and he maybe a source of danger to himself and for others. Alcohol is associated with a substantial proportion of human violence.

Co-dependency and alcoholism go together because they are two sides of a dysfunctional relationship that reinforce each other. Alcoholism was classified as a disease nearly 50 years ago and has been well established as a disorder of the mind and body. Alcoholics have lost the choice of whether to drink or not and continue to do so despite increasingly severe consequence to their health, job, relationships and freedom. Co-dependency often surrounds the alcoholic and is display by loved ones, friends and even co-workers who find themselves being continually compromised by a problem drinker.

The National Household Survey of Drug Use in the country is the first systematic effort to document the national-wide prevalence of drug use. Alcohol (21.4%) was the primary substance used followed by cannabis (3.0%) and opioids (0.7%). 17% to 26% of alcohol users qualified for ICD 10 diagnosis of dependence, translating to an average prevalence of about 14%. There was a marked variation in alcohol use prevalence in different state of India. Current use ranged from a low of 7% in the western state of Gujarat to 75% in the North-eastern state of Arunachal Pradesh. The incidence study on alcohol use among men was 3 and 2 per 1000 persons in a total cohort of 2,937 households.

The drug abuse monitoring system, which evaluated the primary substance of abuse in inpatient treatment centres found that the major substances were alcohol (43.9%), opioids (26%) and cannabis (11.6%). Alcohol use/abuse prevalence in different regions has thus varied from 167/1000 to 370/1000; alcohol addiction or alcoholism or chronic alcoholism from 2.36/1000 to 34.4/1000; alcohol and drug use/abuse from 21.4 to 28.8/1000.

A study in southern rural India showed that 14.2% of the population surveyed had hazardous alcohol use on the AUDIT. A similar study in the tertiary hospital showed that 17.6% admitted patients had hazardous alcohol use.

A study was conducted in NIMHANS sponsored by WHO shows 20% of women reported domestic violence and 94.5% of women identified their husband’s alcohol consumption as a risk factor in incident of domestic violence. Findings show that relation between alcohol and health outcome is complex and multidimensional.

The purpose of the study was 1.To assess the level of co-dependency among wives of alcoholics.2.To assess the depressive symptoms among wives of alcoholics.3.To find the co-relation between co-dependency and depressive symptoms among wives of alcoholics.4.To find out the association between co-dependency and selected demographic variables.

Methods and Material
A descriptive study was conducted to assess the co-dependency and depressives’ symptoms among wives of alcoholics in selected rural communities at Kondanucherri village respectively. The main study was conducted on 4.3.2020 to 13.3.2020 at Rural population. The 100 samples who met the inclusion criteria were selected by convenience sampling technique. The investigator induced and explained the purpose of the study to samples and the written informed consent. A questionnaire was divided into two sections which include. Section A - background variable, section B consists of co-dependency scale and section C consists of centre for epidemiological studies depression scale. The demographic data was collected using structured interview questionnaire. Data collection period was for 1 week in rural areas.

Result and Discussion
Section A: Demographic Variable of the Rural Population
The present study revealed that 17% were between the age group 20-25 years, 34% were between 26-30 years, 12% were between 31-35 years, 14% were between 36-40 years and 23% were between 41-45 years. 72% of the marriage were non-consanguineous marriage and 28% were consanguineous marriage. Duration of staying together were 2-4 years for 11%, 5-7 years for 19%, 8-10 years for 12% and above 10 years for 58% of the sample. It was observed that among 100 samples. 24% have only 1 child, 40% have 2 children, 30% have 3 children and only 6% of the sample have 4 children. 40% of the sample had no formal education, 29% had primary education, 25% had high school education and only 6% had studied PUC. The occupational status of the samples was found out that 45% were house wives, 47% were going for daily wages and 8% were self-employed. 10% of the samples were Hindu, 90% were Christian. Duration of alcohol consumption by husband was more than 9 years for 57% of the samples, 7-9 years for 14% and 4-6 years for 29%. 60% of the sample had alcoholic history in parents and 40% had no alcoholic history in parents.

Section B: Determine the Level of Co-Dependency among Wives of Alcoholics
The present study revealed that based on co-dependency scale 55% of the sample was found to be moderately co-dependent scoring 16-39, 45% was found to be highly co-dependent.

Table 1: Table 1 shows that there were 14 statements in the Co-dependency scale and the maximum score was 56. The mean value was 38.33 and SD value 6.7.

<table>
<thead>
<tr>
<th>S. No</th>
<th>Aspects</th>
<th>Statement</th>
<th>Max. Score</th>
<th>Co-dependency Score</th>
<th>Co-dependency Mean</th>
<th>Co-dependency SD</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Co-dependency</td>
<td>14</td>
<td>56</td>
<td>38.33</td>
<td>6.7</td>
<td></td>
</tr>
</tbody>
</table>
Section C: Describe the Depressive Symptoms among wives of Alcoholics among Rural Population

Table 2: Show the revealed that 80% of the sample had major depression after scoring ≥ 20 and 20% had mild to moderate depression.

<table>
<thead>
<tr>
<th>Depression level</th>
<th>Category</th>
<th>Wives of alcoholics</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Frequency (f)</td>
<td>Percentage (%)</td>
</tr>
<tr>
<td>No depression</td>
<td>0-14 Score</td>
<td>0</td>
</tr>
<tr>
<td>Mild to moderate</td>
<td>15-21 Score</td>
<td>20</td>
</tr>
<tr>
<td>Major depression</td>
<td>22-60 Score</td>
<td>80</td>
</tr>
</tbody>
</table>

Table-2 revealed that 80% of the sample had major depression after scoring ≥ 20 and 20% had mild to moderate depression.

Figure- 02 revealed that 80% of the sample had major depression after scoring ≥ 20 and 20% had mild to moderate depression.

Figure 2: Show the Depression level

Table 3 shows that there were 20 statement in the center for epidemiological studies-depression scale and mean of depression was 32.58 and SD 9.1.

Table 3: Mean response on depressive symptoms level among wives of alcoholics N=100

<table>
<thead>
<tr>
<th>S. No</th>
<th>Aspects</th>
<th>Statement</th>
<th>Max. Score</th>
<th>Mean</th>
<th>SD</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Depressive symptoms</td>
<td>20</td>
<td>60</td>
<td>32.58</td>
<td>9.1</td>
</tr>
</tbody>
</table>

Table 3 shows that there were 20 statement in the center for epidemiological studies-depression scale and mean of depression was 32.58 and SD 9.1.

Section D: Find out the relationship between co-dependency and depressive symptoms among wives of alcoholics

Table 4: Relationship between co-dependency and depressive symptoms among wives of alcoholics N=100

<table>
<thead>
<tr>
<th>Aspects</th>
<th>Max. score</th>
<th>Response Mean</th>
<th>SD</th>
<th>Correlation Coefficient (r)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Co-dependency</td>
<td>56</td>
<td>38.33</td>
<td>6.7</td>
<td>0.2769</td>
</tr>
<tr>
<td>Depressive symptoms</td>
<td>60</td>
<td>32.58</td>
<td>9.1</td>
<td></td>
</tr>
</tbody>
</table>

The table 7 shows that mean of co-dependency was 38.33 and SD 6.7 and with regard to depression mean 32.58 and SD 9.1. The computes value of Karl Person’s correlation coefficient was 0.2769. So, this shows there exists a positive correlation between co-dependency and depression.

The Karl Person’s correlation was used to test the hypothesis. Since the obtained r value is (0.2769) the research hypothesis is accepted. There is a significant co-relation between the level of co-dependency and depressive symptoms among wives of alcoholics.

Section E: Association between co-dependency and demographical variables among wives alcoholics

The present study revealed that there was significant relation between co-dependency and demographic variables like age ($\chi^2=20.31$), type of marriage ($\chi^2=20.51$), educational level ($\chi^2=22.30$), occupational status ($\chi^2=10.75$), monthly family income ($\chi^2=7.24$). There was not significant relation between co-dependency and demographic variables like duration of married life, number of children, type of family, duration of alcohol consumption by husband, alcoholic history in parents. So the research hypothesis, H2 is accepted. That is there was significant association between of co-dependency and selected demographic variables.

Conclusion

This showed that there is co-dependency scale 55% of the sample was found to be moderately co-dependency scoring 16-39, 45% was found to be highly co-dependent 80% of the sample had major depression after scoring ≥ 20 and 20% had mild to moderate depression. The study revealed positive co-relation between the co-dependency and depressive symptoms.

Reference