Original article:

A study to screen separation anxiety disorder among higher secondary school students

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**Abstract:**

**Introduction**: Separation anxiety is the only anxiety disorder restricted to infancy, childhood, or Adolescents. They have excessive fear or anxiety concerning their separation from home or their caregivers.

**Aim**: To screen for separation anxiety disorder among higher secondary school students using SCARED scale child version and parent version.

**Method**: Descriptive was study done in 400 higher secondary students from two schools students and their parents were interviewed using SCARED scale child version and parent version.

**Results**: Our study shows that 9% of the children have separation anxiety disorder. Prevalence in females is 10.5% and in males is 7% respectively.

**Conclusion**: The prevalence of anxiety among school children is higher in our study compared to the previous studies with prevalence being higher in females. Prevalence of separation anxiety disorder is higher than in previous studies. There is no gender difference in separation anxiety disorder which is in accordance with previous studies.

**Keywords**: Scared Scale, separation anxiety disorder, behaviour, performance

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**Introduction**: One of the most common psychiatric problems prevailing among adolescence in this era is the anxiety disorders (1,2). Adolescence is a peculiar period between a dependent child and an independent adult. They comprise of 15% of the total population in developed countries and 22.8% in India. Though many are affected, it is solely under diagnosed. This is because both the parents and the practitioners themselves ignore the early signs and symptoms and hence no appropriate treatment (3). These traits can continue through adulthood and may become permanent and difficult to treat. Early onset symptoms (<13 years) have more chronic and persisting course (4,5). The symptoms may appear subtle, but they can lead on to serious and chronic illness. Though the spectrum of anxiety disorders in adolescence varies, the critical part is it causes significant emotional stress among family members.
and also academic under achievement in the individual.

**Aim and objectives**
To screen for separation anxiety disorder among higher secondary school students using SCARED scale child version and parent version.

**Materials and methods:**
Descriptive study was done by Department of Paediatrics, Kilpauk Medical College Hospital, and Chennai in higher secondary students. Institutional Ethics committee approval, School Management permission to conduct the study in school premises and informed consent was obtained. 400 Higher secondary school students (11th standard) from 2 schools were recruited for the study. SCARED scale, Child version and Parent version questionnaire was used to access 3 months situation. One to one interview was taken with students; parents were interviewed in teacher parent meeting individually.

**Results**
400 higher secondary students from 2 schools were questioned, equal gender distribution in the ratio of 1:1. Analysis reveals that prevalence of Separation anxiety disorder is 36 (18%) in child version. Distribution of generalised anxiety disorder in gender, male 15 (7.5%), female 21 (10.5%). Parent version shown prevalence of Separation anxiety disorder is 42 (21%) which is 3% higher than child version. Both gender shown 1.5% increase in separation anxiety disorder in parent version than child version. Analysis of gender distribution as per child version of SCARED scale shows that Separation anxiety disorder is more in females than males.

**Table 1 Distribution of study results in gender**

<table>
<thead>
<tr>
<th>Version</th>
<th>Generalised anxiety disorder</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Male</td>
</tr>
<tr>
<td>Child version</td>
<td>7.5%</td>
</tr>
<tr>
<td>Parent Version</td>
<td>9%</td>
</tr>
</tbody>
</table>

**Discussion**
Our study shows prevalence of 9.0% in child version and 10.5% in parent version of separation anxiety which is higher than usual as this may attributed to working parents, nuclear family and urbanisation. Other studies showed an average of about 3.75%.

Our study showed no gender difference in separation anxiety disorder which is similar to Susan Jo Perlmutter et al in their study also showed no gender difference (10).
SEPARATION ANXIETY DISORDER

<table>
<thead>
<tr>
<th>Study</th>
<th>Separation Anxiety Disorder</th>
</tr>
</thead>
<tbody>
<tr>
<td>Susan Jo Perlmutter et al (10)</td>
<td>3.5-5.4 %</td>
</tr>
<tr>
<td>Saint Louis behavioral medicine institute</td>
<td>4%</td>
</tr>
<tr>
<td>Chaudhury et al</td>
<td>0.94%</td>
</tr>
<tr>
<td>E Emerson et al</td>
<td>3.7%</td>
</tr>
<tr>
<td>Raakhee.A.S and Aparna.N et al (9)</td>
<td>4.0%</td>
</tr>
<tr>
<td>Our study</td>
<td>9.0% (child version)</td>
</tr>
<tr>
<td></td>
<td>10.5% (parent version)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Studies</th>
<th>Male :female</th>
</tr>
</thead>
<tbody>
<tr>
<td>Susan Jo Perlmutter et al (10)</td>
<td>No gender difference</td>
</tr>
<tr>
<td>Our study</td>
<td>No gender difference</td>
</tr>
</tbody>
</table>

**Conclusion:**

Our study showed higher prevalence of Separation anxiety disorder in the study population. This study implies more studies are to be conducted like this study and children with anxiety disorders are to be identified at earlier stage and properly counselled and treated if necessary. This is the need of the hour and to improve both the academic and general outcome of children.

**References:**

gender, school type, social strata, and perceptions of quality time with parents. Australian Journal of


8. Bernstein GA, Hektner JM, Borchardt CM, McMillan MH. Treatment of school refusal: one-year follow-

9. Raakhee A.S, Aparna N. A Study On The Prevalence Of Anxiety Disorders Among Higher Secondary
Students, GESJ: Education Science And Psychology 2011

    Available from: http://www.acnp.org/g4/gn401000163/ch159.html