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Prevalence of Adult Attention Deficit Hyperactivity Disorder (ADHD) among Undergraduates at BUITEMS

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Abstract

Adult attention deficit hyperactivity disorder (ADHD) is a psychosomatic issue which comprises of complications like problem in paying attention, hyperactivity and impulsive behavior. Our obtained results indicated that the general incidence rate of attention deficit hyperactivity disorder in adult population is low that out of 100 undergraduates 36% were ADHD, 53% were non-ADHD and 11% were possible ADHD. Besides it was also revealed from this study that attention deficit hyperactivity disorder is widespread in adult males than in females this is probably due to the constricting emotional nature of males' influenced by the perceived stereotypic virility. However it is crucial to identify ADHD as a serious mental health issue in adults for early treatment and personality management.

Keywords: Adult attention deficit hyperactivity disorder; Impulsivity; Inattention hyperactivity; Wender utah rating scale

Introduction

Attention deficit hyperactivity disorder (ADHD) is a described as a neurobehavioral syndrome which affects approximately 5 to 10% of children or juveniles and 3% of adults [1]. It is reported that the average age for ADHD diagnosis is seven [2]. In the beginning it was known by many names for example, organic driveness, hyperkinetic impulse disorder, hyperactivity, nominal brain dysfunction and attention deficit condition [3,4]. Until in 1960s the American Psychiatric Association (APA) formally documented ADHD as a mental illness [5]. ADHD became distinguishable as a mental issue in 1902 and described as an abnormal illness of moral control in children [6]. Children with ADHD could not control their behavior as normal child could however, they were nevertheless sensible and intelligent [7]. ADHD is identified almost three times more frequently in males than in females [8]. Around 30 to 50% of children with ADHD have indications in adulthood [9]. It is a psychosomatic issue that includes tenacious complications like problem in paying attention, hyperactivity and impulsive behavior [10]. Thus ADHA is persistent neurobehavioral problem which could include an individual's capacity to inhibit conduct (impulsivity), characteristic effectivity in goal-oriented undertakings (inattention), or alter the activity stage (hyperactivity) in developmentally appropriate ways [11,12]. ADHD indications are not constant. Different individuals experience ADHD symptoms contrarily and to erratic degree of severity [13,14]. Overall incident of ADHD is estimated to be from 3% to 7% beginning from school age [15]. However frequency of ADHD in Pakistan has been reported to be around 2.49%. Ratios vary significantly from 2:1 to 9:1 [16]. Factually, it was assumed that ADHD was outgrown in mid to late puberty requiring treatment throughout their lives [17,18]. Adult attention deficit hyperactivity disorder (ADHD) can be cause of precarious relationship, poor work or school performance, low self-esteem, and so on [19]. It makes it difficult for person to pay attention but also control their impulsive behavior [20]. Although symptoms of ADHD begins in childhood but can continue through adolescence and adulthood [21]. It is seen in adulthood because the disorder has been undiagnosed as a child and if the disorder is not diagnosed or discovered it can led to number of difficulties which may be social, academic and occupational trouble along with the symptoms of inattention or impulsiveness [22,23]. Since very scarce data is available on ADHD in adults in Pakistan.

Hence the purpose of this study was to determine the prevalence of ADHD among adult undergraduates studying at BUITEMS.

Materials and Methods

Random selection of undergraduate students from different departments studying at BUITEMS, Quetta, Pakistan keeping the sample size as 100. Diagnostic assessment of ADHD was done with the aid of a clinically acknowledged scale known as Wender Utah Rating Scale (WURS) [24]. Wender Utah Rating Scale items were rated using a 5-point Likert scale whereby 0 = not at all or very slightly and 4 = very much. Adult individuals with score \leq 46 were classified as non- ADHD, score \geq 56 as ADHD. Statistical assessment of the data was done using Microsoft excel.

Results

Figure 1 shows the sex distribution of the sample. Out of 100 undergraduate, 53% were females while 47% were males as shown in Figure 1. Figure 2 reveals the correlation between adult attention deficit hyperactivity disorder and its three dimensions in both the genders. Figure 3 reveals the gender wise incidence of adult attention deficit hyperactivity disorder and Figure 4 reveals the overall occurrence of ADHD.

Discussion

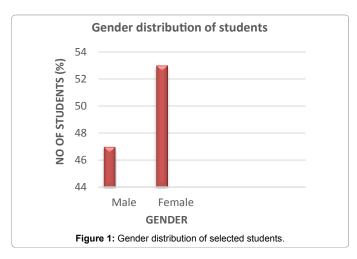
Our study revealed that the overall incidence of Adult attention deficit hyperactivity disorder (ADHD) is low among the studied participants. Figure 4 suggested that out of 100 participants 36% were ADHD, 53% were non-ADHD and 11% were on the border line that they might have ADHD keeping in mind that our sample consisted

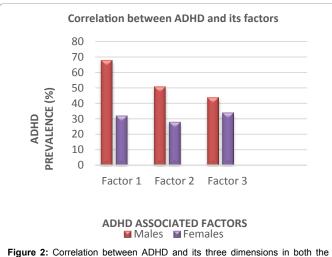
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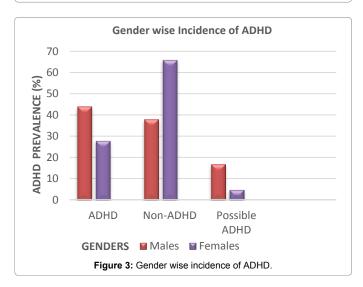
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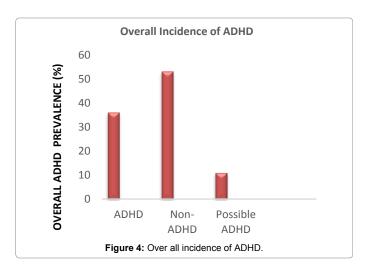
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of 47% males and 53% females as indicated in Figure 1. Our results revealed that Adult attention deficit hyperactivity disorder is more common in males than in females as indicated in Figure 3 that 44% of males had ADHD while only 28% females were reported ADHD. Therefore our obtained result supported the fact that the prevalence



of adult attention deficit hyperactivity disorder (ADHD) is much higher among males than in females. High prevalence of adult attention deficit hyperactivity disorder (ADHD) in males is probably due to the constricting emotional nature of males' influenced by the perceived stereotypic virility [25,26]. These men had been dejected as young fellows from imparting and examining their sentiments by gatekeepers, companions, instructors, or recreations coaches, and some were even repelled for doing thusly [27]. Along these lines, they didn't improve a terms for, nor an attentiveness of, countless feelings [28]. One standardizing manly part prerequisite is the limitation of enthusiastic articulation [29]. This standard is conjectured to set up and keep up control and to conceal weakness in a male centric social framework [30]. So we can say that there is a correlation between the authentication of customary maleness ideology and adult attention deficit hyperactivity disorder. Aspect of socialization undertakes a part in the progression of restrained emotionality suggesting that men are mainly less sensitive and fervent but rather more sensible than women [31,32]. Additionally the nervous system of males and females work differently in terms of critical thinking and emotional functioning, therefore ADHD effects males and females differently [33,34].

Conclusion

Thus in the light of this research study it is therefore concluded that Adult attention deficit hyperactivity disorder (ADHD) is more prevalent in males and is associated with numerous functional and emotional problems. Therefore it is imperative to report this problem at university level because it might have disturbing effects on adult.

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