

Sleep and child mental health

To the Editor

Mental health of children and adolescents is neglected worldwide. However, this unfortunate trend is more obvious in developing countries where there is relatively a dearth of literature and research. Primary children mental health are scarce. The paper by **Marwan M. Al Sharbati**,¹ is timely and offers certain recommendations (formulated by parents and teachers who are themselves parents, alike may result in early identification, proper intervention and improvement in overall sleep pattern of children. As a corollary, other sleep related disorders such as behaviors identified in this sleep disorders such as underachievement in studies and mood fluctuations will also return to normal limits. **Slowly over the time, as another mental** minor concerns that need proper consideration, another mental the number of children manifesting sleep problems is 80 (28.9%), only 52 children (**Other sleep disorder** Table 1) were sleeping after 10 p.m. in the night. **It is not the only cause for** sleeping time per se is not the only cause for deterioration in children performance, sleepiness, fatigue, and labile moods. If it is so, the author should address this important point in his discussion, lobby for other possible etiologies. The presentation of the study, which is slightly confusing. For example, the sample and sleep descriptive variables are shown in additional sleep pattern. What is poor poor sleepers without sleep disorders or defined but if it is so as I have mentioned in the abstract. A good good sleepers without sleep disorders or defined but if it is so as I have mentioned in the abstract. A good should have been kept in mind. The complaints of Further, the shown chi-square have a systematic component in I, II and III and so for school performance, high sleep, cc and poor (3 by 2 table) should have degrees of freedom rather 1. From the perspective of medical research and the tremendous importance of sleep, the author should like to comment briefly about sleep and sleep disorders. Sleep is a normal rhythmic cycle and sleep disorders are essential for good human health. Sleep disorders are definitely varies according to the age group. It is recommended to all human beings and the importance of proper development, growth, equilibrium and health. Normally an adult should sleep 6-8 hours. Primary health care and long sleepers have variable appearance. Sleep cycle has 5 distinct stages, which are acquired by very polysomnography. These stages are developmentally (REM) and 4 stages of non-rapid eye movement (NREM) that is 1, 2, 3, and 4. Laboratory sleep studies and their own characteristics, for instance stage 2 of NREM is characterized by specific EKG wave, burst of low frequency sleep spindles and K complex. REM sleep is characterized by typical story-like dreams, which occupies approximately 20-25% of total sleep. These specific stages have programs characteristics, temporal organization as well. For instance REM sleep occurs repeatedly throughout the so night alternating with NREM sleep, approximately every

Primary sleep disorders

Slowly over the time, as another mental
Other sleep disorder

Table 1

Naseem A. Oureshi
 Buraidah Mental Health Hospital
 PO Box 2292
 Buraidah
 Kingdom of Saudi Arabia

Reply from the Author

Thanks to Dr. Naseem Akhtar Oureshi, for his valuable remarks and comments concerning my paper entitled "Sleep problems among pupils in Benghazi, Libya. Saudi Med J. 2002; 23: 1105-1109" that signifies his interest in this vital topic. However, I would like to answer briefly the queries mentioned in his letter. Delayed sleep time (after 10:00 p.m.) caused by poor parental control, in my opinion, is the main cause of sleep problems and consequent behavioral disturbances. Firstly, it affected the majority of the pupils suffering from sleep problems (52 out of 80, 65%), secondly, although the rest (28, 35%) showed other sleep problems (as nightmares, sleepwalking, sleep talking, insomnia), (with the exception of insomnia) they do not cause major effect on daytime functioning. Being a pilot study in this field, I wanted to attract the readers' attention to the most common problem encountered in this study, and what I see frequently in the child psychiatric clinic, namely, the extrinsic sleep problem, caused by (unhealthy) environment, which is attributed to the inappropriate following of the parents to their children, who do not advise them to sleep early (due to ignorance, negligence, or unawareness), and letting them viewing the TV programs late in night. If this message could be received and accepted, then for a casualton rectify the situation by proper guidance and advice that will solve the other problems (as insomnia) and otherwise fix many of the secondary, organic or non organic with combic as the gard picture, and will divert the attention to other many commonly encountered problems in school which are treated in specialized clinics only. In addition, the most common issue needs another study to see if they needed the need revision information (concerning insomnia definition) in order to increase extensive interviewing of the pupils, sleep is the essential by examination and investigation programs about sleep problems relevant information from the parents is needed, and was presented originally in such a way that the attribute cell of the first column was divided by an outer line and from the upper left to lower right with sleep parameters, which situated in the upper triangle including some of the total), while the descriptive variables include available categories: (school, sex, and developing the variables and subcategories, it seems that this has been changed during the process of printing, because after looking at that table will clarify the situation with respect to Table 2, which also the degrees of freedom in the chi square test realized in the III and for school performance as shown in Table 2, which is explained by 2, Table), since this is a chi square test, which does not follow the traditional (both for

Categorical variable	Sleep pattern		Total n
	Poor n (%)	Good n (%)	
School	26 (32.5)	63 (77.5)	89
Sex	17 (21.25)	74 (91.75)	91
Age	50 (62.5)	31 (38.75)	81
School performance	28 (35)	108 (132.5)	136
Stressors and issues	28 (35)	53 (65)	81
Mood fluctuations	17 (21.25)	10 (12.5)	27
Absent	63 (78.75)	18 (22.5)	81

Correspondence

order to reduce the suffering of poor sleep and prevent its serious problems.

Thanks again for Dr. Naseem A. Qureshi, for raising these interesting points.

Marwan M. Al-Sharbati
*Department of Behavioral Medicine and Psychiatry
 College of Medicine
 Sultan Qaboos University
 Al-Khoud, PO Box 35,
 Postal Code 123,
 Sultanate of Oman*

References

1. Al-Sharbati MM. Sleep problems among pupils in Benghazi, Libya. *Saudi Med J* 2002; 23: 1105-1109.
2. American Psychiatric Association. Diagnostic and Statistical Manual of Mental Disorders. 4th ed. (DSM-IV). Washington (DC): American Psychiatric Association; 1994.
3. Jouvet M. The paradox of sleep: the story of dreaming. Cambridge (USA): Mass MIT Press; 1999. p. 184.
4. Stores G, Wiggs L. Sleep disturbance in children and adolescents with disorders of development: its significance and management. London (UK): MacKeith Press; 2001. p. 221.
5. Campbell MJ, Machin D. Medical Statistics: A comprehensive approach. 3rd ed. Chichester (UK): John Wiley & Sons Ltd; 1999. p. 150-175.
6. http://www.umanitoba.ca/centres/mchp/concept/dict/Statistics/cochran_armitage.html
7. <http://bmj.com/collections/statsbk/8.shtml>
8. <http://www.sjsu.edu/faculty/gerstman/EpiInfo/bin-trend.htm>

Erratum

In manuscript “Paradoxical response to anti tuberculous drugs”, Saudi Med J 2002; Vol. 23 (12) 1549-1551, Table 1 should have appeared as below:

Table 1 - Demographic, clinical and paradoxical response of patients.

n	Age (year)	Presentation	Ways of diagnosis	Site of PR	How PR presents	Onset of PR (months)
1	23	PUO treated with anti-TB trial	*LN biopsy	LN	Appearance of new LN in the right supraclavicular	2
				Skin	Cold abscess	4
2	24	Left cervical LN enlargement	*LN biopsy	LN	Appearance of new LN	9
3	23	Left supraclavicular LN enlargement	*LN biopsy	LN	LN increase in size	2
4	25	Right supraclavicular and hilar LN enlargement by CXR	*LN biopsy	LN	Right hilar LN increase in size and appearance of new paratracheal LN	4
5	21	Fever, hemoptysis, night sweating, CXR right upper zone infiltrates	Sputum AFB	LN	Appearance of left supraclavicular	4
6	26	Cough, hemoptysis, CXR left upper zone infiltrates	Sputum AFB	Pulmonary	Left upper lobe opacity increase and appearance of new with upper lobe opacity	1

*excisional biopsy taken for all.
 LN - lymph node, CXR - chest x-ray, AFB - acid fast bacilli, TB - tuberculosis, PR - paradoxical response, PUO - pyrexia of unknown origin