Evaluation of child abuse in a Central Anatolian city of Turkey*

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Abstract

Background: Although child abuse has existed since the beginning of the human history, it only has a 100- year background of being considered as a problem and studies fostering into it. The start of these studies in Turkey is very new and limited data exists. The aim of this study is to determine the frequency and the related factors of child abuse in Konya, a Central Anatolian city of Turkey.

Methods: The study was conducted in five randomly selected primary schools. One thousand one hundred and fifteen students out of 1368 in grades 2-8 were included. A questionnaire including open ended questions for sociodemographic characteristics and the experience for child abuse were completed by the students. Abuse was defined in three categories as emotional, physical and sexual abuse.

Results: Of 1115 students, 264 (23.7%) were abused. There was significant relationship between being abused and low socioeconomic status (p=0.01) and working mother (p=0.0001). Aggressive personality (p=0.02), feeling insecure (p=0.001) and the idea of leaving home (p=0.001) were more frequently observed in abused children than non-abused children. Idea of suicide in abused children was higher than non-abused children (p=0.0001). Abused children had lower academic performance at school than non-abused children (p=0.002) and had less hope for future (p=0.0001).

Conclusion: Child abuse is one of the most common pediatric disorders in all age groups. Family physicians should be aware of the risk factors for child abuse and possible preventive interventions.

Key words: child abuse, emotional, physical, and sexual abuse.

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Introduction

Physical abuse of children in our society is a serious problem that has only recently been recognized by the medical community. The first published report in contemporary medical literature was in 1946, and the term "battered-child syndrome" was coined in 1962.¹ In the following years, children who experienced any type of abuse or neglect became regularly encountered.^{1,2} Subsequently, child abuse became recognized as a social problem in both developed and developing countries of the world.³

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Submitted date: 19.04.2007 Accepted date: 30.05.2007 Child abuse can be defined as causing or permitting any harmful or offensive contact on a child's body; and, any communication or transaction of any kind which humiliates, shames, or frightens the child. Some child development experts go a bit further, and define child abuse as any act or omission, which fails to nurture or in the upbringing of the children. This state is a behaviour disorder, also accepted by the experts as an abuse, preventing the child's physical, psycho-social development and isolating him/her from the cultural values of his/her society.⁴⁻⁷ While the prevalence of child abuse vary from country to country and between races²⁻¹⁴, it has been determined as 14-54% in Turkey.

Child abuse includes emotional, physical, sexual abuse and neglect. The National Center on Child Abuse and Neglect has established a set of working definitions of the various types of abuse; however, the specific acts that constitute the various forms of abuses are defined under state law and,

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thus, vary from one jurisdiction to another. For this reason, child abuse is a legal finding, not a diagnosis.⁴

Emotional abuse includes the failure of a caregiver to provide an appropriate and supportive environment, and includes acts that have an adverse effect on the emotional health and development of a child. Such acts include restricting a child's movements, denigration, ridicule. threats and intimidation. discrimination, rejection and other nonphysical forms of hostile treatment. They may also have a potential of harm on the child's cognitive, emotional and physical development. It is the most difficult to define but the most common abuse type. Some examples are; rejecting, despising, leaving alone, misleading, picking, scaring, intimidating, threatening, leading to crime, not meeting needs, frequently criticizing, expecting more responsibility, humiliating, making fun, nicknaming, pressure and trying to be authority.4,7

The National Center on Child Abuse and Neglect defines child physical abuse as: "The physical injury or maltreatment of a child under the age of eighteen by a person who is responsible for the child's welfare under circumstances which indicate that the child's health or welfare is harmed or threatened thereby..." Some examples are; punching, hiting, kicking, throwing, slapping, using belt, pan, hose, strap, cigarette, iron or any other hot object. It is the most common and the easiest determined type of abuse.^{4,7}

National Center on Child Abuse and Neglect defines child sexual assault as: "Contacts or interactions between a child and an adult when the child is being used for sexual stimulation of the perpetrator or another person when the perpetrator or another person is in a position of power or control over the victim." It is the most difficult to determine and the most hidden type of abuse and it is considerably an important event in terms of its short and long term effects. It constitutes of many behaviours including sexy speaking, showing sexual organ or doing masturbation, exhibiting, explicitly or implicitly peeping, touching, oral-genital sex, interfemoral affair, sexual exploitation, pornography and raping. It has been reported that 25.0% girls and 15.0% boys are exposed to sexual abuse before puberty.^{17,18} In USA at least, 100.000-500.000 children a year are exposed to abuse.^{6,19} Sexual abuse rates tend to rise after the onset of puberty, with the highest rates occurring during adolescence.^{20,21} In a nationwide telephone survey of 2000 children aged 10-16 years in the United States 23.5%

of girls and 9.6% of boys reported being subjected to a completed or attempted sexual assault at least once.²²

The abused children may show inharmonious and striking manners like getting away from family, being tense, developing dependant character, developing feelings like being valueless.⁷ Depression, social problems, high levels of distress, rigidity, unhappiness, loneliness, emotional and behavioral problems may develop in children who are exposed to abuse.^{4,6,8,10,23,24}

Risk factors for child abuse are high rates of crime in the society, poor social services. high poverty rate. hiah unemployment rate, history of physical or sexual abuse as a child for parents, teenage and/or single parent, emotional immaturity, poor coping skills, low self-esteem, substance abuse, poor social support, domestic violence, poor parenting skills, mental health problems, multiple young children, unwanted pregnancy, denial of pregnancy and prematurity, low birth weight and handicapped child.^{4,25,26} Although child abuse has existed since the beginning of the human history, it only has a 100-year background of being considered as a problem and studies fostering into it. The data on child abuse in Turkey is scarce because of the inadequate records. Although child neglect and abuse is a broad subject, physical abuse steps forward within all the abuse types.

The aim of this study was to find out the prevalence and related factors for child abuse in primary school students.

Material and Methods

A descriptive and cross-sectional study was conducted in November 2005-February 2006 to find out the prevalence and related factors for child abuse in five randomly selected urban primary school students aged 8-14 years in Konya city of Turkey. Approval and consent were obtained from the Department of Education in Konya. Of 1368 students, 1115 (81.5%) participated in the study. They were in grades 2-8. The first grade teachers did not give consent.

First, information on child abuse was given to teachers and students by a family physician. Then students completed questionnaires on child abuse without giving their names. The teachers added information on the student's school performance and personality. The sociodemographic information was included in the questionnaire. The openended questions on child abuse included the type of abuse, the features of abuser and their future expectations.

	Abused children		Non-abused children		
	(n)	(%)	(n)	(%)	р
Age (mean±SD)ª	264	11.18±1.7	851	11.06±1.6	0.282
BMI (mean±SD) ^a Gender	264	17.8±4.1	851	17.5±4.3	0.353
Female	119	45.1	420	49.4	
Male	145	54.9	431	50.6	0.252
Grade					
2-5	142	53.8	501	58.9	
6-8	122	46.2	350	41.1	0.165
Number of siblings					
1-2	96	36.4	314	36.9	
3-11	168	63.6	537	63.1	0.933
SES					
Good	96	36.4	379	44.5	
Moderate	139	52.7	417	49.0	
Bad	29	11.0	55	6.5	0.010
Contribution to famil	ly income				
Yes	53	20.1	147	17.3	
No	211	79.9	701	82.7	0.357
Migration					
Yes	43	16.3	153	18.0	
No	221	83.7	698	82.0	0.528
Type of family					
Nuclear	213	80.7	669	78.6	
Disperse	14	5.3	46	5.4	
Wide	37	14.0	136	16.0	0.735

Table 1: Sociodemographic details of abused and non-abused children in our study (n=1115)

^a Student-t test

(Chi-square or Fisher exact test for the others) SES: socioeconomic status.

Statistical analysis

Data were analyzed using SPSS software (version 11). The chi-square test and student's t test were used. Significance was judged as p≤0.05.

Results

Sociodemographic details

The age, gender and body mass index (BMI) of abused and non-abused children were similar (Table 1). Low socioeconomic status in abused children was higher than non-abused children (p=0.010). There was significant relationship between parental occupation and child abuse (p=0.0001 for mothers, p=0.002 for fathers) (Table 2).

Prevalence of child abuse

Two hundred and sixty-four (23.7%) out of 1115 students stated that they have been exposed to one or more type of abuse. The prevalence and type of child abuse in these 264 students are presented in Table 3. The number of students experiencing physical abuse was 112 (10.1%), emotional abuse 210 (18.8%) and sexual abuse 15 (1.3%) in 1115 students.

Emotional abuse

Males constituted 52.9% (111/210) and females 47.1% (99/210) of the abused children. The mean age was 11.13±1.7 years (range=8-14). The question 'Why do you think you are exposed to emotional abuse?' was asked to abused children and 22.9% (27/118) expressed "committing crime" and 18.6% (22/118) "being aggressive". "How did you react?" was asked and 24.9% (57/127) said they kept silent, 18.9% (24/127) stated that they cried. Of abused children, 8.9% (16/179) expressed the violence frequency as everyday, 15.1% (27/179) once a week, 33.0% (59/179) once a month, 38.5% (69/179) once in 2-3 months and 4.5% (8/179) once a year. The abusers were fathers in 37.7% (43/114) of students, mothers 31.6% (36/114), elder siblings 14.9% (17/114), other relatives 5.3%

Table 2: Parental details of children in the study

	Abused children Non-abused children				
	(n)	(%)	(n)	(%)	р
Formal marriage					
Yes	241	91.3	795	93.4	
No	23	8.7	50	5.9	
Divorced / Widowed	-	-	6	0.7	0.109
Mean age of mothers ^a Maternal occupation	264	36.17±5.7	851	35.70±5.2	0.209
Housewife	238	90.2	828	97.3	
Working out	26	9.8	23	2.7	0.0001
Education status of mother					
Illiterate	54	20.5	146	17.2	
Primary school and more	210	79.5	705	82.8	0.259
Step-mother					
Yes	10	3.8	22	2.6	
No	254	96.2	829	97.4	0.307
Mean age of fathers ^a	264	39.9±5.6	851	38.9±5.6	0.01
Paternal occupation					
Illiterate	32	12.1	101	11.9	
Primary school	232	87.9	750	88.1	0.259
and more					
Step-father					
Yes	9	3.4	21	2.5	
No	255	96.6	818	97.5	0.430

^a Student-t test

(Chi-square or Fisher exact test for the others)

(6/114), step parents 0.9% (1/114) and individuals out of family 9.6% (11/114).

Physical abuse

Males represented 65.2% (73/112) and females 34.8% (39/112) of the abused children. The mean age was 11.03±1.7 years (range=8-14). The question 'Why do you think you have been exposed to physical abuse?' was asked to the abused children and 23.2% (26/84) replied because of 'committing crime', 12.5% (14/84) 'rejecting'. The response rate was 75.0% (84/112). The guestion 'How did you react?' was asked and 26.0% (32/84) stated that they kept silent, 23.7% (30/89) cried. The frequency was everyday for 9.2% (9/98) of students, once a week for 25.5% (25/98), once a month for 28.6% (28/98), once in 2-3 months for 31.6% (31/98) and once a year for 5.1% (5/98). The abusers were mothers in 39.1% (34/87), fathers in 31.0% (27/87), elder siblings in 14.9% (13/87), other relatives in 6.9% (6/87) and individuals out of family in 8.0% (7/87).

Sexual abuse

Males were 53.3% (8/15) and females 46.7% (7/15) of the abused children. The mean age was 10.0 ± 1.5 years (range=8-13). 'Why do you think you are exposed to sexual abuse?' was asked and 42.9% (3/7) answered as 'I don't know' and 28.6% (2/7) 'being young'. 'How did you react?' was asked and 60.0% (6/10) of students said they kept silent, 20.0% (2/10) stated that they tried to keep away and 20.0% (2/10) resisted. We have no data on the frequency of abuse and the identity of abuser.

Aggressive personality (p=0.023), feeling insecure (p=0.001) and the idea of leaving home (p=0.001) and suicidal thought (p=0.0001) were more frequent in abused children than non-abused ones. School performance was lower in abused children (p=0.002) and they had less hope for future (p=0.0001) (Table 4).

Gender Female Male Total n (%) n (%) n (%) Type of child abuse Physical 17 (3.1) 29 (5.1) 46 (4.1) Sexual 3 (0.6) 3 (0.3) _ 74 (12.8) Emotional 73 (13.5) 147 (13.2) Emotional and physical 22 (4.1) 32 (5.5) 54 (4.8) 3 (0.3) Physical and sexual 2 (0.4) 1 (0.2) Emotional and sexual 2 (0.4) 2 (0.2) Emotional, physical and sexual 3 (0.6) 6 (1.0) 9 (0.8) Abused child 119 (22.1) 145 (25.2) 264 (23.7) Non-abused child 420 (77.9) 431 (74.8) 851 (76.3) Total 539 (100.0) 576 (100.0) 1115 (100.0)

Table 3: Types of child abuse in primary school students (n=1115)

Discussion

Between 1985 and 1993, the number of cases of child abuse in the United States increased by 50 percent. In 1993, three million children in the United States were reported to have been abused. Thirty-five percent of these cases of child abuse were confirmed.⁴ According to the 1996 National Committee Report, 57% of cases were neglect and emotional abuse, 25% physical, 11% sexual and 7% was other types of abuse.⁴

In studies, it has been determined that emotional abuse is frequently seen with other types of abuse and can reach up to 85.0%. The prevalence of emotional abuse in our study is concordant with literature.^{4,6,14,15,27}

In a study carried out at Zimbabwe primary schools, physical abuse rate in schools in 1995 was 34.8%.⁸ In a study in Egypt, 37.0% of children reported being beaten or tied up by their parents and 26.0% reported physical injuries such as fractures, loss of consciousness or permanent disability as a result.⁹

In a recent study in the Republic of Korea, two-thirds of parents reported whipping their children and 45.0% confirmed that they had hit, kicked or beaten them.¹⁰

In a study in Romania, it was found that 4.6% of children reported suffering from

severe and frequent physical abuse, including being hit with an object, being burned or being deprived of food. Nearly half of Romanian parents admitted beating their children 'regularly' and 16.0% beating their children with objects.¹¹

In Ethiopia, 21.0% of urban school children and 64.0% of rural school children reported bruises or swellings on their bodies resulting from parental punishment.¹²

In a study carried out in 8 cities of Turkey in 1980-1982 among 16100 children, the prevalence of child abuse was found as 33.0%. The prevalence changes with geographical region; 14.0% in the Western and 54.0% in the Eastern Anatolia.⁵

In a study at pediatric psychiatry clinic in Turkey, the prevalence was 36.1%; 58.0% physical, 21.5% emotional abuse and 20.5% both. Sexual abuse could not be questioned. There was significant relationship between socioeconomic status and child abuse. paternal occupation and abuse. The main risk factors were physical illness of the child, badtempered child, incompatibility in the family and the psychological illness of the mother. One fourth of admissions were for low school performance supporting the idea that the low school performance abuse.^{4,6,8,10} was related to

	Abused children		Non-abused children		
	(n)	(%)	(n)	(%)	p
Type of personality					
Extrovert	85	32.2	318	37.4	
Introvert	83	31.4	242	24.4	
Aggressive	11	4.2	12	1.4	
Compliant	85	32.2	279	32.8	0.023
Feeling insecure					
Yes	195	73.9	779	91.5	
No	27	10.2	24	2.8	
Sometimes	42	15.9	48	5.7	0.001
ldea of leaving home					
Yes	12	5.2	2	0.5	
No	218	94.8	439	99.5	0.001
ldea of suicide					
Yes	31	13.1	22	5.0	
No	205	86.9	422	95.0	0.0001
School performance					
Bad	21	8.0	36	4.2	
Moderate	52	19.7	115	13.5	
Good	155	58.7	538	63.2	
Wonderful	36	13.6	162	19.1	0.002
Expectations for future					
Yes	221	90.6	698	98.2	
No	23	9.4	13	1.8	0.0001

Table 4: Details of abused children

In a study in 3725 primary school students in Elazig city, Turkey, 74.0% of the students (51.7% boys, 33.9% girls) expressed exposure to physical violence at least once in their lives, 43.4% occasional, 33.1% once or twice a week, 2.1% every day physical abuse.13 During the last year, 17.3% of students were exposed to physical abuse by mother, 13.9% by father, 19.8% by teacher.

The prevalence in our study is consistent with national and international studies.⁴⁻¹³

A study Quasem et al¹⁴ from Kuwait showed that 86% parents believe in the importance of physical punishment in child discipline.

In a study from Turkey, children declared the rate of physical punishment as 61.0% for their mothers and 40.0% for fathers whereas mothers' declaration was 9.0% and fathers' 3%.¹⁵ In another study by Aral et al¹ from Turkey, it was determined that 65.7% of children were exposed to physical abuse by parents. The identity of the abuser in our study is consistent with national and international studies indicating that violence is considered as normal by the parents.

Although national and international studies^{13,28} state that physical abuse is higher in boys than girls we could not find a significant difference.

In a study from Turkey, it was found that abuse types were distributed as; 85.0% emotional, 66.0% physical and 38.0% sexual. Our rates are quite lower than rates in the literature.

Low education and SES, psychological problems of parents, serious incompatibility in family, violence in family, alcohol use of parents, unemployment and separation were stated as risk factors.^{4,6,12,29}

In Finland, 7.6% of girls and 3.3% of boys stated experiencing sexual abuse.³⁰ In a study in Geneva it was %11.0 for boys and 2.5% for girls.³¹ Our result for sexual abuse rate being lower than other studies may be due to traditional structure of Turkish society and underreporting.

In our study, maternal occupation was related to abuse suggesting that it may be due to poor social support..

There are few studies on child abuse in our country. Further studies are needed. Individual, social and global preventive interventions are important for child abuse. Family physicians have great role in diagnosing and preventing child abuse.

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