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**Mild Head Injury in Children:  
Incidence, Etiology and Neuropsychological Sequelae**

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## Abstract

The present study examined the incidence, etiology and neuropsychological sequelae of head injury in an Intermediate School aged sample (11-13 years). The study was conducted in two parts. The first part examine the incidence, etiology and awareness of the consequences of head injury, this information was obtained thorough the screening questionnaire. Of the 173 participants who completed the questionnaire, 41% (42 males and 29 female) reported that they had sustained a head injury, of these, 33.8% reported sustaining more than one injury. In line with the current research, the majority of the head injuries sustained were mild. The gender difference observed in the literature were also reported in the present study, in that males not only sustained more head injuries than females, with a ratio of 1: 1.4, they also sustained more severe injuries. Sport was found to be the most common cause of head injury, with those reporting a head injury playing significantly more hours of sport per week than those who had not sustained an injury. And finally, the level of awareness of the symptoms of head injuries was investigated and it was found that those who had sustained a head injury were more aware of the consequences than the participants who had not sustained a head injury.

For part two of the study, 43 participants (24 with head injury and 19 controls) were selected to complete a variety of neuropsychological measures and behavioural rating questionnaires. The measures selected were reported to be sensitive to the effects of mild head injury and assessed long and short term memory, attention, concentration, information processing and learning. The results showed that the only statistically significant differences between the head injury and control groups were on the Interference Trial and Trials 6 and 7 of the Auditory Verbal Learning Test. In conclusion, it was found that head injury and multiple head injuries are prevalent in this age group, with the majority of injuries being light or mild. With respect to gender differences and the etiology of head injuries the findings in the present study are in line with current trends. However, small sample sizes meant that comparisons of neuropsychological functioning could not accurately be made between the severity of injuries and the number of injuries.

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## Table of Contents

		<b>Page</b>
	Abstract	ii
	Acknowledgments	iii
	Table of Contents	iv
	List of Tables	vii
	List of Figures	viii
	List of Appendices	ix
<b>Chapter</b>		
<b>1</b>	<b>Introduction</b>	<b>1</b>
<b>2</b>	<b>Epidemiology of Head Injuries in Children</b>	<b>4</b>
	Incidence	4
	Etiology	7
	Risk Factors for Head Injury	8
	Classification of Head Injuries	10
	Awareness of the Symptoms of Head Injuries	12
	Chapter Summary	13
<b>3</b>	<b>Mild Head Injury</b>	<b>15</b>
	Definition of Mild Head Injury	15
	Postconcussional Syndrome in Children	16
	Concussion	17
	Multiple Head Injury	21
	Chapter Summary	26
<b>4</b>	<b>Neuropsychological Sequelae of Mild Head Injury</b>	<b>27</b>
	Neuropsychological Sequelae of Mild Head Injury	28
	Adverse Academic Outcomes Following Mild Head Injury	31
	Alternative Explanations for Adverse Outcomes	32
	Course of Recovery following Mild Head Injury in Children	33
	Chapter Summary	33

<b>5</b>	<b>Implications for Schooling</b>	<b>35</b>
	Returning to the Classroom	35
	Comparison between Students with Head Injury and those with Learning Disabilities	38
	Assessment Issues	39
	Special Education for School Re-entry	42
	Chapter Summary	44
<b>6</b>	<b>The Present Study</b>	<b>46</b>
	Summary of the Research and Present Objectives	46
	Hypotheses	49
<b>7</b>	<b>Method</b>	<b>52</b>
	Research Setting	52
	Ethical issues	52
	<i>Part One: Administration of the Screening Questionnaire</i>	53
	Participants	53
	Measures	55
	Procedure	56
	<i>Part Two: Administration of the Neuropsychological Measures</i>	57
	Participants	57
	Measures	59
	Procedure	62
<b>7</b>	<b>Results</b>	<b>64</b>
	<i>Part One: Information Obtained from the Screening Questionnaire</i>	64
	Hypothesis 1: Head Injury Incidence	64
	Hypothesis 2: Severity of Injuries	64
	Hypothesis 3: Multiple Head Injuries	65
	Hypothesis 4: Male/Female Ratio	68
	Hypothesis 5: Severity and Gender	68
	Hypothesis 6: Etiology	70
	Hypothesis 7: Sport	70
	Hypothesis 8: Awareness	70

	<i>Part Two: Neuropsychological Measures</i>	74
	Results compared to Norms	74
	Hypothesis 9: Scores on Neuropsychological Measures	76
	Hypothesis 10: Severity and Neuropsychological Measures	78
	Hypothesis 11: Multiple Head Injury and Neuropsychological Measures	79
<b>8</b>	<b>Discussion</b>	<b>80</b>
	<i>Part One: The Screening Questionnaire</i>	80
	Incidence of Head injury	80
	Multiple Head Injury	80
	Reclassification	81
	Gender Issues	81
	Etiology	82
	Severity of Injuries	83
	Level of Awareness	83
	<i>Part Two: Neuropsychological Measures</i>	84
	Rey-Osterrieth Complex Figure (CFT)	84
	Digit Symbol	85
	Auditory Verbal Learning Test (AVLT)	85
	Children Paced Auditory Serial Addition Task (CHIPASAT)	86
	Child Behaviour Check List and Teacher Report Form	87
	Severity of Injuries	87
	Recommendations for Future Research	87
	Summary and Conclusions	89
	<b>References</b>	<b>91</b>
	<b>Appendices</b>	<b>107</b>

## List of Tables

<b>Table</b>	<b>Page</b>
1	Reported Risk/Prevalence of Multiple Head Injury <span style="float: right;">6</span>
2	Classification of Severity of Head Injury using Various Techniques <span style="float: right;">11</span>
3	Criteria for Reclassifying Subjects Experience with Head Injury <span style="float: right;">12</span>
4	Grading Scales for the Severity of Concussion <span style="float: right;">18</span>
5	Return to Play Guidelines after Concussion <span style="float: right;">20</span>
6	Adverse Academic Outcomes following MHI in Children <span style="float: right;">31</span>
7	Demographic Characteristics of the Participants who Completed the Screening Questionnaire <span style="float: right;">54</span>
8	Demographic Characteristic of the Participants who Completed the Neuropsychological Measures <span style="float: right;">58</span>
9	Number and Percentage of the Severity of the 112 Head Injuries Sustained <span style="float: right;">65</span>
10	Number and Percentage of the Head Injuries sustained by the 71 Participants <span style="float: right;">65</span>
11	Number and Severity of Head Injuries Sustained by the 71 Participants <span style="float: right;">66</span>
12	Criteria for Reclassifying Subjects Experience with Head Injury <span style="float: right;">67</span>
13	Number and Percentage of Light, Mild, Moderate and Severe Head Injuries Sustained by 71 Participants, Before and After Reclassification <span style="float: right;">67</span>
14	Number and Percentage of Males and Females in each Severity Group after Reclassification <span style="float: right;">68</span>
15	Problems Suggested by Each Group to be Associated with Head Injuries <span style="float: right;">73</span>
16	Number and Percentage of Male and Female Participants in Each Group <span style="float: right;">74</span>
17	Results on the Neuropsychological Measures Compared to Norms <span style="float: right;">75</span>
18	Comparison of Head Injury and Control Groups on the Neuropsychological Measures <span style="float: right;">77</span>



## List of Figures

<b>Figure</b>		<b>Page</b>
1	Source of Head Injury	69
2	Percentage of Participants with and Without Head Injury in Each of the Awareness Level Groups	71
3	Percentage in Each Group who responded 'Don't Know' to each of the Symptoms	72
4	Mean Performance of the Head Injury and Control Groups on the AVLT compared to Norms from Forrester and Geffen (1991)	78

## List of Appendices

Appendix	Page
I      Information Sheet for Students (Part One of the Study)	107
II     Information Sheet for Students (Part two of the Study)	108
III    Information Sheet for Parents (Part One of the Study)	109
IV    Information Sheet for Parents (Part Two of the Study)	110
V     Information Sheet for Teachers (Part Two of the Study)	111
VI    Student Consent Form (Part Two of the Study)	112
VII   Parent/Teacher Consent Form (Part Two of the Study)	113
VIII  Parental Permission Form (Part One of Study)	114
IX    Screening Questionnaire	115
X     Rey-Osterrieth Complex Figure Test and Instructions	118
XI    Digit Symbol Worksheet and Instructions	120
XII   Rey Auditory Verbal Learning Test	122
XIII  Children's Paced Auditory Serial Addition Task	125
XIV   Child Behaviour Check List	129
XV    Teacher Report Form	133
XVII  Number of Head Injuries Sustained by Participants through Specific Sporting and Recreational Activities	137
XVIII Characteristics of the Head Injury Group for Part Two of the Study	
(a) Number and Severity of Head Injuries Sustained by Head Injury Group	138
(b) Number and Percentage of Participants in each Severity Group Before and After Reclassification	139