UNIVERSITI TEKNOLOGI MARA

COMPARISON BETWEEN DICHOPTIC TRAINING AND PATCHING THERAPY IN AMBLYOPIA TREATMENT

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AUTHOR'S DECLARATION

I hereby declare that the works in this project was my own except for the quotations and summaries which have been acknowledge. The project had not been accepted for any degree and was concurrently submitted for any award of other degree.

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ABSTRACT

The current approach to the treatment of amblyopia was problematic for a number of reasons. First, there was some issues of compliance to the conventional treatment of amblyopia in which the patching therapy. Current studies had introduced dichoptic training which was a binocular approach that was showing promise in initial clinical studies. However, the effectiveness of the dichoptic training was still being questioned. Thus, the purpose of this study was to identify the comparison between dichoptic training and patching therapy in amblyopia treatment finally to propose a more effective treatment in treating amblyopia patient. This study was done by using the systematic review methods in which the comparison of duration of intervention, technique, training regimen, compliance to treatment, prognosis beyond critical period and improvement in visual functions between the dichoptic training and patching therapy were reviewed from the selected journals and then were tabulated. The results proposed that dichoptic training was a better treatment for amblyopia than patching therapy either in children or adult amblyopia. Although advancements have been made, further research was still required to help those treating amblyopia particularly in regards to improvement and maintaining compliance to treatment, binocular treatment and prognosis of patching therapy beyond the critical period.

Keywords: dichoptic training, binocular, patching therapy, compliance

TABLE OF CONTENT

TITL	E		PAGE	
AUTH	IOR'S DE	CLARATION	iii	
SUPERVISOR'S SIGNATURE				
ACKNOWLEDGEMENT				
TABL	E OF CO	NTENT	vi	
LIST	OF TABL	ES	viii	
LIST OF FIGURES				
ABST	RACT		X	
СНА	PTER 1	INTRODUCTION	1	
1.1	BACKO	GROUND	1	
1.2	PROBL	PROBLEM STATEMENT		
1.3	OBJEC'	OBJECTIVES OF THE STUDY		
1.4	SIGNIF	TICANCE OF THE STUDY	3	
СНАІ	PTER 2	LITERATURE REVIEW	4	
2.1	DICHO	PTIC TRAINING IN AMBLYOPIA TREATMENT	4	
2.2	PATCH	ING THERAPY IN AMBLYOPIA TREATMENT	8	
CHAI	PTER 3	METHODOLOGY	11	
3.1	INCLU	SION AND EXCLUSION CRITERIA	11	
3.2	SEARC	TH METHODS	11	
3.3	DATA 1	EXTRACTION AND ANALYSIS	12	
СНАІ	PTER 4	RESULTS	13	
4.1	FLOW	OF STUDIES THROUGH THE REVIEW	13	
4.3	COMPA	IPARISON BETWEEN DICHOPTIC TRAINING AND PATCHING		
	THERA	APY	14	

CHAP	PTER 5 DISCUSSION	32
5.1	DURATION OF INTERVENTION	32
5.2	TECHNIQUE	33
5.3	COMPLIANCE TO THERAPY	33
5.4	PROGNOSIS BEYOND CRITICAL PERIOD	34
5.5	IMPROVEMENTS IN VISUAL FUNCTION	34
5.6	TRAINING REGIMEN	35
СНАР	36	
REFERENCES		
APPE	NDIX	
APPENDIX A		