

CONTENTS

	Page
CHAPTER I (INTRODUCTION & AIM OF THE WORK)	1
1.1.Introduction	1
1.2.Aim of the work	4
CHAPTER II (<i>Review of Literature</i>)	5
2.1. Male & Female gonads	5
2.2. Liver, renal and lung tissue	7
2.3. Congenital heart defects (CHD)	13
2.4. Metabolism	14
2.5. Carcinogenicity	15
CHAPTER III (<i>Materials & Methods</i>)	20
3.1. Trichloroethylene – treatment	20
3.2. Experimental animals	20
3.3. Teratological examinations	21
3.4. Biostatistics	23
CHAPTER IV (<i>Results</i>)	26
4.1. Effects of trichloroethylene on mice and their foetuses	26
4.1.1. Percentage of survival	26
4.1.2. Percentage of mating	26
4.1.3. Body weight change	30
4.1.4. Percentage of abortion	33
4.1.5. Foetal mortality	33
4.1.6. External morphological studies	33
4.1.7. Gross morphology	48
4.2. Osteological studies of the foetuses at 20 th	41
4.2.1. The skull	41
4.2.2. Girdles and limbs	41
4.3. Histological studies	55
4.3.1. The ovary	55
4.3.2. The uterus	62
4.3.3. The testis	67
4.3.4. The liver of foetuses	72

4.3.5. The kidney of foetuses	79
4.3.6. The heart of foetuses	87
4.3.7. The lung of foetuses	92
CHAPTER V (<i>Discussion</i>)	97
CHAPTER VI (<i>English summary</i>)	116
CHAPTER VII (<i>References</i>)	119
CHAPTER VIII (<i>Arabic summary</i>)	1