Copyright is owned by the Author of the thesis. Permission is given for a copy to be downloaded by an individual for the purpose of research and private study only. The thesis may not be reproduced elsewhere without the permission of the Author.

# Vulnerable Parent, Vulnerable Child: Parenting of a Subsequent Child following the Loss of an Infant to Sudden Infant Death Syndrome.

A thesis presented in partial fulfilment of the requirements for the degree of

Doctor of Philosophy in

Human Development

at Massey University,
Palmerston North,
New Zealand.

Barbara Lois Maclean

2003





# Department of Health & Human Development

- Physical Education
- Guidance & Counselling
- · Health Education
- Human Development

Private Bag 11 222, Palmerston North, New Zealand

Telephone: 64 6 356 9099 Facsimile: 64 6 351 3353

Candidate's Name:

Barbara Maclean

**PhD Topic:** 

"Loss of an infant to Sudden Death Syndrome and

parenting of a subsequent child"

This is to confirm that the candidate has pursued the Doctoral course in accordance with The University's Doctoral regulations.

Professor Gary Hermansson

Supervisor 30 April 2003





### Department of Health & Human Development

- · Physical Education
- · Guidance & Counselling
- •• Health Education
- Human Development

Private Bag 11 222, Palmerston North,

New Zealand Telephone: 64 6 356 9099

Telephone: 64 6 356 9099 Facsimile: 64 6 351 3353

Candidate's Name:

Barbara Maclean

PhD Topic:

"Loss of an infant to Sudden Death Syndrome and

parenting of a subsequent child"

### This is to verify the following:

- (i) Reference to work other than my own has been appropriately acknowledged.
- (ii) Research practice and ethical policies have been complied with.
- (iii) The thesis does not exceed 100,000 words (excluding appendices).

**PhD Candidate:** 

Supervisor:

Date: 3-/4/0





### Department of Health & **Human Development**

- · Physical Education
- .. Guidance & Counselling
- · Health Education
- · Human Development

Private Bag 11 222, Palmerston North, New Zealand

Facsimile: 64 6 351 3353

Telephone: 64 6 356 9099

Candidate's Name:

Barbara Maclean

**PhD Topic:** 

"Loss of an infant to Sudden Death Syndrome and

parenting of a subsequent child"

This thesis represents my own work, with the only assistance being that which is normally provided by academic supervisors. The thesis material has not been used for any other degree or diploma.

**PhD Candidate:** 

Bhaclean

Supervisor:

30/4/03

Name: (in full): Barbara Lois Maclean

Address:

Department of Health & Human Development

College of Education Massey University

Hokowhitu

**Palmerston North** 

I request that I be examined for the degree of Doctor of Philosophy in the following field(s): Human Development

**Doctoral Candidate signed:** 

Bhraclean

Supervisor: I approve that the thesis is ready for examination.

Supervisor signed:

Date: 30/4/03

### Abstract

The aim of the present study was to investigate evidence of replacement child and vulnerable child pathology in the caregiving relationship between caregivers who had lost a previous infant to SIDS, and their subsequent children, who were now 2-3 years of age. To assess the possible traumatic disruption to the parent-child caregiving system arising from unresolved parental grieving, 20 mothers of 2-3-year-old subsequent children participated in an attachment-based clinical interview, the Working Model of the Child Interview (WMCI). Verbatim transcripts of the interviews were examined for content themes showing mothers' replacement feelings toward the subsequent child. The interview was then rated on a formal scoring system for the WMCI and the parents' representations of the child were classified into one of three categories: balanced, disengaged, or distorted. In addition, a modified version of the Reaction to Diagnosis Classification System (RTDSC) was used to classify the interview transcripts as Resolved or Unresolved with respect to the trauma to the caregiving system arising from the loss.

To look for specific evidence of the Vulnerable Child Syndrome, the 20 mothers and a control group of 100 non-bereaved mothers of children of a similar age also completed three questionnaires: (a) the Vulnerable Child Scale (VCS) to assess parental perceptions of the child's vulnerability, (b) the Parent Protection Scale (PPS) to assess parental protective behaviours, and (c) the Achenbach Child Behaviour Checklist for ages 2-3 years (CBCL/2-3) to assess behaviour and personality problems in the child.

Results of the questionnaires showed that in comparison to the control group, mothers of subsequent children perceived their children as significantly more vulnerable and reported higher levels of protective behaviours. Subsequent children, in turn, experienced significantly higher levels of sleep problems and destructive externalising behaviours. Interview data showed that 70% of mothers were Unresolved with respect to the loss regardless of the time since the death, but the children were not regarded as replacements for the dead siblings. Only 25% of interviews were categorised as balanced and the majority were characterised by ongoing fears for the child's safety, and a significant level of emotional distancing from the child.

Acknowledgements

I wish to express my gratitude to the many people who have contributed substantially to

this thesis. First and foremost, my very special thanks go to the mothers who participated

in the study and shared a very personal part of their lives with me. Their deeply moving

stories told of the anguish they felt at the sudden death of a precious baby to SIDS, in some

cases many years before, and of the joys and anxieties experienced as they ventured into

parenthood anew and nurtured a subsequent child through infancy and toddlerhood.

I would also like to thank my supervisors, Professor Gary Hermansson and Professor Joy

Cullen for their assistance and unfailing encouragement and support, and to gratefully

acknowledge the input of Professor Julie Boddy and Associate Professor Cheryl Benn in

the formative stages of the research.

Special thanks too, to Sue Watson, who co-coded the interview transcripts for this study,

generously sharing her insights based on her training as a certified coder for the Attachment

Attachment Interview.

Last, but not least, I am grateful for the tremendous care and support throughout from my

family and friends.

Barbara Maclean

iii

## CONTENTS

ii
iii
1
7
7
7
7
9
11
15
17
17
20
22
22
24
25
26
26
27
27

Attac	chment Theory	28
	Goal-directed systems	29
	Mourning responses to prolonged separation	32
	The endpoint of mourning	34
	The "Continuing Bonds" debate	35
	Pathological mourning	38
	The Strange Situation Procedure	39
	The Adult Attachment Interview	43
	Coding Unresolved Mourning	44
	Disturbances to the caregiving system	45
CHAPTER	TWO	
Literature Ro		47
	actions to the Death of an Infant to SIDS	47
	Recognition of the Impact of SIDS Deaths	47
Support by N	Mental Health Clinicians	47
Clinical Lite		48
Emergence of	of Research Studies into the Psychosocial Aspects of SIDS	51
Major studie	s into SIDS	51
	The Nebraskan studies	51
	The Sydney SIDS study	53
	The Norwegian studies	54
	The Chicago SIDS study	54
	The Wortman and Silver studies	55
	The Queensland study	57
Recurrent Th	nemes	59
The Special 1	Nature of SIDS Deaths	60
	Age of the Infant	60
	SIDS losses versus child with congenital disability	62
Typical Acco	ount of SIDS Death	62
Immediate R	eaction to the Loss	63

Loss of the Moth	nering Role	68
Guilt Reactions		69
C	ultural role guilt	69
D	eath causation guilt	70
Si	urvivor guilt	72
R	ecovery guilt	72
M	Ioral guilt	73
Effects of SIDS	on the Family System	74
Effects of SIDS	on the Marital Relationship	74
Fathers' Grievin	g Reactions	77
Gender Differen	ces in Grieving Reactions	79
Effects of SIDS	Loss on Older Surviving Children	80
P	arental reactions	80
R	eactions of the children	83
Longer-term Course of Bereavement		87
R	elational aspects of the loss	87
R	eturn to pre-loss family functioning	88
Ir	dicators of distress over time	88
M	leasurement of resolution	91
CHAPTER TH	REE	
Literature Revie	w Part 3	92
The Subsequent	Child	92
Replacement Ch	ild Syndrome	93
Vulnerable Child	Syndrome	95
Implications for	Subsequent Pregnancies	100
Decision to have	a Subsequent Child	100
Replacement Dy	namics	101
Fe	ertility patterns	101
R	eadiness for another child	102
D	ifferentiation of dead child and subsequent child	103

Impact of the Subsequent Pregnancy on the Course of Mourning		105
	Adverse outcomes	106
	Neutral effects	106
	Beneficial effects	107
Attachment D	Disturbances	108
Parental Anxi	ety with the Parenting of a Subsequent Child	110
Anxiety Follo	wing Perinatal Losses	111
	Qualitative accounts	111
	Controlled studies	112
Anxiety after	SIDS Deaths	113
	Loss of confidence in parenting skills	113
	State versus trait anxiety	114
	Apnoea monitoring	115
	Overprotective parenting behaviours	116
Summary		117
CHAPTER F	FOUR	
Methodology		121
Objective		121
Participants		123
Demographic	Details of Participants	123
Access to Part	ticipants	124
Ethical Issues		125
Instruments		128
Working Mod	el of the Child Interview	128
The Reaction	to Diagnosis Interview	131
Standardised (	Questionnaires	134
	Vulnerable Child Scale (VCS)	135
	Parent Protection Scale (PPS)	136
	Achenbach Child Behavior Check List for 2-3-year-old children	139

Data Analysis	140
Interview Data	140
Statistical Analyses	141
CHAPTER FIVE	1.10
Results and Discussion	143
Questionnaire Data	144
Crosstabs Analyses	144
Correlational Analyses	144
Correlates of parental perceptions of vulnerability	144
Correlates of parental protection of the child	145
Age of the child	146
Time since the SIDS death	146
Correlates of parental reports of behaviour problems in the child	146
Measurement of the Vulnerable Child Syndrome	146
Descriptive Statistics	150
Between-group differences	151
Interview Data	152
WMCI Major Categories	153
RTDCS Major Categories	153
Grief Resolution as Measured by the RTDCS	154
Content Themes	156
Initial reactions	156
Suicidal ideation	157
Marital relationship	158
Change in the parenting role	158
Characteristics of Resolved Interviews	161
Unresolved Cases in the SIDS Group	164
Emotionally overwhelmed (preoccupied/suppressed or neutralising)	164
Emotionally overwhelmed (feelings-oriented/preoccupied)	168

Replacement Themes	
Idealisation of the dead baby.	171
The decision to have another child.	172
Sex of the subsequent child	173
Names of the subsequent child	176
Idealisation of the subsequent child	176
Identity as a subsequent child	177
Disturbance to the Caregiving System	178
Coding the fear for safety scale	178
Muting of resonsiveness to the child.	179
Fear for safety: Denial of risk	182
Fear for safety: Hypervigilance and overprotection	184
Apnoea monitoring	185
Functional nature of the early relationship	188
Ongoing perceptions of vulnerability	190
Inability to project to the future	191
Age two-three transition	192
Infant difficulty	193
Summary	195
CHAPTER SIX	
Conclusion	196
Replacement Child Pathology	196
Vulnerable Child Syndrome	197
Assessment of Grief Resolution	199
Disturbance to the Caregiving System	202
Implications of the Findings	203
Suggestions for Eurther Research	204

Appendices		
Appendix A Information sheet for SIDS parents		206
Appendix B Consent form for SIDS parents		208
Appendix C Information sheet for control group		209
Appendix D Correlational Data		211
References		219
List of Tables		
Table 1. Mean VCS scores in US samples		135
Table 2. Items from the Vulnerable Child Scale		136
Table 3. Normative PPS data for US children aged 2-3 years		137
Table 4. Items from the Parent Protection Scale		138
Table 5. Variables		142
Table 6. Descriptive Statistics		150
List of Figures	4	3.5
Figure 1. SIDS group: Resolved/Unresolved Status by WMCI category		152