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Expanding Frontiers *of* Neonatology

Edited by

Elvidina Nabuco **Adamson-Macedo**

The time is consequently opportune for psychology to make an effective contribution to both the theory and care of the preterm neonate, viewed as a unique, emergent, coactional and hierarchical human being . . . The formal framework for this is Neonatal Health Psychology (NNHP), which is defined as 'the scientific study of biopsychosocial and behavioural processes in health, illness, and health care of the preterm (and fullterm) neonate during his/her first 28 days of life, and the relationship of such processes with later outcome.'



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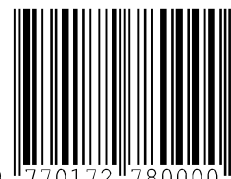


As Neonatology has developed during the past decade, two of its features have assumed paramount importance. Firstly it is evident that Neonatology has rapidly acquired multidisciplinary connotations and secondly, progress has shown the importance of bringing together the knowledge and experiences of the medical profession, health professionals and psychologists, and mothers to improve the quality of physical and psychological care of the newborn; this is particularly true for hospitalised preterm neonates. The aim of this Special Issue of the Neuroendocrinology Letters is to present diverse experiences and related viewpoints involved in caring for both the newborn and their parents, within the multidisciplinary context of Neonatology.

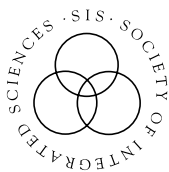
... Delivering care for the newborn, and particularly the preterm Neonate, is manifestly a matter of multidisciplinary skills and procedures, although hitherto this has not been appreciated as an entity; precise definition has not been forthcoming and, moreover, there has been a tendency to place greater emphasis on theory than on practice. Within the envelope of Neonatology, this 'Special Issue' is devoted to a record of the knowledge, contributions and experiences of an active group of Paediatricians, Nurses, Psychologists, Epidemiologists, Physiologists and Mothers themselves, the aim being to increase awareness of the many facets of care for the Neonate and in consequence, the boundaries of Neonatology as a discipline. The variety of these papers illustrates well the scope of Neonatology.



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Foreword

Expanding Frontiers of Neonatology

As Neonatology has developed during the past decade, two of its features have assumed paramount importance. Firstly it is evident that Neonatology has rapidly acquired multidisciplinary connotations and secondly, progress has shown the importance of bringing together the knowledge and experiences of the medical profession, health professionals and psychologists, and mothers to improve the quality of physical and psychological care of the newborn; this is particularly true for hospitalised preterm neonates. The aim of this Special Issue of the Neuroendocrinology Letters is to present diverse experiences and related viewpoints involved in caring for both the newborn and their parents, within the multidisciplinary context of Neonatology.

Table of Contents

| | |
|--|----|
| FOREWORD | 3 |
| PREFACE | 7 |
| by Elvidina Nabuco Adamson-Macedo | |
| 1. Neonatal Health Psychology [NNHP]: Theories and practice..... | 9 |
| Elvidina Nabuco Adamson-Macedo | |
| 2. Detection and Prevention of Premature Labour | 35 |
| Ray J. Carson | |
| 3. The Epidemiology of Preterm Birth..... | 43 |
| Elizabeth Bibby & Antony Stewart | |
| 4. Pain and Compassion in the Neonatal Unit – A Neonatologist’s View..... | 49 |
| Elaine M Boyle & Neil McIntosh | |
| 5. Preterm Neonatal Neurological Examination | 57 |
| Janet C. Constantinou | |
| 6. TAC-TIC Therapy With Premature Infants: A Series of Investigative Studies..... | 67 |
| Áine de Róiste | |
| 7. Continuing Psychological Care..... | 79 |
| Christina Del Priore | |
| 8. Family Centred Care for the neonate – the view from Wolverhampton..... | 87 |
| Clare Price | |
| 9. Perceived Parenting Self-Efficacy (PMP S-E) of mothers who are breastfeeding hospitalised preterm neonates | 95 |
| Christopher R. Barnes & Elvidina N. Adamson-Macedo | |

| | |
|--|-----|
| 10. A Role for Counselling Psychologists within the Neonatal Intensive Care Unit..... | 103 |
| Maria Thompson | |
| 11. The Mother-baby Relationship In the event of Extreme Prematurity: Intervention Possibilities within a Multidisciplinary Team..... | 111 |
| Ana Lucia Henriques Gomes | |
| 12. Prematurity and Adult Minor Illness | 117 |
| Denise A. Bellingham-Young & Elvidina N. Adamson-Macedo | |
| 13. Life after the NNU: The long term effects on mothers' lives, managing a child at home with bronchopulmonary dysplasia and on home oxygen | 127 |
| Sarah V. Manns | |
| 14. Born Too Soon..... | 133 |
| Charlotte Leung | |
| 15. Reflections on Neonatal Intensive Care Unit..... | 137 |
| Tina Mills T. Eldridge | |
| 16. The impact of different types of bath in the behaviour and physiology of 'rooming in' newborn babies..... | 141 |
| Laurista Corrêa Filho, Ana Maria de Castilho Paula, Dulce Amalia Araujo de Carvalho, Maria Paulina de Oliveira Azevedo & Leonora de A. Pinto Teixeira | |
| 17. Grasping and Fingering (active or haptic touch) in healthy newborns..... | 157 |
| Elvidina Nabuco Adamson-Macedo & Christopher R. Barnes | |
| 18. Maternal-fetal attachment: searching for a new definition | 169 |
| Sandra P. Sandbrook & Elvidina N. Adamson-Macedo | |
| APPENDIX / Author index | 183 |
| APPENDIX / Key word index | 184 |

Preface

by Elvidina Nabuco Adamson-Macedo

Delivering care for the newborn, and particularly the preterm Neonate, is manifestly a matter of multidisciplinary skills and procedures, although hitherto this has not been appreciated as an entity; precise definition has not been forthcoming and, moreover, there has been a tendency to place greater emphasis on theory than on practice. Within the envelope of Neonatology, this 'Special Issue' is devoted to a record of the knowledge, contributions and experiences of an active group of Paediatricians, Nurses, Psychologists, Epidemiologists, Physiologists and Mothers themselves, the aim being to increase awareness of the many facets of care for the Neonate and in consequence, the boundaries of Neonatology as a discipline. The variety of these articles illustrates well the scope of Neonatology.

Neonatal Health Psychology is an emergent sub-discipline within Health Psychology and was defined in 2000. Presently, a particular but not exclusive focus of attention is with the physical and psychological needs of hospitalised preterm Neonates, including the mental health/well-being of their parents; this work is presented here in 3 articles by Adamson-Macedo, Constantinou, and Barnes & Adamson-Macedo.

Throughout the world there is a marked increase in the incidence of babies born-too-soon, with the poorer regions tending to produce the worst cases. Bibby and Stewart write about the epidemiology of prematurity, with particular emphasis on the situation in the West Midlands region of the UK. Causes of prematurity are various, and Carson's article reflects upon detection and prevention of premature labour. Preterm babies are usually under distress and pain, and this Special Issue has a article by Boyle and McIntosh which discusses pain and compassion.

Mothers and caregivers remember vividly their experiences in Neonatal Units, and this is confirmed by three poignant examples recorded separately by Leung, Manns and Mills. Care given by specialist Neonatologists [paediatricians, nurses and psychologists] are separately recorded by Price, who recommends the need for a family centred approach. De Roiste demonstrates the beneficial effects of a sensory nurturing programme known as TAC-TIC (Touching And Caressing – Tender In Caring), a twenty-year old technique which requires the acquisition of a skill but has the advantage of not needing capital investment. Whilst Gomes reports a case study which concerns Sao Paulo, Thompson reflects upon the role

of counselling psychologists within a Neonatal unit. Del Priore, with Glasgow (Scotland) experience, discusses the need for attention to be paid to a policy of continuing psychological care after hospital discharge.

Those researchers and clinicians have recently been highlighting the possible links between early factors and later outcome. In this connection, Sandbrook and Adamson-Macedo report on their search for a new definition of ante-natal attachment. Bellingham-Young and Adamson-Macedo reflect upon the issue of prematurity relayed to adult minor illness.

Although this Special Issue is mainly dedicated to the baby born-too-soon and relationship to parents and caregivers, the promotion of physical and psychological health and well-being for the fullterm baby is also part of Health Psychology; thus two articles are included. One is by the paediatrician/neonatologist Correa and his associates and concerns the quality of routine care (bathing) of the newborn whilst in hospital; this team measured the emotions (physiological and behavioural measurements) of babies during two varieties of bathing, and consequently led to suggested changes in their hospital procedure. Adamson-Macedo and Barnes report on pioneer work which they have conducted on early cognitive abilities of healthy fullterm babies during the first 3 months of postnatal life.

All authors are thanked for their valuable contributions, which amply illustrate the eclectic character of Neonatology. My hope is that this is the beginning of a series of publications which actively encourage the development of integrated theories and practice of Neonatology for the promotion of both physical and psychological health and wellbeing of the newborn and their parents/caregivers.

APPENDIX / Author index

- Adamson-Maced, Elvidina N.* 7, 9, 95, 117,
155, 167
Araujo de Carvalho, Dulce Amalia 141
Barnes, Christopher R. 95, 155
Bellingham-Young, Denise A. 117
Bibby, Elizabeth 43
Boyle, Elaine M 49
Carson, Ray J. 35
Constantinou, Janet C. 57
Corrêa Filho, Laurista 141
de Castilho Paula, Ana Maria 141
de Oliveira Azevedo, Maria Paulina 141
de Róiste, Áine 67
Del Priore, Christina 79
Eldridge, Tina Mills T. 137
Henriques Gomes, Ana Lucia 111
Leung, Charlotte 133
Manns, Sarah V. 127
McIntosh, Neil 49
Pinto Teixeira, Leonora de A. 141
Price, Clare 87
Sandbrook, Sandra P. 167
Stewart, Antony 43
Thompson, Maria 103

APPENDIX / Key word index

- acute distress 79
ante-natal attachment 169
auto-regulation 141
- birthweight 117
born too soon 133
BPD 127
breastfeeding 95
- cervix 35
child development 57, 67
closeness 169
compassion 49
consciousness level and stress 141
counselling psychology 103
- detection 35
- early intervention 57, 67
empowerment 87
epidemiology 43
- family centred care 87
- infant development 79
intensive neonatal care 79
interaction 141
intervention 79, 111
- labour 43
- memories 133, 137
minor illness 117
morbidity 43
mortality 43
mothers' health 127
multidisciplinary team 111
- 'Neo-haptic' touch 157
neonatal care 87
neonatal intensive care 137
neonatal units 103
neurological examination 9
newborn 141
not belonging 133
- 'proto-palm' grasp 157
'proto' fingering 157
pain 49
parenting 95
parent choice 87
premature infants 79
premature labour 35
prematurity 43, 57, 67, 127
preterm 43, 95, 117
preterm infants 9, 111
preterm neonate 49, 87
prevention 35
protection 169
provision of services 103
psychological outcomes 117
- risk 43
- self-care model 87
self-efficacy 95
separation 133
subsystems 141
- TAC-TIC therapy 67
tribulations 137
- uterus 35