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Developmental care and very preterm infants : neonatal, neurological, growth and developmental outcomes

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List of Abbreviations

ADHD	attention deficit hyperactivity disorder
BPD	bronchopulmonary dysplasia
BSID-II	Bayley Scales of Infant Development II
C	control
CA	corrected age
CPAP	continuous positive airway pressure
CRIB	Clinical Risk Index for Babies
CSF	cerebrospinal fluid
DA	definitely abnormal
DC	developmental care
E	experimental group
GA	gestational age
GC	Global Confidence
HELLP	hemolysis, elevated liver enzymes, and low platelet count
HFO	high frequency oscillation
IVH	intraventricular hemorrhage
LCC	Lack of Confidence in Caregiving
LOS	Length of stay
MA	mildly abnormal
MABS	Mother and Baby scale
MDI	mental developmental index
N	normal
NEC	necrotizing enterocolitis
NICU	Neonatal Intensive Care Unit
NIDCAP	Newborn Individualized Developmental Care and Assessment Program
OFC	occipital-frontal circumference
P	percentile
PCA	postconceptional age
PDA	patent ductus arteriosus
PDI	psychomotor developmental index
PROM	premature rupture of membrane
PVL	periventricular leukomalacia
RCT	randomized controlled trial
RDS	respiratory distress syndrome
ROP	retinopathy of prematurity
SDS	standard deviation scores
SGA	small for gestational age
SIMV	synchronized intermittent mandatory ventilation
VLBW	very low birth weight

Curriculum Vitae

Celeste M. Maguire was born on October 16, 1953 in Wilmington, Delaware, USA. She received her registered nursing degree in 1978 from the West Penn School of Nursing in Pennsylvania, and worked in intensive care at the University of New Mexico Hospital in Albuquerque, New Mexico, bone marrow transplant at the Leiden University Medical Center and later as a neonatology nurse at the Presbyterian Hospital NICU in Albuquerque, New Mexico. She returned to the Netherlands and began her study in psychology at Leiden University in 1992. After obtaining her Masters Degree in Clinical and Health Psychology and in Developmental Psychology in 1999, she worked at the Division of Neonatology of the Willem-Alexander Department of Pediatrics of the Leiden University Medical Center in Leiden and the Juliana Children's Hospital in The Hague as a developmental psychologist and infant developmental specialist. Her responsibility was to design, execute, analyze and report in a PhD thesis a randomized controlled clinical trial on the effects of developmental care and to implement a developmental care program in the NICU's. In addition she completed a 2 year postmasters training in zero-to three infant mental health in 2005. She became a NIDCAP (Newborn Individualized Developmental Care and Assessment Program) trainer and provides training in premature infant behavior for nurses, medical personnel and psychologists.

