

N, Engelbrecht V et al. Cystic leukoencephalopathy without megalencephaly: a distinct disease entity in 15 children. **Neurology** April (2 of 2) 2005;64:1411-1416). (Reprints: Dr Jutta Gartner, Department of Pediatrics and Pediatric Neurology, Georg August University, Faculty of Medicine, Robert-Koch-Strasse 40, 37075 Gottingen, Germany).

COMMENT. The authors distinguish this autosomal recessive disease from a previously described cystic leukoencephalopathy with megalencephaly (MLC), caused by a mutation of MLC1 gene. (Van der Knapp et al, 1995; **Progress in Pediatric Neurology III**, 1997;p557). In MLC, the MRI showed supratentorial white matter swelling and subcortical cysts, which contrasted with a mild clinical course.

CEREBRAL PALSY AND NEONATAL ENCEPHALOPATHY

The type and severity of cerebral palsy (CP) and pattern of associated disability in children with or without preceding neonatal encephalopathy (NE) were compared in a population-based case-control study of patients followed for 6 years at the Children's Hospital, Westmead, Sydney, Australia. Of 276 infants with NE, 25 (9.1%) died in the neonatal period, and of the 251 neonatal NE survivors, 32 (13%) developed CP by 5 years of age. Of term infants with CP, 24% followed NE. CP following NE was more likely in males, more severe, spastic quadriplegic in type, and more commonly complicated by cognitive and speech impairment, epilepsy, severe disability, and death by 6 years. (Badawi N, Felix JF, Kurinczuk JJ et al. Cerebral palsy following newborn encephalopathy: a population-based study. **Dev Med Child Neurol** May 2005;47:293-298). (Respond: Nadia Badawi PhD FRACP, Department of Neonatology, Children's Hospital at Westmead, Locked Bag 4001, Westmead, NSW 2145, Australia).

COMMENT. Term infants with CP and NE have a poorer prognosis compared to those without NE. One out of every five will die in the first 5 years of life. In a commentary by Dr Karin B Nelson, National Institutes of Health, USA (**Dev Med Child Neurol** 2005;47:292), the importance of causal factors in NE was stressed, a subject addressed by the authors in a previous study (Badawi N et al. **BMJ** 1998;317:1549-1553 and 1554-1558).

SPASTIC DIPLEGIC AND TETRAPLEGIC CEREBRAL PALSY COMPARED

Risk factors of cerebral palsy (CP), seizures, CP severity, EEG, and MRI findings were compared in 38 children with spastic diplegic (DCP) and 48 with spastic tetraplegic (TCP), in a report from Medical University of Bialystok, Poland. The Apgar score was lower in TCP cases than DCP, the gross motor function was more limited, mental retardation more frequent, cerebral atrophy on MRI more frequent (31% cf 5%), epilepsy more common (50% cf 16%) and more often intractable. Periventricular leukomalacia on MRI was more frequent in DCP (76%) than in TCP (44%). Gestational history was not related to increased risk of DCP or TCP; the frequencies of cesarean section, low birth weight, and perinatal pathology were the same in both groups. (Kulak W, Sobaniec W, Smigielska-Kuzia J et al. **Pediatr Neurol** May 2005;32:311-317). (Respond: Dr Kulak, Department of Pediatric Neurology an