

EARNEST WORKSHOP "NEURODEVELOPMENTAL TESTING AT PRESCHOOL AGE"

UNIVERSITY MEDICAL CENTRE GRONINGEN, GRONINGEN, THE NETHERLANDS,
14-15TH JULY 2005

Organisation: Prof. Dr. Mijna Hadders-Algra

Purpose:

To introduce to medical doctors a relatively new neurological assessment technique for pre-school age, i.e. the neurological assessment according to Hempel. The Hempel-assessment is large based on standardized free play and pays substantial attention to the quality of spontaneous motor behaviour.

Workshop summary:

The workshop will introduce to medical doctors the Hempel neurological assessment for pre-school age. The workshop will start with an introduction on basic principles of early neurological development. Next, guidelines for the Hempel-assessment will be discussed. The second and major part of the workshop will be dedicated to demonstrations of children (live and on video). Each case will be amply discussed. Care is taken that participants accurately learn how to score findings.

Learner-based course objectives:

1. Knowledge on the Hempel assessment technique
2. Knowledge on significance of findings
3. Knowledge on systematic recording of findings

Obligatory reading (will be provided)

- Hempel MS. The neurological examination for toddler-age. PhD-Thesis, University of Groningen, 1993 (The Thesis is no longer in book form available; an electronic version of the text can however be obtained)
- Hadders-Algra M. The neuromotor examination of the preschool child and its prognostic significance. Submitted for publication. *Ment Retard Dev Disabil Res Rev* 2005; accepted for publication.
- Hadders-Algra M. Developmental Coordination Disorder: Is clumsy motor behaviour caused by a lesion of the brain at early age? *Neural Plast* 2003; 10: 39-50.
- Hempel MS. Neurological development during toddling age in normal children and children at risk of developmental disorders. *Early Hum Dev* 1993; 34:47-57.
- Huisman M, Koopman-Esseboom C, Lanting CI et al. Neurological condition in 18-months-old children perinatally exposed to polychlorinated biphenyls and dioxins. *Early Hum Dev* 1995; 43:165-176.
- Lanting CI, Patandin S, Fidler V et al. Neurological condition in 42-month-old children in relation to pre- and postnatal exposure to polychlorinated biphenyls and dioxins. *Early Hum Dev* 1998; 50:283-292.
- Lanting CI, Patandin S, Weisglas-Kuperus N et al. Breastfeeding and neurological outcome at 42 months. *Acta Paediatr* 1998; 87:1224-1229.

Programme

Thursday July 14th 2005

9.00 – 10.15 Introductory lecture

10.15 – 10.45 Coffee break

10.45 - 12.00 Demonstration child 1, aged 4 years – discussion of technique and findings

12.00 – 13.00 Lunch

13.00 - 15.00 Assessment of video-recorded Hempel assessments

15.30 – 16.00 Tea break

16.00 – 17.15 Assessment of video-recorded Hempel assessments

Friday July 15th 2005

8.30 – 9.45 Assessment of video-recorded Hempel assessments

9.45 - 10.00 Coffee break

10.00 - 11.15 Demonstration child 2, aged 4 years – discussion of technique and findings

11.15 – 11.30 Coffee break

11.30 – 12.45 Assessment of video-recorded Hempel assessments

12.45 – 13.30 Lunch

13.30 - 14.30 Assessment of video-recorded Hempel assessments

14.30 – 14.45 Tea break

14.45 – 15.30 Assessment of video-recorded Hempel assessments; fine-tuning of recording techniques; appointments about feedback in order to achieve reliable results.