When spasticity and dystonia coexist….CP cases and tools

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Description/classifications of movement disorder/motor impairment

Topography

[Diagram showing topography]

SCPE Classification Tree

[Classification tree for sub-types of Cerebral Palsy]

CP Description Form of the ASAS

Hypertonia Assessment Tool (HAT)

- A DISCRIMINATIVE tool to differentiate between different types of hypertonia (spasticity, dystonia and rigidity)
- Assesses each limb separately (4 scoring sheets)
- Standardised administration and scoring guidelines

(Jethwa et al. 2010)
AW 1

- D.O.B. 30.5.07
- Ex 35/40, IUGR
- Bilateral spastic CP
- Mixed pattern on MRI - white matter/grey matter injury
- GMFCS III
- MACS II
- CFCS I

AW 2
HAT: Mixed tone (spasticity and dystonia) identified as present in all four limbs. Nil rigidity observed.

BADS: Total of 8/32 indicating slight to mild dystonia, comprising of:
- Eyes = 0
- Mouth = 2
- Neck = 0
- Trunk = 0
- Upper extremities, R=1, L = 1
- Lower extremities, R=2, L = 2
MR 1

- D.O.B 14.2.07
- Bilateral spastic CP
- Ex-premature - 25 week gestation
- GMFCS III
- MACS III
- CFCS II
- MRI - Changes consistent with PVL

MR 2
MR 3

**HAT:** Dystonia only bilateral ULs and mixed dystonia/spasticity bilateral LLs (nil rigidity).

**BADS:** Total of 12/32 indicating mild dystonia, comprising of:
- Eyes = 1
- Mouth = 2
- Neck = 2
- Trunk = 1
- Upper extremities, R = 2, L = 2
- Lower extremities, R = 1, L = 1
MC 1

• D.O.B 24.1.04
• Unilateral spastic CP
• GMFCS II
• MACS 3 CFCS II
• MRI – grey matter injury pattern (R thalamic haemorrhage)

MC 2
MC 3

HAT: Dystonia only right UL and LL. Mixed dystonia/spasticity left UL and LL. Nil rigidity.

BADS: Total of 10/32 indicating mild dystonia, comprising of:
• Eyes = 0
• Mouth = 2
• Neck = 0
• Trunk = 0
• Upper extremities, R= 1, L = 3
• Lower extremities, R= 2, L = 2