Exclusion Criteria

- Known progressive abnormal brain condition
- Diagnosed with CP and care plan is established
- · Developmental regression

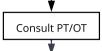
Risk Factors for CP

ANY of the following:

- Prematurity < 32 weeks estimated gestational age
- Hypoxic ischemic encephalopathy
- Birth weight < 1499 grams
- · Abnormal brain imaging
- Seizures requiring daily medication for control
- Intrauterine drug exposure
- Known or suspected traumatic or non-traumatic brain injury that occurred < 24 months of age
 - Refer to <u>Suspected Abusive Head Trauma</u> Clinical Pathway if concerned for abuse
- Motor delay:
 - Concern from PT or OT
 - Persistent hand fisting or head lag > 4 months
 - Delayed sitting without support > 9 months
 - Early handedness < 12 months
 - Any asymmetry in posture or movement

Patient currently admitted to the NICU has risk factors for cerebral palsy (CP)

Communicate risk of CP to caregivers as appropriate (see example of verbiage)



Neurology Consultation:

- If patient has risk factors in addition to prematurity or birth weight, consult Neurology
- If patient's risk factor is only prematurity and/or birth weight, consider consulting Neurology on a case-by-case basis
- If PT or OT is concerned
- When patient reaches **term**, if unclear whether additional neuroimaging is needed, consider Neurology consult



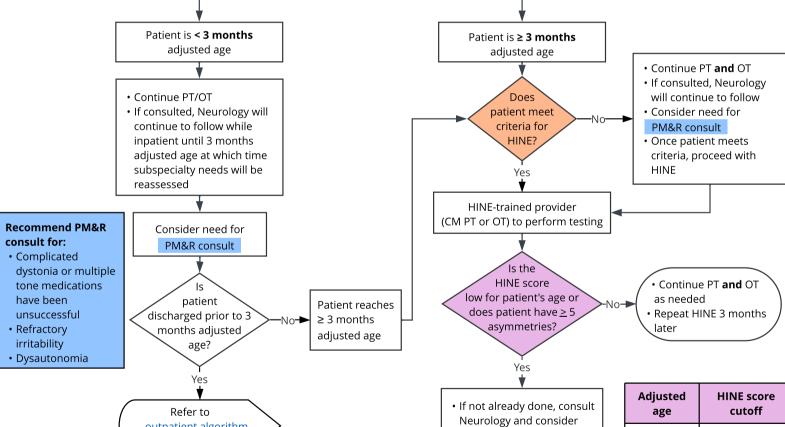
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HINE Exclusion Criteria

ANY of the following:

- Sedated, paralyzed, or otherwise unable to participate
- < 3 months or > 24 months adjusted age
- · Behavorial signs of respiratory instability (BSRI) < 3 (Hanin et al., 2009)
- Medically unstable
- Musculoskeletal abnormalities that may impact results (e.g., limb loss or congential contractures)

HINE may not be appropriate for patients with exclusion criteria above but does not exclude the risk of CP



Abbreviations:

NICU = Neonatal Intensive Care Unit PT = Physical therapy

OT = Occupational therapy PM&R = Physical Medicine &

Rehabilitation

HINF = Hammersmith Infant Neurological Examination

Refer to outpatient algorithm for discharge planning

Note: All patients with HINE score below cutoff for age will need PM&R outpatient follow-up, even if not consulted inpatient

3 months < 56 6 months < 59 9 months < 62 12 months < 65

*The HINE was only validated at specific ages. Use clinical judgement if patient is between ages listed above. (Romeo et al., 2007)

Contact: EvidenceBasedPractice @cmh.edu

outpatient algorithm

for discharge planning

Link to: synopsis and references

need for PM&R consult

Neurology to communicate

Continue PT and OT

CP concerns to family

Last Updated: 9.3.2025