Supplementary Online Content

Novak I, Morgan C, Adde L, et al. Early, ac

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ΤοοΙ	Citation	Type of Evidence	Numbe r Studie s	Numbe r Patient s	Populatio n	Age at Exam	Accuracy of Detecting Risk for Cerebral Palsy	QUADA S Quality
MOTOR DYS	FUNCTION [•]	TOOLS					· · ·	1
Norm- referenced gross motor assessment	Heinema n 2008	Systemati c review	2 AIMS	Unable to calculat e from review	Newborn high risk for CP & other diagnoses	3-18 month s	Cerebral Palsy Authors conclude moderate predictive validity but no values reported	14/14
	Spittle 2008	Systemati c review	2 AIMS	205	Preterm newborn high risk for CP	4, 6 & 8 month s	Cerebral Palsy No data available in review Abnormal Motor Sensitivity = 77-86% Specificity = 81-93%	14/14
GMs Quality of movement assessment	Bosanque t 2013	Systemati c review with meta- analysis	6 GMs	1358	Newborn high risk for CP	3-5 month s CA	Cerebral Palsy Sensitivity = 98% Specificity = 91% A trajectory of longitudinal assessments are more predictive GMs with MRI provided more accurate prognostic information than the individual tools	14/14
	Burger	Systemati	17 GMs	1820	Newborn	3-5	Cerebral	14/14

eTable. Major Diagnostic Advances in Cerebral Palsy Best-Available Evidence

2009	c review		high risk for CP	month s CA	Palsy Sensitivity = 92% Specificity = 82%	
Darsaklis 2011	Systemati c review	39		-		

						the mean i.e.	
						15 points	
						Probability for	
						CP = high	
						(35%), as the	
						score	
						decreases	
						(>1SD) i.e. 20	
						points	
						Probability for	
						CP = vorv	
						OI = VOIy	
						nigh (03 %),	
						as the score	
						(>25D) I.e. 30	
				I		points	
MAI	Heinema	Systemati	7 MAI	Unable			
Standardize	n 2008	c review		to			
d motor				calculat			
assessment				e from			
, also				review			
assessing							
tone and							
reflexes							

ΤοοΙ	Citation	Type of Evidence	Numbe r Studie s	Numbe r Patient s	Populatio n	Age at Exam	Accurac y of Detectin g Risk for Cerebral	QUADA S Quality	tatic
							Palsy		

		review	diagnoses	good predictive validity but no values reportec 9precB72 JT J-1.14.	37T8 0TD,
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Tool Citation Ty Ev	ype of Numbe vidence r Studie s	Numbe r Patient s	Populatio n	Age at Exam	Accuracy of Detecting Risk for
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	Quatameti				2.40	accurate prognostic information than the individual tools. Normal neonatal MRI or moderate white matter lesions = HINE scores (>73) and normal motor outcome. Severe basal ganglia lesions were associated with HINE scores (<40) and CP	
Heinema n 2008	Systemati c review	4 HINE	Unable to calculat e from review	Newborn high risk for CP & other diagnoses	3-18 month s	Cerebral Palsy Authors conclude good predictive validity but no values reported	14/14

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ΤοοΙ	Citation	

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Tool	Citatio	Type of	Numbe	Numbe	Populatio	Age at	Accuracy of	QUADA
	n	Evidenc	r	r	n	Exam	Detecting Risk	S
		е	Studie	Patient			for Cerebral	Quality
CUS continue d	Ment 2002	Clinical Practice Guidelin e	7 CUS	2045	Preterm <30 wks as newborn high risk for CP & other outcomes	7-14 days of age	Cerebral Palsy Grade 3 & 4 IVH, cystic PVL, and/or moderate- severe ventriculomegal y injuries were predictive of CP CUS = established as predictive Recommendatio n: Routine CUS	14/14
							screening should be performed on all infants of <30- weeks' GA once between 7-14 days of age. Plus repeated between 36-40 weeks'	
СТ	Ashwal 2004	Clinical Practice Guidelin e	9 <i>CT</i>	782	СР	7month s-16yrs	Cerebral Palsy Sensitivity = 77% Yield varied by CP type (hemiplegic > ataxic > mixed > diplegic > quadriplegic > hypotonic > dyskinetic) Recommendatio n: Neuroimaging should be conducted using MRI, preferably to CT, because MRI is more accurate	14/14

Тоо	Citation	Type of	Numbe	Numbe	Populatio
I I		Evidence	r	r	n
			Studie	Patient	
			S	S	

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