

BANNFU Introductory Webinar: Clinical/data 2

Anthony Kaiser

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British Association of Neonatal Neurodevelopmental Follow Up. BAPM Special Interest Group



BANNFU Objectives

- **To improve the emotional and physical health** [including neurodevelopmental] **of families** [including infants] **involved in neonatal care.**
- To support timely early interventions that may impact/improve on early childhood outcomes.
- To consider an approach to assessment for school readiness and school entry and to promote liaison between health and educational services.
- To define outcomes at ages 2 and 4 years corrected, collate data and analyse the outcomes.

What data?

- * Who to get it about?
- * How to get it?
- * Who to get it?
- * When to get it?



TRPG OS survey of NNFU (2017)

- * Web-based survey questionnaire throughout UK
- * 62% of 179 units responded
- * 64% had dedicated NNFU service and 33% routine service
- * Wide variation in specifics

Arch Dis Child Fetal and Neonatal 2017

Doi: [10.1136/archdischild-2017-312983](https://doi.org/10.1136/archdischild-2017-312983)

Best practice or best evidence?

- * Historically, various follow-up programmes; obviously the one we designed was best!
- * NICE “Developmental follow-up of children and young people born preterm” August 2017
- * NICE has official sanction; but recommendations often controversial; and practicality?



Index cases (about whom?)

- * Up to 2 years ≡
 - * With developmental problems
 - * Increased risk of dev problems
 - * <30 wk GA
 - * 30-36^o wk GA +
 - * Significant brain lesion
 - * HIE II+
 - * Neonatal bacterial meningitis
 - * Neonatal HSE
 - * Other (!!)
- * 4 years
 - * All <28 wk GA (Epicure et al)
- * What about all other infants at risk?
 - * >36 wk + risk factors
 - * Cyanotic congenital heart disease
 - * Significant GI disorder eg NEC
 - * Clinical concern
 - * Significant jaundice
 - * Significant hypoglycaemia
 - * Indication for NO



NICE Developmental problems and disorders (What?)

- * Cerebral palsy
- * **Motor** and developmental coordination disorder
- * **Intellectual** (inc Special Educational Needs)
- * Executive function disorders
- * Speech/language/communication
- * Attention/impulsivity/hyperactivity
- * ASD
- * Emotional/behavioural/social
- * feeding
- * Sleep
- * Visual
- * Hearing
- * “developmental delay”



Tools (how?)

	clinical	Prechtl/ AIMS	GMFCS	Griffiths/Bayley/ PARCA-R	ASQ	WPPSI	CHAT	SDQ
CP	✓	✓	✓	✓				
motor	✓	✓		✓				
intellectual	✓			✓	✓	✓		
executive	✓			✓				
communication	✓			✓	✓			
attention	✓			✓				
ASD	✓						✓	
emotional/ behavioural	✓			✓				✓
feeding	✓							
sleep	✓							
visual	✓			✓				
hearing	✓			✓				
delay					✓			



Agents (by whom?)

	agent
clinical	parent, HCP
PrechtI/AIMS	Physio, OT, HCP
GMFCS	Physio, HCP
Griffiths/Bayley/SGS	HCP, Therapist
PARCA-R	parent (HV)
ASQ	parent + HCP
WPPSI	clinical psychologist
CHAT	HCP
SDQ	parent + HCP
vision/hearing	national screening programmes



When (NICE)?

- * NICE requires at least 4 face-to-face assessments (including considering parental concerns, auxology, physical wellbeing) at:
 - * 3-6 mo
 - * coming up to 12 mo
 - * 2 yr
 - * 4 yr (<28 wk only)



When (BANNFU)?

- * BANNFU recommends:
 - * Term (\equiv) or NNU discharge
 - * 3-4 mo
 - * 6-8 mo
 - * About 12 mo
- * 2 yr
- * 4 yr (<28 wk only)



BANNFU survey on NNFU provision

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