Supplementary material 1 – Outcomes assessed in Delphi process

Red = outcomes from systematic review one  
Blue = outcomes from systematic review two  
Black = merged common term

- Time to first enteral feed
- Time to first oral feed
- Time to full enteral feed
- Time to full oral feeds
- Incidence of PN
- Parenteral nutrition ever required
- Duration of PN
- Time on parenteral nutrition
- Time on total parenteral nutrition
- Need for PN after discharge
- Parenteral nutrition required post-discharge
- Feeding, initiation of feed in NICU
- Feeding, full feeds at discharge from NICU
- Short gut syndrome
- Short Bowel Syndrome
- Bowel lengthening procedure required
- Liver transplantation
- Neurodevelopmental outcome
- Neurodevelopmental delay
- Developmental milestones >6m
  - Ever ventilated?
  - Incidence of ventilation
- Post-operative ventilation required
- Duration of respiratory support
- Total time on mechanical ventilation
  - Duration of ventilation
  - Ventilated beyond 24hr
- Post closure time on mechanical ventilation
- Ventilation, peak inspiratory pressure
- Ventilation, peak concentration inspired oxygen
- Need for O2 after Discharge
  - Duration of O2
- Respiratory compromise
- Diagnosis of RDS
- Neonatal Respiratory Distress Syndrome
- Cholestasis

Time to first enteral feed
Time to full enteral feeds
Parenteral nutrition ever required
Time on parenteral nutrition
Time on total parenteral nutrition
Need for PN post discharge
Feeding, initiation of feed in NICU
Feeding, full feeds at discharge from NICU
Short bowel syndrome
Bowel lengthening procedure required
Liver transplantation
Neurodevelopmental outcomes
Developmental milestones >6m
Ventilation ever required
Post-operative ventilation required
Duration of respiratory support
Duration of ventilation
Ventilated beyond 24hr
Post closure time on mechanical ventilation
Ventilation, peak inspiratory pressure
Ventilation, peak concentration inspired oxygen
Need for O2 after Discharge
Duration of O2
Respiratory compromise
Respiratory distress syndrome
Cholestasis
Hypothyroidism
Bacteraemia
pH, time acidotic
Kidney dysfunction
Urine output
Volume of IV fluid required
Blood pressure, mean arterial
Need for stoma
Bowel Resection
Need for mesh at closure

Growth outcome
Weight gain
Weight<10th centile
Length of Hospital Stay
Length of stay
NICU length of stay
Discharge, NICU to home
Total number of GA
General anaesthesia, number of days, indication
Central-line usage ratio (days with central line/hospital days)
Duration of antibiotics
Hospital charge
Days to abdominal wall closure
Re-hospitalisation
Infectious complications
Infection, unspecified or other CVC sepsis
Infection, central line related
Wound infection or breakdown
Infection with systemic sequelae
Infection free survival
Infection, urinary or respiratory
Transfusion
Number of transfusions
Silo Complication
Bowel ischaemia
Ischaemic bowel
Anastomotic stricture
Anastomotic stricture
Perforation
Intestinal perforation
Intra-abdominal pressure
Abdominal compartment syndrome

Hypothyroidism
Bacteraemia
pH, time acidotic
Kidney dysfunction
Urine output
Volume of IV fluid required
Blood pressure, mean arterial
Need for stoma
Bowel Resection
Need for mesh at closure
Unspecified measures of growth
Weight<10th centile
Length of hospital stay
NICU length of stay
Discharge, NICU to home
Total number of GA
General anaesthesia, number of days, indication
Central-line usage ratio (days with central line/hospital days)
Duration of antibiotics
Hospital charge
Days to abdominal wall closure
Re-hospitalisation
Unspecified infection

Central line related infections
Wound infection or breakdown
Infection with systemic sequelae
Infection free survival
Infection, urinary or respiratory
Transfusions
Silo Complication
Bowel ischaemia
Anastomotic Stricture
Intestinal perforation
Intra-abdominal pressure
Abdominal compartment syndrome
NEC
NEC
Stoma complication
Obstruction
Adhesional small bowel obstruction
TPN liver disease
Intestinal Failure Associated Liver Disease
Re-operation
Unplanned surgery
Unplanned reoperation
Reoperation, need for enlargement of
gastroschisis defect
Reoperation, need for silo replacement
Ventral hernia
Umbilical hernia
GI complication
Non-GI complication
Retinopathy of prematurity
Presence of peel
Gestational Age
C-section
Birth weight
Birth weight below 2500g
APGAR at 5M
APGAR at 10M
Neonatal convulsions
QT interval
Simple vs. complex
Birth Related Injury
Cord pH<7.1 at birth
Cosmesis
New outcome added in phase two following stakeholder nomination
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Quality of life for the child
Chronic gastrointestinal symptoms
Gastrointestinal dysfunction, including but not limited to constipation
Small bowel transplant
Meningitis
Mortality*
Full oral feed achieved without any mechanical assistance
New outcome added in phase two following stakeholder nomination

Total number of days with a central line

New outcome added in phase two following stakeholder nomination

Discharge home with mechanical feeding assistance

New outcome added in phase two following stakeholder nomination

Societal costs, including financial cost for the family

Existing outcome from phase one modified for phase two

Home total parenteral nutrition

Need for stoma split into “need for a permanent stoma” and “Need for temporary stoma”

# Did not meet criteria for assessment in phase three of the Delphi process

*Inadvertently omitted from phase one of the Delphi process due to an error in transcription of outcomes from the reviews to the Delphi software