NHS England and BAPM Central Venous Catheter Group
Literature search strategy May 2015

| Search terms (AND, OR, NOT) and truncation (wildcard characters like *) | Central Line  
Central Line AND Newborn  
Central Catheter  
Central Venous Catheter  
Neonat AND, OR Longline;  
Neonat AND OR catheter;  
Neonat AND, OR Central line  
Umbilical AND, OR Catheter  
Umbilical venous catheter  
Umbilical vein catheterization  
Umbilicus  
Hepatic haematoma  
Chlorhexidine AND Neonat  
Povidone Iodine AND Neonat |
|---|---|
| Databases searched | Primary Search-PubMed, Ovid (1946-2015 May), Embase  
Supplemented by Google Scholar  
Textbooks Included (Macdonald & Rennie) |
| Part of journals searched | I have used keywords for search in the  
1. Title  
2. Abstract  
3. As a Text word |
| Years of search | As above |
| Language | English and articles which were translated into English |
| Types of studies to be included | RCT  
Prospective observational studies  
Retrospective Studies  
Case Reports |
| Inclusion criteria (why did you include it?) | Article related to umbilical venous catheter or percutaneous long line which fit into one of the following categories-  
1. Background for this work. (Extravasation related)  
2. Catheter types and material used in neonates |
3. *Procedural Asepsis in the neonate*
4. Measurement and Preparation
5. Insertion of the catheter
6. Securing and Fixation
7. Complications
8. Literature regarding ideal position
9. Confirming line position (Radiology and Ultrasound)
10. Literature covering duration for which the line is kept in-situ.
11. Examples of good practice (Guidelines, Exclusion criteria (why did you rule it out?)

**Literature Search** (Last completed 17/05/2015)
68. Birch P, Ogden S, Hewson M. A randomised, controlled trial of heparin in total parenteral nutrition to prevent sepsis associated with neonatal long lines: the Heparin in Long Line Total


149. de Brito CS, de Brito DV, Abdallah VO, Gontijo Filho PP. Occurrence of bloodstream infection with different types of central vascular catheter in critically neonates. The Journal of infection. 2010;60(2):128-32.


220. Goni Orayen C, Perez Martinez A, Ruiz Cano R, Carrascosa Romero MC, Vazquez Garcia MS, Martinez Gutierrez A. [Central venous access by the Seldinger technic in


Rejjal A, Galal M, Nazer H, Karim A, Osba YA. Complications of parenteral nutrition via an umbilical vein catheter. European journal of pediatrics. 1993;152(7):624-.


Sankar MJ, Paul VK, Kapil A, Kalaivani M, Agarwal R, Darmstadt GL, et al. Does skin cleansing with chlorhexidine affect skin condition, temperature and colonization in...


