**BHS PAEDIATRIC RESIDENCY PROGRAMME 2014**

**PAEDIATRIC FLUIDS QUIZ**

**Iv FLUIDS**

1. What is your choice of iv fluid in the following scenarios?
   1. Drug line
   2. Dehydrated child (not tolerating po/ng) needing a fluid bolus
   3. Newborn term infant – maintenance fluids
   4. Newborn preterm infant – maintenance fluids
   5. 10 month old post op patient
   6. Maintenance fluids in unwell child eg meningitis
2. In addition to peripheral iv access – what other unique venous access can be access in newborns?
3. What is the maximum strength dextrose that can be administered via a peripheral line?
4. Insensible water losses
   1. What are they?/ routes of loss
   2. What is the normal basal loss?
   3. When might they be increased?/ decreased?
5. What are the normal urinary losses (ml/kg/d) in:
   1. Newborn?
   2. Child?
6. What fluid choice and volume ( ml/kg/d) are commenced for neonates on day 0,1,2,3?
   1. What may alter these choices?
7. Calculate the maintenance fluid (indicate fluid choice) for the following children (ml/hr)
   1. 3.5kg term, newborn d0 of life
   2. 10kg 1 year old
   3. 17 kg 5 year old
   4. 33kg 10 year old
   5. 70 kg 15 year old
8. Why might maintenance fluid be reduced to 2/3?
9. Often should UEC be checked if a child is on iv fluids?
10. Dehydration
    1. What are the symptoms of dehydration?
    2. What are the signs of dehydration?
    3. How is dehydration calculated?
    4. How does this influence the volume of fluids administered?
    5. What important factors influence fluid management in dehydrated children?
    6. Give some examples of Red Flags when assessing dehydrated children