Johns Hopkins Project lab

035 study
Lab-Clinic QC plans
Preparations

♦ Train all nurses on
  – Rapid HIV testing
  – Pregnancy testing

♦ Topics covered
  – Principle of test
  – Step by step procedure
  – Interpretation of results
  – Hands on practice
HIV rapid

- Rapid testing will be done at the clinic on EDTA blood
- Red top and purple tops sent to lab for syphilis and chemistry
- Sera and plasma separated – stored
- Once a fortnight choose 5 samples randomly
- Test with rapid test kits
- Compare results with clinic results
If there is a discrepancy

♦ Repeat testing on sample used in clinic – purple top

♦ Confirm result by testing sera

♦ If results are inconsistent
  • Labeling problems
  • Sample switching
  • Problem is with testing procedure
  • Ask nurse to demonstrate

♦ Fill forms for corrective action and amendment of results
Pregnancy testing

♦ Clinic will perform testing as client come

♦ Procedure
  – Client gives minimum 20ml
  – A few ml separated for pregnancy and dipstick
  – Pregnancy and dipstick urinalysis performed
  – Keep all urines in a designated area
  – Discard all urines at 3:30pm
Lab activity

♦ Once a fortnight, on a day not announced to the clinic - Lab tech goes to clinic before 3:30pm
♦ Performs pregnancy testing on 5 randomly picked samples
♦ Compares results with clinic results
In case of discrepancy - pregnancy

- Repeat testing on same sample
  - ? Technique used - Eg too much urine used
- Confirm result by testing on sample that was set aside for CT/GC testing
  - If results are inconsistent
    - Labeling problems – Sample labels switched when dividing samples
  - If results match
    - Problem is with testing procedure
    - Ask nurse to demonstrate
- Fill form for corrective action and amend results