

Measuring Blood Glucose

Using the Accudata GTS
(Point of Care)

Equipment Needed



- AccuData GTS, Advantage monitor.
- Advantage Htm Test Strips
- Advantage Code Key
- Automatic Lancets
- Soap and Water
- Cotton ball, tissue, or gauze
- Clean gloves

How to Operate the GTS It is a mini computer

- Turn on machine using blue button.
- If doing patient test, touch button under patient on screen.
- Verify Code-Yes
- Enter Operator ID - Then press Enter
- If a mistake is made, the clear key will backspace.
- Enter patient ID- then press Enter
- Remove test strip, close cap immediately.
- When screen shows flashing strip, remove monitor
- Insert strip into monitor with yellow target area up
- Perform a capillary puncture.

Obtaining blood specimen (capillary puncture)

Do not squeeze or apply pressure to site.



Penlets aren't used at TCCH

- Wash hands, don gloves
- Explain procedure to pt.
- Wash pt. Fingertip esp. side to be punctured, heel of infant with soap and water, allow to dry.
- Manipulate finger to determine blood supply with arm dependent.
- Cock lancet
- Place tip of lancet against side of finger or heel.
- Activate lancet, to pierce skin
- Gently massage base of finger, stroking toward puncture site.

Procedure - con't



- Place tip of capillary bulb at base of blood drop.
- Fill only tubing with blood
- Do not fill bulb with blood.

Procedure (con't)



The test strip will be in the monitor while applying the blood.

- Place large drop of blood on test strip while it is in the machine from capillary bulb.
- 2nd. Gtt. of blood can be added within 15 sec.
- Place monitor back in GTS
- Wait for results.
- Enter comment code with wand.
- Dispose of lancet in sharps
- Dispose of test strip in trash.
- Remove gloves, wash hands
- Report to the nurse the results.
