Welcome to PRMCE
POINT OF CARE (POC) TESTING Orienta
OBJECTIVES

By the end of this session, the learner will:

• Explain the role of Point of Care Testing
• Perform Quality Control (QC) and patient tests on the Roche Inform II glucose meter
• State when to perform QC tests
• Describe when and how to repeat tests
• Understand “procedure error” comment
• Explain when and how to disinfect the meter
POC testing at PRMCE

• Definition of Point of Care

• Regulating Agencies
  – College of American Pathologists (CAP)
  – Joint Commission
  – CMS
  – Washington State Department of Health
Rules for POC testing

• All Testing is done under the Lab’s CLIA license
• Testing must be authorized by Lab Medical Director
• Users must be trained and certified
• Users must maintain competency annually
• All departments must satisfactorily participate in Proficiency Testing program
NUMBER TO USE FOR OPERATOR ID

- 6 digit badge ID number
- Agency nurses or others with 5 digit badge number (such as T-xxxxx) will need to manually enter a 6 digit number by putting a “0” at the beginning of the numbers:
  
  0XXXXX

It is against Providence Integrity and Compliance policies to scan another person’s badge in order to access point of care instruments.
PRMCE Point of Care
Glucose Meter:
Roche Accu-Chek Inform II
TO RESET METER:

- Press and hold the power button for 20 seconds to RESET the meter.

Scanner is located here, behind the Test Strip Port.
Inform II Meter

- The meter has a rechargeable battery: it must be stored in base unit
- Reading range of meter is 10 to 600mg/dL
- Small sample: 0.6 uL
- Quick reaction time: 5 seconds
- Wireless transmission of results
- Must be disinfected with SaniCloth BLEACH Germicidal wipes (orange lid)
The base unit:
- Charges the meter battery pack.
- Communicates with a data management system, if available.

Base unit has a cord to plug into wall outlet

The light at the bottom should always be lit (indicates power is on).

A GREEN light indicates the ethernet connection is on.

Meter must display battery icon when placed in docking station.
Is the Inform II Meter charging?

Docked correctly & ready for use=green: Docked correctly, not ready for use=yellow/red:

The screen will go black two minutes after docking correctly. This conserves battery life. To check if it is charging or docked correctly, tap the screen or push power button.
Roche Accu-Chek Inform II Test Strips

- Stable until expiration date on vial
- Store with lid on tight
- Use strip immediately after removing from vial
- QC must be run whenever a new vial of strips is opened.
- **Write QCV on vial’s lid.**
- Code Key chip is in each new box. OK to throw away.
Inform II Reagent Test Strips

• Insert strip prior to dosing

• Wait for **blood drop icon** to appear before applying sample to edge of strip

• Apply sample to front **edge** of strip

• Error Codes
  
  – “Type Bad Dose”
  
  – “Strip Defect Error”
Inform II Quality Control

• When to run Quality Control (QC) test
  – Each meter every 24 hours
  – When opening a new vial of strips
    • Write QC on lid
  – If a vial of test strips is found with lid off/ajar
  – If strip lot for patient test is different than what was used for QC

• Expires 90 days after opening.
  – Pre-stickered QC vials supplied by Lab POC
RUN BOTH Low (#1) and High (#2) QC LEVELS

- Turn meter on
- Scan or manually enter badge ID
- Scan QC vial Level 1
- Scan vial of test strips
- Insert strip. Keep meter horizontal.
- WAIT for drop symbol. Apply sample to front edge
- Press check mark to send result
- Record result on training checklist
- Repeat with other level, QC vial Level 2
PATIENT TESTING

Evaluate Patient for Suitability for Testing with Finger Stick Sample

Patients with impaired peripheral circulation (severe dehydration) should **NOT** have finger stick glucose testing.

**VENIPUNCTURE OR LINE DRAWS SHOULD BE PERFORMED INSTEAD**
PATIENT TESTING
Evaluate Patient for Suitability for Testing with Glucometer

🌟 Do NOT use glucometer if:
- Patient hematocrit <10% or > 65%
- Triglycerides > 1800 mg/dL (seen in acute pancreatitis)
- IV administration of ascorbic acid
- Galactose concentrations > 15 mg/dL (seen in neonatal galactosemia)

*IF ANY OF THESE LIMITATIONS APPLY, ORDER LAB GLUCOSE TESTING AS GLUCOSE RESULTS MAY BE INACCURATE ON THE INFORM II METER*
PATIENT TESTING

• Small amount of blood required
  – Accepts venous, arterial and capillary blood from fingerstick or neonatal heelstick.
  – No umbilical cord blood
  – Wipe away first drop
PATIENT TESTING

• Use alcohol to cleanse finger. Allow to dry.

• Lance patient on left or right of curvature of finger. (Use sides of finger, not center)

• Wipe first drop. Use second drop as your specimen.
NUMBER TO USE FOR PATIENT ID

• Always scan the patient’s armband

• Identify patient by the 11 digit CSN number (think of this as the “Chem Stick Number”)
PATIENT TESTING

• SCAN ONLY for patient ID

• Meter should display patient’s name and DOB

• Verify that name and DOB are correct

• Press checkmark to advance to next screen
Patient not found message:

 Indicates that the patient’s registration process is on-going. Check that the number displayed on the message matches the CSN on the patient’s armband.

 If numbers match, select green check mark.

 You do not need to use the Emergency Bar Code if you get this message AND the display matches the armband CSN.
PATIENT TESTING

• **Emergency Bar Code**
  – Located in lid of tote
  – Use if no suitable armband is available
  – MUST notify POC office regarding:
    – Patient name
    – Date and time of test
    – Glucose result
    – CSN number (if known)
PATIENT TEST RESULTS

• ALL RESULTS WILL CROSS INTO EPIC except
  – “Procedure error” comment will prevent a result from crossing into EPIC.
  – Document results in EPIC ("Preliminary POC Glucose")

• Do repeats within 10 minutes to prevent duplicate charge.
WHEN TO REPEAT A TEST

• Repeat POC glucose for the following reasons:
  
  – Error Code
  
  – Result is outside reportable range (LO or HIGH)
  
  – Result doesn’t match clinical presentation
PATIENT TEST: Reportable range

• Meter measures 10 mg/dL to 600 mg/dL

• “LO” means result is <10. Repeat on meter.

• “HI” means result is >600. Repeat on meter.

• Get lab draw if HI (order “Glucose Recheck”)
PATIENT TEST: Critical Values

• Follow Nursing Protocol for patient treatment and provider notification

• Critical Values: Repeat not required
  – Infant <45, >150
  – Others <50, >500
PATIENT TEST: Comments

• Up to three comments can be attached to a result
• Available comments:
  – Procedure error (will prevent result from cross interface)
  – Questionable result
  – Will repeat
  – Use this result
  – Use previous result
  – Patient Symptomatic
• COMMENTS ARE NOT REQUIRED
RUN A PATIENT TEST

- Use Demo Solution
- Scan armband
- Verify enhanced patient ID
- Add a comment to the result
**Disinfecting the Meter**

*Must be disinfected after each use*

- Power off the meter.
- Use Sani-Cloth BLEACH Germicidal Wipes.
- Wipe the outside of the meter, making sure that no liquid enters the test strip port. Cover all surfaces.
- The meter surface should stay moist for 4 minutes.
- You may re-dock the meter while it is still wet.
- DRY THE BATTERY CONTACTS to prevent rust film development.
REVIEW RESULTS

• Touch Review Results from Main Menu

• All results are displayed

• Touch “Patient” to review patient results

• Touch “QC” to review QC results

• Touch an individual result to see more detail
RESOURCES

• On-line written procedure in PolicyStat:
  – “Roche Accu-Chek Inform II Glucose Meter”

• POC Web site on intranet:

• POC office: (83659 or 425-261-3659)

• Roche Inform II Customer Care Hotline is on every tote (800-440-3638)
ALMOST DONE

• Check off items on Accu-Chek Inform II Initial Training Checklist and sign at bottom of page

• Complete the Quiz

• On unit: Do patient direct observation and turn in to your manager