

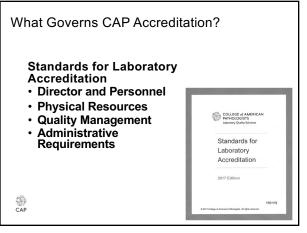
- Clinical Laboratory Improvement Acts (CLIA) of 1967 and 1988
  - Laboratories licensed by Federal Government (CMS)
     Organizations "deemed" by CMS to accredit federally
  - licensed laboratories: CAP, The JC, AABB, ASHI, etc. – Inspection is part of the accreditation process

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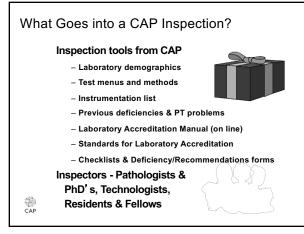
CAP Laboratory Accreditation Program (LAP)

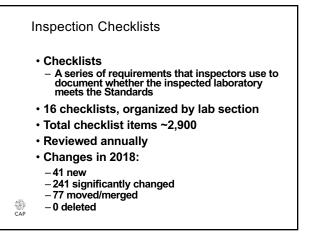
- Began in 1961
- >7,000 laboratories in program
  - 43% of hospital laboratories
  - 80% of large hospital laboratories
  - 95% of university hospital laboratories
  - 2/3rds of large reference laboratories
     100% of (VA and) military laboratories
  - ~300 international laboratories
- 10-12 inspections per day
- Participation is purely voluntary

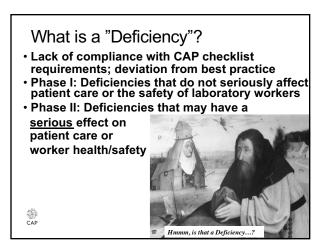
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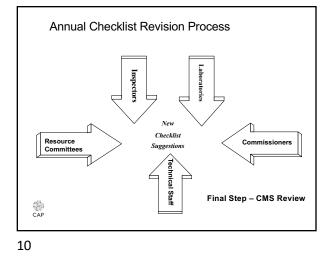


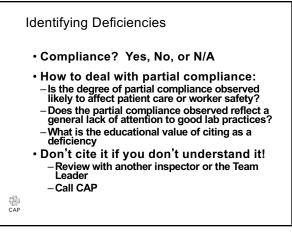






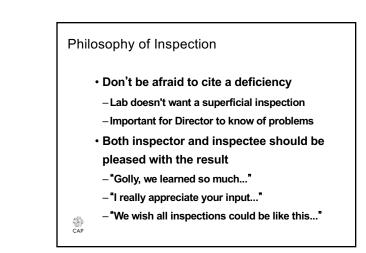












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16

### Preparing for the Inspection

- Web-based inspector training - <u>www.cap.org</u>, then enter "Inspector Team Member Training" in upper right hand corner Search window
- Review inspection packet: Demographics, test menu, instrumentation, PT issues and prior deficiencies
- Review checklist thoroughly; perform a "dummy" inspection at your facility
- Questions? Call or email CAP: <u>Accred@cap.org</u>
   (2005)

### -1-800-323-4040 (x6065)

## CAP Inspection Documents on UT Server

- Laboratory Accreditation Manual
- Standards for Laboratory Accreditation
- IQCP Inspector Guide
- To Cite or Not to Cite
- CAP Inspection Process.ppt

### https://lsom.uthscsa.edu/pathology/cap-documents/

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18



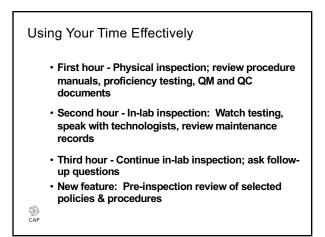
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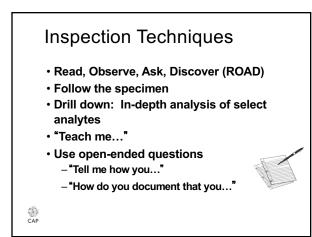


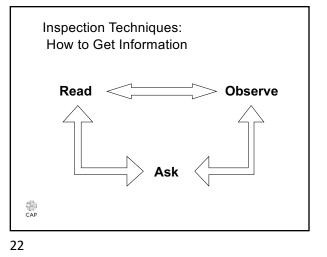
### Inspection Day

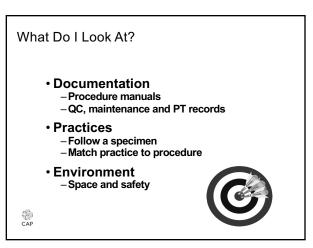
- 8:00 am Arrive at laboratory
- 8:00-8:30 am Introductions, schedule, brief tour
- 8:30-noon Inspect with first checklist
- Noon-1:00 pm Lunch; meet with Team Leader
- 1:00-3:00 pm Inspect with second checklist
- 3:00-4:00 pm Presummation conference: Team meets, discusses deficiencies, completes Deficiency and Recommendations forms
- 4:00-5:00 pm Summation conference

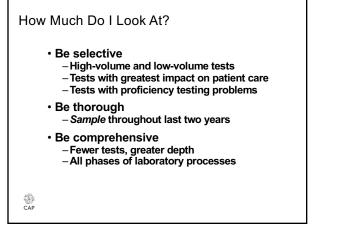
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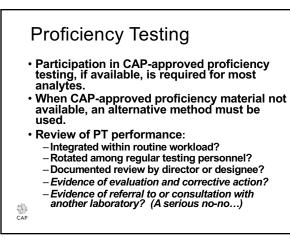








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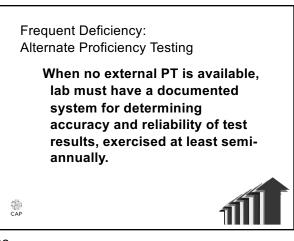


27



At Friars Medical Center, the main Chemistry lab was having trouble with serum sodium testing. When proficiency testing samples arrived last month, the Chemistry supervisor compared the results of the main Chemistry section to those in the Blood Gases section before sending in the results.

Was this acceptable?



All Common Checklist

Proficiency testing

Quality Management

Procedure manuals

Reagents and equipment

Test method validation/verification

28

Scenario - Proficiency Testing

At Marvelous Health System, the Oncology Clinic laboratory performs CBCs, but routinely sends manual white cell differentials to the main laboratory for reading. The same procedure was followed with their proficiency testing sample.

Was this acceptable?

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### Quality Management (QM) Program (Laboratory General Inspector)

- Documented operational plan, implemented as designed
- -Review 12 months prior to inspection
- Involves all aspects of the laboratory service
- Key quality indicators monitored and evaluated
- Include pre-analytic, analytic and post-analytic
- Systematic program to document & correct problems
- Coordination with institutional QI program
- Annually appraised for effectiveness

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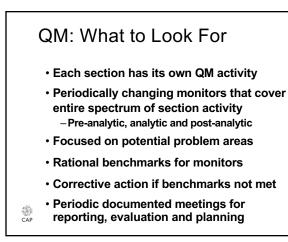
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# gram Examples of Quality Indicators

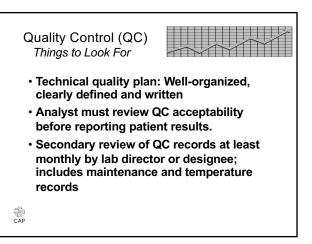
- Amount of blood used for testing
  - Turnaround times
  - Preservation of specimen ID integrity
- Frozen vs. permanent section diagnosis
- Correlation between PAP test and biopsy
- Accuracy of report transmission across an interface

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32



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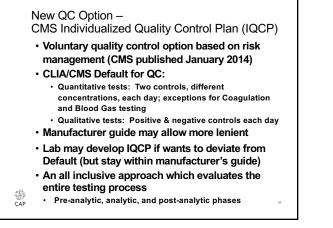
# QC - Common Problem Areas Calibration, Verification and AMR Use manufacturer's method(s) & recommendations Calibration every 6 months, or if calibration verification fails, or manufacturer specifies otherwise Matrix-appropriate QC/Cal/Ver materials Analytic measurement range performed every 6 mo. Parallel testing of new reagent lots Preferably with patient samples All components of reagent kit from same lot On-board (electronic) controls:

- Follow manufacturer's recommendations?
- Mostly OK for daily QC
- Must use external controls with new reagent lot

# QC: What to Look For

- QC records organized to detect problems
- Tolerance limits defined
- QC logs; corrective action documented
- QC results reviewed/verified before reporting patient results
- Daily temperature charts (with acceptance ranges) for all temperature-dependent equipment & reagents
- $\bullet$  Supervisor review at least monthly

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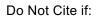




– QC reviews. PT performance, complaints

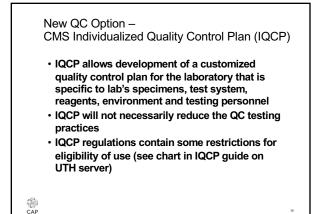
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39



- The format of the RA is not "user-friendly"
- The RA doesn't look like the ones in your lab.
- You disagree with the acceptability of a specific risk.
- You disagree with the frequency of the QC being performed.
- · You think the QCP does not address potential risks.
- · You disagree with the acceptability of QC to mitigate risk.
- You do not believe the lab has adequately addressed potential patient outcomes.
- Always give the lab a chance to prove their compliance.
- Discuss with team and team leader for advice.
- Call CAP for ruling on evidence of compliance.

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38

#### Do Cite if:

- Risk Assessment (RA) is missing one or more of the five components
- RA doesn't cover all three phases of testing
- RA did not include in-house data or did not involve lab personnel.
- RA done with old data; more than a year old.
- QCP not signed
- · QC performed less frequently than specified by manufacturer
- QCP not followed as written
- · Plan does not monitor devices in all areas of use
- Serious quality concerns or adverse patient outcomes have not been addressed
- Equivalent QC (EQC) is still in use without an approved IQCP
- Equivalent QC (EQC) is still in use without an approved
   IQCP in place for ineligible test
- Not using the required CAP forms
- CAP Not using the required CAP forms

40

### Scenario - IQCP

While looking through the Point of Care i-STAT IQCP paperwork at St. Maverick's Hospital lab, you notice that all of the QC reports and supporting documents are all from 2016. The supervisor states that nothing has changed from the creation of the plan. They have not noticed any increase in QC check codes or had any complaints about result accuracy, and the medical director has been signing off on the plan annually.

Is this acceptable?

### **Procedure Manuals**

- All procedures must receive biennial review
- Manufacturer's procedure acceptable if laboratory documents evaluation
- Actual practice must match written procedure
- Documentation of technical staff review
- Retired procedures retained for 2 years
- CAP

43

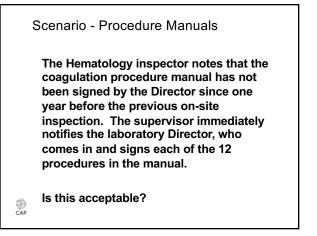
### **Procedure Manual Review**

- If director delegates periodic review, designee must be documented in writing and be qualified.
- Paper manuals:

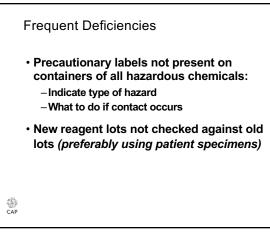
   No requirement to sign every page of procedure
- One signature on front page of manual is not acceptable.
- Index listing each procedure, with review date and signature for each, is acceptable.
- Electronic manuals:
- Secure electronic signature
- is not required.

44

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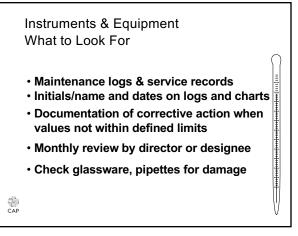
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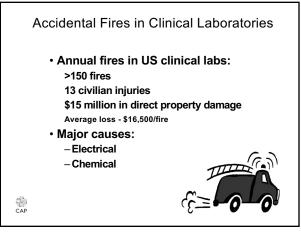
- Labeled with content, storage, date prepared/reconstituted, and expiration date – Dates received or opened not necessary unless date opened changes expiration date.
- Must be used within expiration date -Exception - rare reagents in Blood Bank
- All reagents used within their designated "master" lot number, unless indicated for universal use by manufacturer (buffers, etc.)

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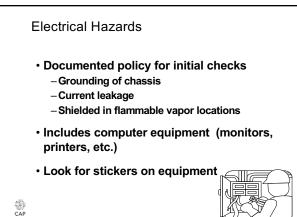


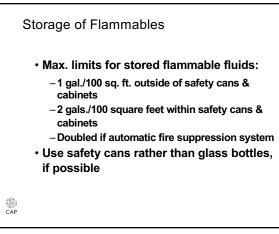




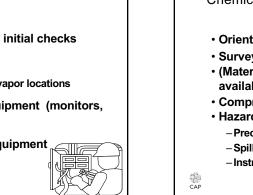


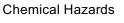
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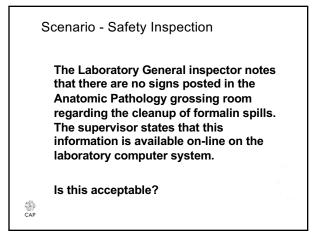


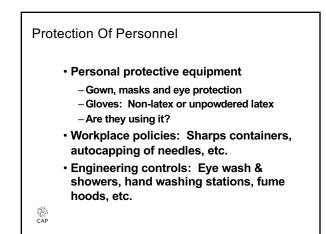
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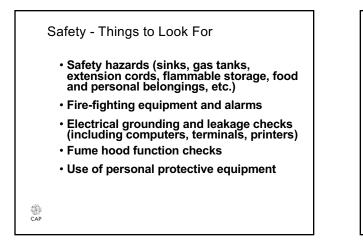


- Orientation and training for personnel
- Survey for carcinogens and toxins
- (Materials) Safety Data Sheets readily available to testing personnel
- Compressed gas containers secured
- Hazardous chemicals
  - -Precautionary labeling
  - -Spill kits
  - -Instructions posted for cleanup of spills

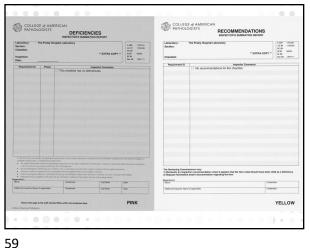


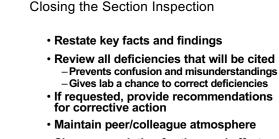


56



57





· Show appreciation for time and effort spent with you, and in preparing for inspection

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58

