Specimen Interference Detection and Mitigation Workshop

Workshop IndexDuration: 3 DAYS

Use the index to navigate the workshop sections and open quick reference modals for scope, audience, outcomes, delivery, policies, and FAQs.

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Quick Summary

Clinical ChemistryInterference ReviewQuality Focused

Managing Hemolysis, Lipemia, and Icterus for Better Result Reliability

Understand how hemolysis, lipemia, and icterus interfere with analytical accuracy and specimen suitability.

Interference ControlAnalytical Accuracy

Review visual assessment, index-based screening, and workflow triggers for identifying compromised samples.

Sample ScreeningWorkflow Triggers

Connect specimen quality findings with repeat collection decisions, reporting confidence, and mitigation steps.

Mitigation StepsReporting Confidence

Explore common causes of sample interference from collection,

transport, storage, and patient-related factors.

Collection FactorsStorage Factors

Strengthen pre-analytical and post-detection responses that reduce avoidable result distortion.

Result IntegrityResponse Planning

Build practical awareness for handling unsuitable or borderline specimens in routine chemistry workflows.

Routine ChemistrySpecimen Quality

Overview

Specimen QualityProcess BasedLab Ready

Overview and Outcomes for Detecting and Mitigating Common Sample Interferences

Review the characteristics of hemolyzed, lipemic, and icteric samples and their impact on test systems.

Hemolysis ReviewLipemia Review

Understand who should attend, including chemistry staff, sample processing teams, and quality reviewers.

Chemistry StaffQuality Reviewers

Identify how interference indices and visual checks support early recognition of compromised specimens.

Interference IndicesVisual Checks

Clarify decision points for sample acceptance, recollection, comment addition, and downstream review.

Acceptance CriteriaRecollection Logic

Connect interference management with better analytical reliability and reduced reporting risk.

ReliabilityReporting Risk

Strengthen outcome-based thinking for laboratory mitigation, communication, and documentation.

DocumentationCommunication

Agenda

Case BasedHands On ReviewMitigation Driven

Agenda and Hands-on Review for Detection Methods, Causes, and Response Actions

Cover agenda topics on specimen appearance, interference indices, instrument flags, and chemistry-specific impact.

Instrument FlagsChemistry Impact

Discuss root causes such as traumatic collection, delayed processing, turbidity sources, and bilirubin-related effects.

Root CausesDelayed Processing

Review case examples that compare unsuitable, borderline, and acceptable specimens across test scenarios.

Case ReviewSpecimen Scenarios

Use guided exercises to evaluate mitigation options including recollection, dilution review, and reporting comments.

Dilution ReviewReporting Comments

Explore documentation checkpoints and escalation paths for interference-related sample management.

Escalation PathsSample Management

Reinforce practical habits that improve screening consistency and reduce avoidable inaccurate reporting.

Screening ConsistencyAccurate Reporting

Deliverables

Reference MaterialWorkflow GuidancePractical Output

Deliverables, Mitigation Guidance, and Frequently Asked Questions

Receive practical notes on hemolysis, lipemia, and icterus recognition and their analytical implications.

Recognition NotesAnalytical Impact

Get workflow guidance for screening, acceptance decisions, mitigation actions, and documentation.

Workflow GuidanceDecision Support

FAQ topics include specimen rejection, comment reporting, repeat collection, and interference thresholds.

Rejection LogicThreshold Review

Participants can apply outcomes to improve routine chemistry review and reduce avoidable sample-related errors.

Chemistry ReviewError Reduction

Recommended delivery supports laboratory quality meetings, sample processing review, and staff alignment.

Quality MeetingsStaff Alignment

Policies emphasize careful participation, specimen quality awareness, and practical workflow discussion.

Participation CareQuality Awareness

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