NTHRYS WORKSHOPS.

Pre-Analytical Quality Optimization Workshop

Workshop IndexDuration: 5 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 ChemistryWorkflow RedesignQuality Improvement

Strengthening Pre-Analytical Quality Through Workflow Redesign and Monitoring

Understand how pre-analytical variables influence specimen integrity, turnaround performance, and analytical reliability in clinical chemistry operations.

Specimen IntegrityAnalytical Reliability

Review workflow redesign principles that reduce identification, collection, transport, handling, and processing errors.

Error ReductionProcess Mapping

Learn monitoring approaches for tracking deviations, bottlenecks, repeat issues, and quality drift across laboratory steps.

Deviation TrackingQuality Drift

Connect quality optimization goals with measurable controls, escalation practices, and staff accountability.

Measurable ControlsStaff Accountability

Examine real-world redesign opportunities that improve sample flow, traceability, and consistency without adding unnecessary complexity.

Sample FlowTraceability

Develop a structured view of continuous monitoring to sustain pre-analytical quality gains over time.

Continuous MonitoringSustained Gains

Overview

Pre-Analytical ControlOperational DesignPerformance Focused

Overview and Outcomes for Pre-Analytical Quality Optimization Programs

Explore how pre-analytical workflow redesign supports safer specimen handling, lower rework, and improved downstream performance.

Safer HandlingLower Rework

Identify who should attend, including laboratory supervisors, collection staff, quality teams, process owners, and clinical chemistry professionals.

Collection StaffProcess Owners

Clarify learning outcomes related to control point design, monitoring metrics, escalation logic, and corrective action planning.

Control PointsCorrective Action

Understand how workflow standardization improves consistency

across specimen receipt, transport, labeling, and preparation stages.

StandardizationPreparation Stages

Connect monitoring data with decision making for redesign priorities and quality intervention timing.

Monitoring DataRedesign Priorities

Build practical understanding of how optimized workflows reduce risk while supporting reliable laboratory service delivery.

Risk ReductionService Reliability

Agenda

Process ReviewHands On AnalysisMonitoring Ready

Agenda and Hands-on Review of Workflow Redesign and Monitoring Strategies

Review agenda topics on pre-analytical risk points, workflow breakdowns, and redesign opportunities across specimen pathways.

Risk PointsSpecimen Pathways

Assess monitoring indicators such as rejection trends, relabel events, transport delays, and repeat collection patterns.

Rejection TrendsTransport Delays

Use practical examples to redesign handoff steps, documentation flow, and exception handling checkpoints.

Handoff StepsException Handling

Practice identifying bottlenecks, root causes, and control gaps that undermine consistent pre-analytical quality.

Root CausesControl Gaps

Apply monitoring logic to escalation workflows, trend review

meetings, and targeted corrective follow-up.

Escalation WorkflowsTrend Review

Strengthen operational thinking for redesigning workflows that are measurable, practical, and easier to sustain.

Operational ThinkingSustainable Design

Deliverables

Quality ToolsMonitoring GuidanceImplementation Ready

Deliverables and FAQs for Pre-Analytical Workflow Optimization and Monitoring

Receive structured guidance on redesign opportunities, monitoring points, and quality review considerations for laboratory teams.

Redesign GuidanceQuality Review

Gain practical reference material for mapping workflow steps and identifying priority improvements in pre-analytical operations.

Workflow MappingPriority Improvements

FAQ topics cover monitoring frequency, redesign ownership, metric interpretation, and managing recurring quality issues.

Monitoring FrequencyMetric Interpretation

Participants can adapt workshop insights to reduce specimen errors and improve process visibility.

Error PreventionProcess Visibility

Delivery recommendations support routine monitoring discussions, redesign planning sessions, and operational follow-up.

Planning SessionsOperational Follow-Up

Policies emphasize disciplined handling, timely review, accurate

documentation, and collaborative improvement practices.

Accurate DocumentationCollaborative Improvement

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