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# Control of laboratory error through "Corrective and Preventive Actions"

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IFCC Committee on Clinical Laboratory Management http://www.ifcc.org/ifcc-education-division/emd-committees/c-clm/

Satellite Educational Workshop on Intelligent Clinical Laboratory Management: Impacts on Quality System Improvement

Hilton Durban - October 22, 2017







### **Nonconformities**



**Nonconformities** are accidents, errors, events, incidents, occurrences, and accidents

CLSI and ISO 15189:2012 define nonconformities as "*Nonfulfillment* of a requirement"

**ISO 15189:2012** (section 4.9) holds clinical labs accountable to have: "a documented procedure to identify and manage nonconformities in any aspect of the quality management system, including preexamination, examination or post-examination processes."



Adapted from Circulation 2000;102:118

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Why is addressing nonconformities important?



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Nonconformities are weaknesses in procedures that may lead to significant patient harm in certain circumstances.









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- Defining corrective and preventive actions.
- CAPA Tools
- CAPA Process.
- Summarize Role in Quality Improvement and Patient Safety.

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## **Corrective Action**



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### **ISO 15189:2012** (section 4.9):

*"When it is determined that nonconformities in pre-examination, examination and post-examination processes could recur... the laboratory shall take action to identify, document and eliminate the cause(s)."* 

















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Severity of Failure

#### A risk analysis process involving:

- 1. Assembling at Team
- 2. Identify Threats
- 3. Estimate the Impact
- 4. Identifying Actions to address risk.
- 5. Assign accountability for corrective actions

Preventive Actions focus on higher RPN scores (Greater effect on patient outcome/lab process/safety)



Likelihood of occurrence















