



**ECRI**

The Most Trusted  
Voice in Healthcare



# LEADERSHIP IN HEALTHCARE TECHNOLOGY MANAGEMENT TRAINING PROGRAM

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Learn how to select, implement, and maintain  
**HEALTH TECHNOLOGIES** and associated systems.

## WHO SHOULD ATTEND?

- Hospital administrators/C-levels
- Medical directors
- Materials/procurement managers
- Departmental directors/managers
- Nursing managers and nurses
- Clinical and biomedical engineers
- Quality assurance managers
- Physicians
- Risk managers
- Patient Safety officers

## Healthcare Technology Challenges

Modern healthcare services are technology driven; as complexity increases, acquisition cost increases, and thus maintenance costs increases as well.

The management of medical equipment technology has not been keeping up to date in meeting the demand in delivering the best and safe health services to the patients. This has to change!

The key to the safe, efficient and cost-effective management of medical equipment technology lies in the use of best practices, quality assurance, continuous improvement, modern management techniques, and competent human resources.



## ABOUT ECRI

ECRI is an independent and international non-profit organisation dedicated to bringing the discipline of applied scientific research in healthcare to uncover the best approaches to improving patient care. ECRI provides unbiased up-to-date publications and databases on healthcare technology, medical equipment management, and much more to assist healthcare providers to plan, procure, manage and maintain medical equipment in the most cost-effective manner. ECRI also provides consulting support, education and training for healthcare providers such as administrators, procurement managers, risk managers, nurses and maintenance engineers.

## TRAINING OUTLINE

### DAY 1

- Scope of Healthcare Technology
  - Definition of Healthcare Tehnology
  - Purpose of Healthcare Technology Management (HTM)
  - HTM Stakeholders
  - Self-Assessment Questionnaire
- Healthcare Technology Management Concept
  - Typical Lifecycle of Technology
  - A HTM Concept
- Benefits of Managing Healthcare Technology
  - Importance of HTM
  - Outcomes from Poor Technology Management
  - Strategic & Planned Technology Management Benefits
- Challenges in Healthcare Technology Management
  - Culture & Communication
  - Medical Device Integration (IT Integration)
  - Risk Management - adopting the right approaches
  - Dealing with Change in Technology
- Best Practices in Healthcare Technology Management
  - A Medical Equipment Management Plan
  - Leadership
  - Medical Device Naming Conventions
  - Technology Service Nomenclature
  - Management of Hazards & Recalls
  - Adverse Event Investigation & Management
  - Disaster & Emergency Preparedness
  - Innovative Practices from Around the World

### DAY 2

- Horizon Scanning for New Technologies
  - Horizon Scanning Approach
  - Therapeutic Technology
  - Diagnostic Technology
  - Enabling Technology
  - Preventive Technology
  - Organisational Technology
- Healthcare Technology Assessment (HTA)
  - Processes & Methods
  - 13-step Research Process
  - Evidence-based Decision Making
- Strategic Technology Procurement
  - Planning & Acquisition
  - The Process (Tender Documents, Technical Specifications & Evaluation)
  - Financial Evaluation (Life Cycle Cost Analysis & Service Support Analysis)

### DAY 3

- Evidence-based Value Analysis
  - The pursuit of Value
  - What is "Value Analysis" and "Evidence-based"?
  - Principles of Value Analysis
  - The Do's & the Don'ts
- A Condition Appraisal
  - The Need for an Appraisal
  - The Appraisal Process
  - Appraisal Criteria
  - The Appraisal Report
- Predictive Replacement Planning PRP
  - Value of PRP
  - PRP Process & Elements
  - Technology Replacement Plan

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