

*Università degli Studi di Padova
Scuola di Specializzazione in Biochimica Clinica (A.A. 2005-2006)
INDIRIZZI: DIAGNOSTICO E ANALITICO TECNOLOGICO*

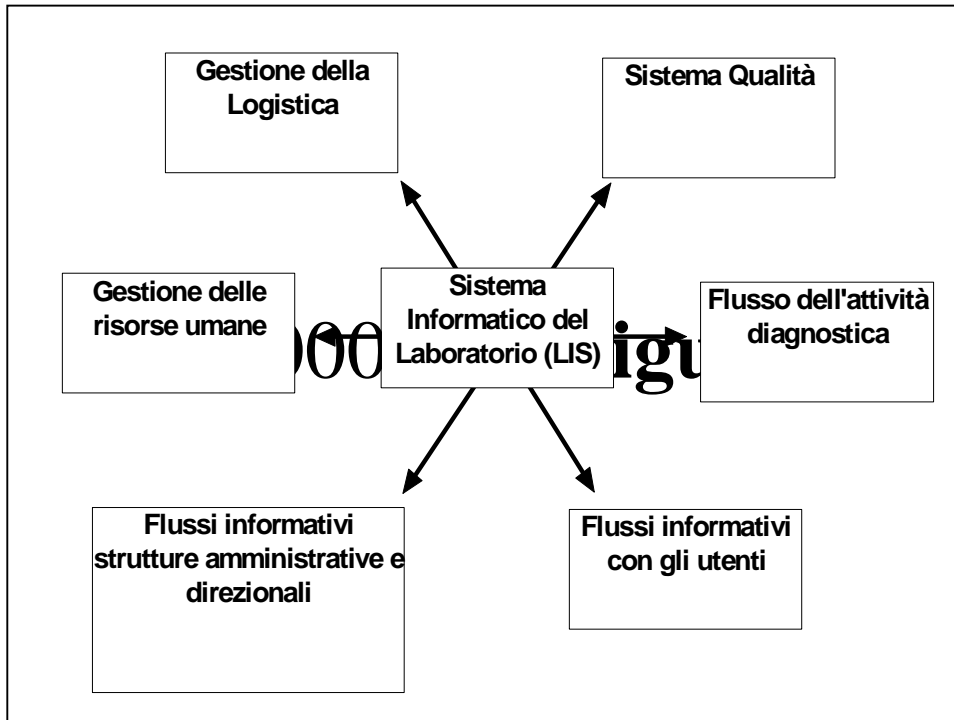
*Biochimica Clinica e Biologia Molecolare Clinica:
automazione ed informatica in Biochimica Clinica
area D SSD BIO/12 ex E05C ore 20 anno IV
-OBIETTIVO FORMATIVO: Acquisire le conoscenze informatiche per la gestione del laboratorio*


correzione, verifica e validazione dei risultati

*Marco Pradella
Castelfranco Veneto*

correzione, verifica e validazione

- ciclo, cicli e deragliamenti
- verifica e validazione nel flusso operativo diagnostico
- verifiche e algoritmi
- autoverifica





Medical laboratories

Standard framework for the development of informatic systems

DATI DI COPERTINA E PREMESA DEL PROGETTO U7200450

Laboratori medici
Norma quadro per la costruzione dei sistemi informativi

Medical laboratories
Standard framework for the development of informatic systems

DISCIPLINA: Informatica medica
COMPETENTE:
COAUTORE:

CLASSIF. ISO: 35.240.80

SOMMARIO: La norma definisce la configurazione di sistemi informativi, con relativi dispositivi e funzioni, prendendo in considerazione le applicazioni dell'informatica nell'attività di laboratorio di diagnostica medica. Essa non tratta le problematiche relative alle tecnologie analitiche e le tecnologie non in relazione con il sistema informatico. Inoltre non fa riferimento alla diagnostica decentralizzata, se non quando coinvolge il sistema informatico del laboratorio.


RELAZIONI NAZIONALI:
RELAZIONI INTERNAZIONALI:

codice progetto: U7200450

U7200450

Laboratori medici

Norma quadro per la costruzione dei sistemi informativi



ISO 15189

- “Medical laboratory services ...include arrangements for ... validation, interpretation, reporting and advice, ...”.
- **4.2 Quality management system**
 - **4.2.4** A quality manual shall describe the quality management system
 - The table of contents of a quality manual
 - (p) Validation of results.

Validazione >< Verifica

- **Validation** Confirmation by examination and provision of objective evidence that the particular requirements for a specific intended use can be consistently fulfilled. [1]
- **Validation** Confirmation, through the provision of objective evidence, that the requirements for a specific intended use or application have been fulfilled. [2]
 - [1] FDA QSR
 - [2] ISO 8402 (reference only, obsoleted by [8] ANSI/ISO/ASQ Q9000-2000 (U.S. version ISO 9000:2000);

Validazione >< Verifica

- **Verification** The act of reviewing, inspecting, testing, checking, auditing, or otherwise establishing and documenting whether items, processes, services, or documents conform to specified requirements. [1]
- **Verification** Confirmation by examination and provision of objective evidence that specified requirements have been fulfilled. [2]
- **Verification** Confirmation, through the provision of objective evidence, that specified requirements have been fulfilled. [1]
 - [1] *Quality Management and Quality Assurance - Vocabulary-ISO 8402:1994 (reference only, obsoleted by [8] ANSI/ISO/ASQ Q9000-2000 (U.S. version ISO 9000:2000));*
 - [2] *FDA Medical Device Quality Systems Manual - The Quality Systems regulation*

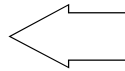
ISO 15189

3.9 Post-examination procedures

- Postanalytical phase
 - Processes following the examination including systematic review, formatting and interpretation, authorization for release, reporting and transmission of the results, and storage of samples of the examinations

CLSI GP26 – Laboratory Workflow

- Preanalytical
 - Patient assessment
 - Test request
 - Specimen collection
 - Specimen transport
 - Specimen receipt
- Analytical
 - Testing / **review**
 - **Interpretation**
- Postanalytical
 - Results reporting
 - Post-test specimen management
- Information management
 - Laboratory information system
 - Clinical application / consultation



10 QSEs apply to all stages of workflow path

CLSI AUTO10-P Vol. 26 No. 4 Autoverification of Clinical Laboratory Test Results; Proposed Guideline

- **posizione nel flusso**

AUTO10-P addresses the quality system essentials (QSEs) indicated by an "X."

Documents & Records	Organization	Personnel	Equipment	Purchasing & Inventory	Process Control	Information Management	Customer Management	Assessment	Process Improvement	Service & Satisfaction	Facilities & Safety
					X						

Adapted from CLSI/NCCLS document HS1—A Quality Management System Model for Health Care.

AUTO10-P addresses the clinical laboratory path of workflow steps indicated by an "X."

Preexamination				Examination		Postexamination	
Patient Assessment	Test Request	Specimen Collection	Specimen Transport	Specimen Receipt	Testing/Review	Laboratory Interpretation	Results Report
					X	X	X

Adapted from CLSI/NCCLS document HS1—A Quality Management System Model for Health Care.

Laboratory Workflow

