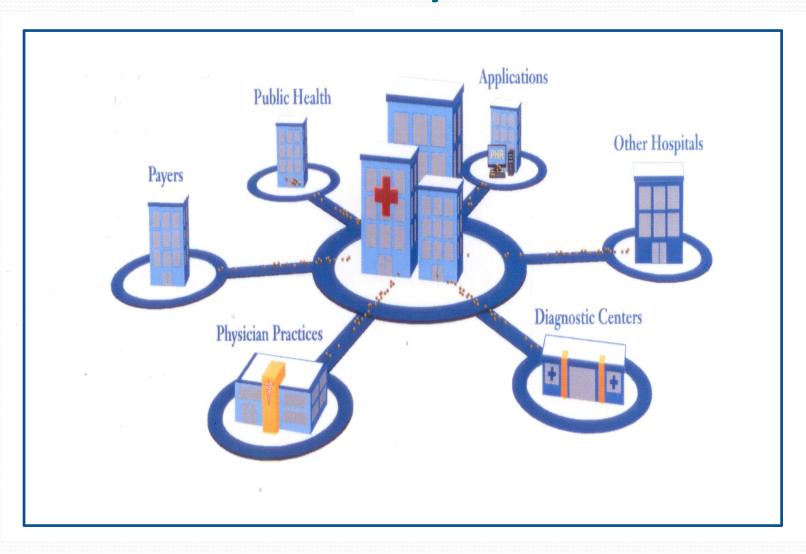
Improved healthcare services by efficient information exchange in the INSEED Project

ILEANA CONSTANTINESCU

"Carol Davila" Medical University, Bucharest

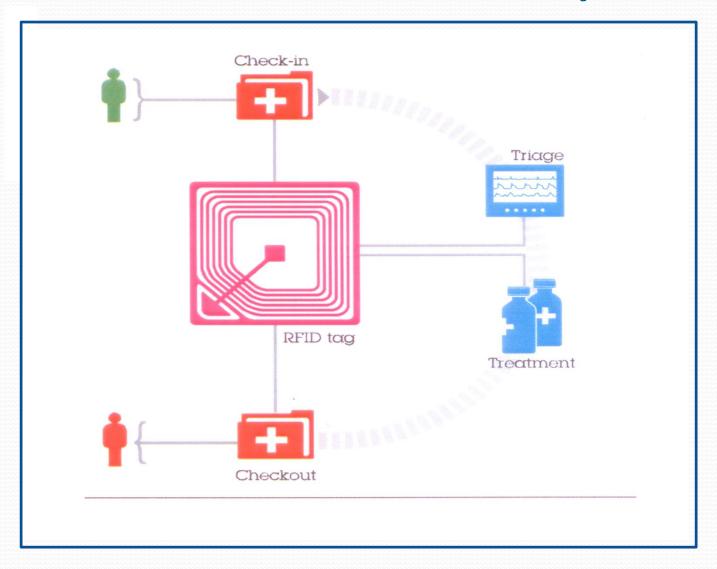
Health system



The Impact of Health Informatization in the Romanian N.H.S.

- Wards
- Out patient clinic
- Laboratories
- Pharmacy
- Operating theatres
- I.C.U
- 24 h duties
- Economic Department
- Human resources
- Statistics

Greater efficiency



Informatization in Health

Hospital — University clinic — Research

1. Monitoring the movement of the patients + costs:

- -out patient
- -admittance in the hospital
- -medical analysis
- -medical consulting
- -surgical operations
- -I.C.U
- -treatments; recoveries

2.Investigations: Echo

Rx

Endoscopies

EKG

EEG

CT

MRA

SRA

PET

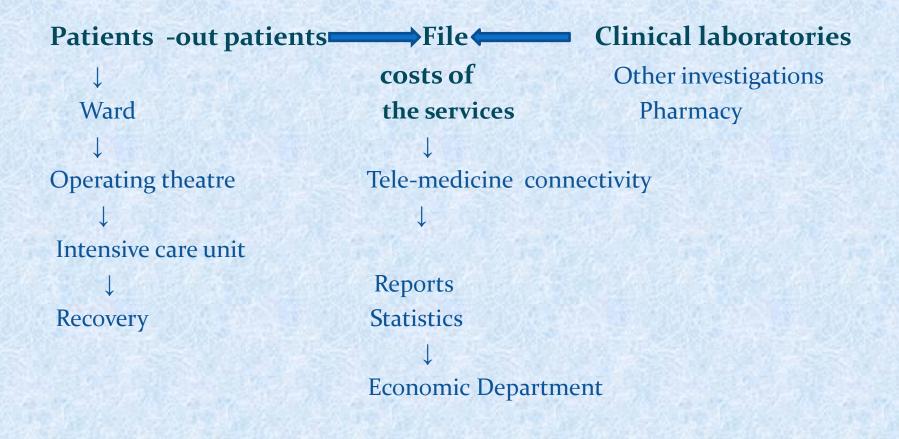
3. Externalization of patients

Informatization in Health

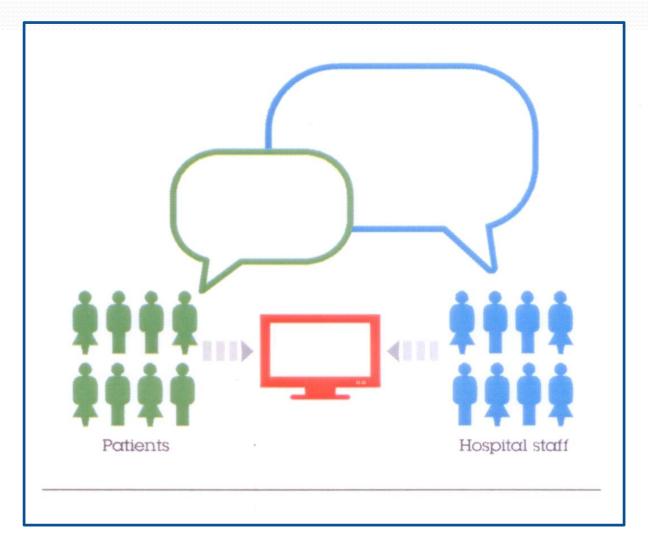
- Real time evidence of costs/ patient/ ward/ hospital
- Evidence of stocks pharmacy
 - reagents
 - food
 - consumables
 - fix items

- Salaries
- Reports
- Financial balances

Informatization in Health



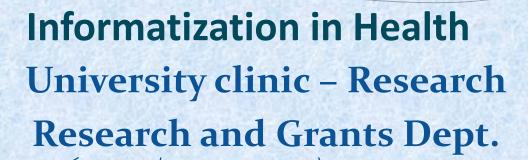
Smarter healthcare



Smarter healthcare

- Do our doctors have access to the right patient and drug information at the right time?
- Do we collaborate, not just cooperate, with other doctors, our patients and the healthcare community?
- Are our operational processes able to adapt and respond quickly to meet patients demands?
- Is our medical information stuck in silos and underutilized across the organization?
- Are we focused on the patient?

E-learning



Networks

Teaching

Scientific projects

Consulting & network audits

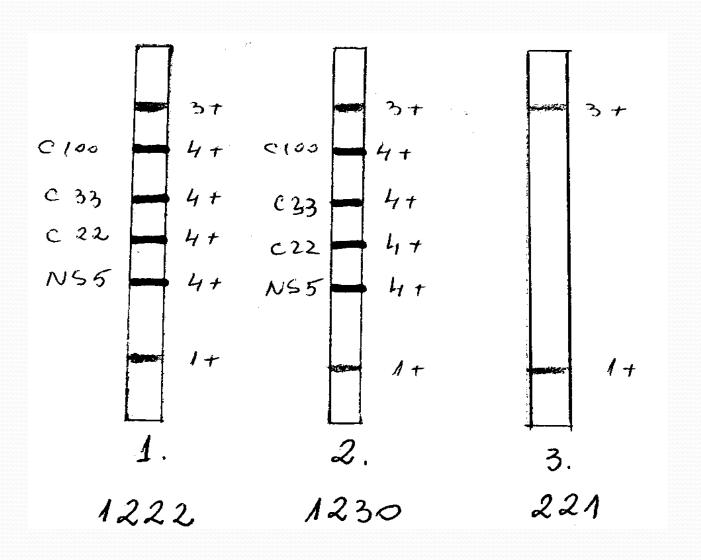
Comprehensive support

Information management (INSEED Development)

- Independent and Standards Based Technology
- Interoperability Services
- Professional Services
- Optimizing care and performance



RIBA confirmatory test for HCV



• HLA typing: Bone Marrow Tr. Unit

Liver Tr. Unit

Renal Tr. Unit

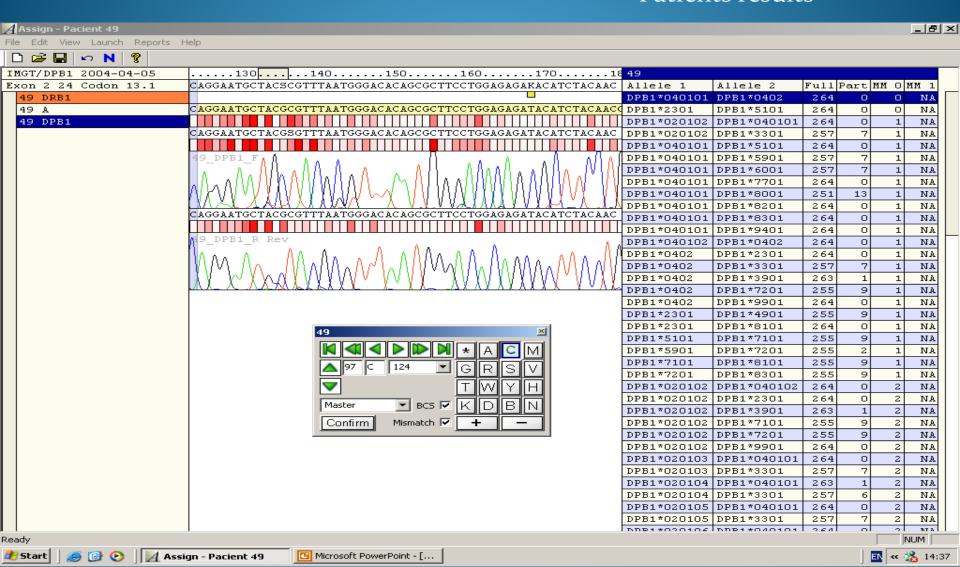
Pancreatic islets Tr. Unit

National Bone Marrow Donor Registry

Waiting list for - Bone Marrow tr.

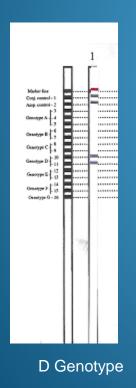
- Liver and Renal tr.

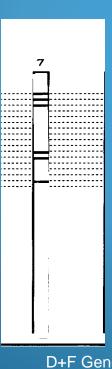
Allele SBT- new alleles- Allele SEQR typing kit Patients results

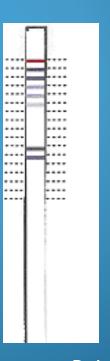


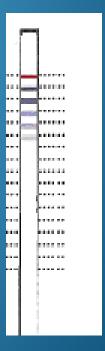
HBV genotyping in Romania

INNO - LiPA HBV, Innogenetics









D+F Genotype

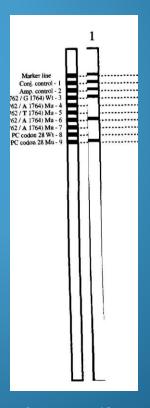
D+A Genotype

A Genotype

HBV precore – core mutants - INNO – LiPA HBV precore, Innogenetics

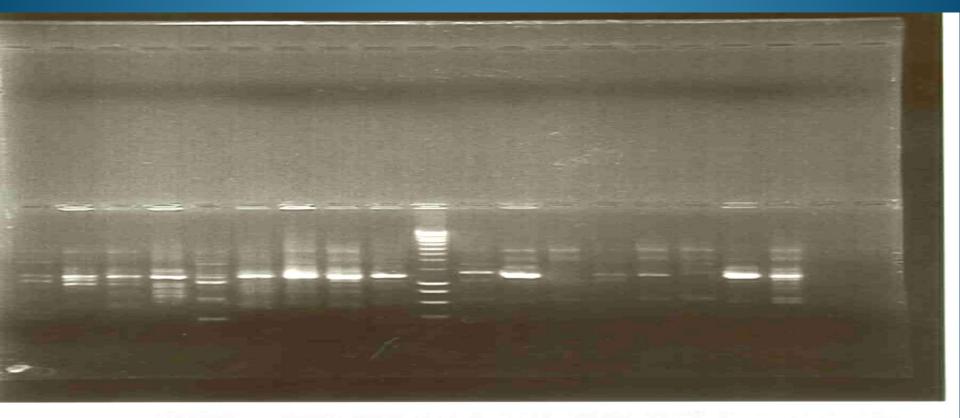


BCP A 1762/G1764 PC codon 28- no mutants



BCP A 1762/G1764 BCP T 1762/A 1764

HBV in pathogenesis of HCC



Conclusions

- Transplantation immunology is complex.
- Our Immunogenetic Centre provide expanded immunological monitoring together with virological and drug monitoring of the transplanted patients.
- Our goal is to offer **complete integrated monitoring data of our patients** and to fulfil EFI Standards. For this we need smart IT solutions in our University hospital.
- Clinical and laboratory scientists should work together as a team in order to have a complete overview of the transplanted patients.