



Biochemistry 2.0

Biochemistry Knowledge Management Knowledge Economy

Improving the Use and Interpretation of Biochemistry Information

"Knowledge society"



"The greatest challenge of this century will be to base one's work on knowledge as the previous century, where work was based on productivity"

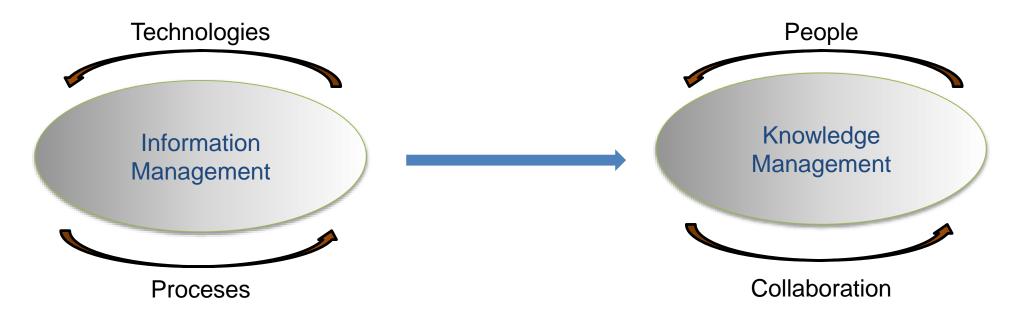
Peter Drucker

From Information Society to a Knowledge-based Society

"Information Society" refers to the increasing capacity to produce more information and spread it even more rapidly. Is based on processes and technology

"Knowledge Society" refers to the critical and selective apprehension of information interpreted by people who know how to make the most of it. Is based on people and collaboration among them

To bridge the gap between these two requires commitment from a culture based on sharing knowledge in a "Transdisciplinary approach"

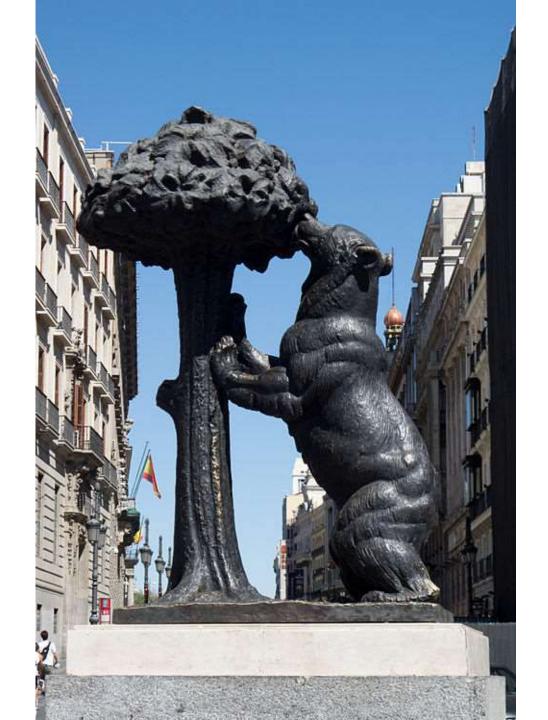


El oso y el madroño

Puerta del Sol Madrid

National Symbol of Madrid: The bear and The Strawberry Tree











Feeding the future of ifcc now!

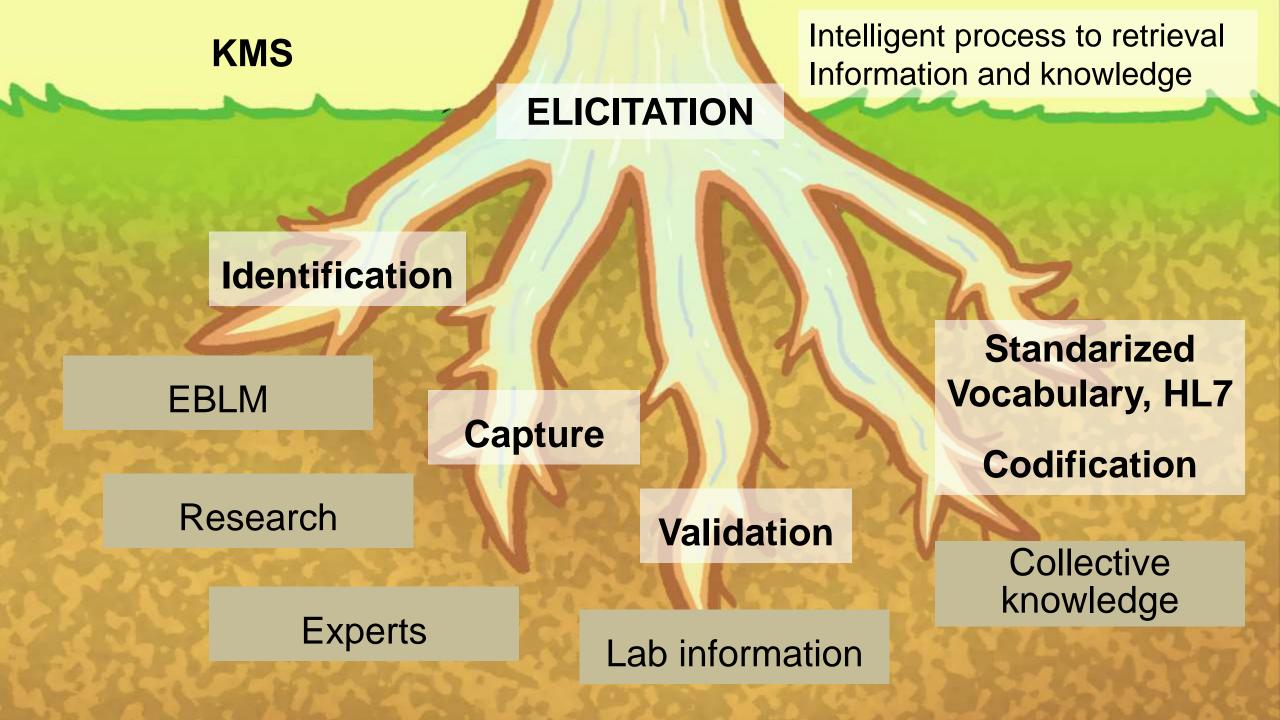
Knowledge **Management** Identification Capture Validation Codification Storage Socialization **Utilization** and Continuous improvement from the community's collective cognition to a place that helps produce better results.

Fruit: Knowledge

ICTs

Conect the knowledge uptake and knwolodge use

Collective cognition



- Widespread use of Evidence-Based Laboratory Medicine
- Improve the use and interpretation of information
- Help doctors make better decisions
- Improve the role and influence of medical laboratory in healthcare team
- Improve contact with patients.
- Improve translation from science to practice
- Improve knowledge translation from expert to the non expert.

ICTs

Blog

Consumer Toolkit

Contact

Get Email Updates





Patients & Families

Policy Researchers & Implementers

Policymaking, Regulation, & Strategy

Research & Innovation Privacy & Security Policy

ONC Health IT Certification Program

Interoperability

HITECH Programs & Advisory Committees

HealthIT.gov) For Policy Researchers & Implementers) HITECH Programs & Advisory Committees



HITECH Programs & Advisory Committees

Topics in This Section

Health IT Adoption Programs

Federal Advisory Committees (FACAs)

State Health Information Exchange

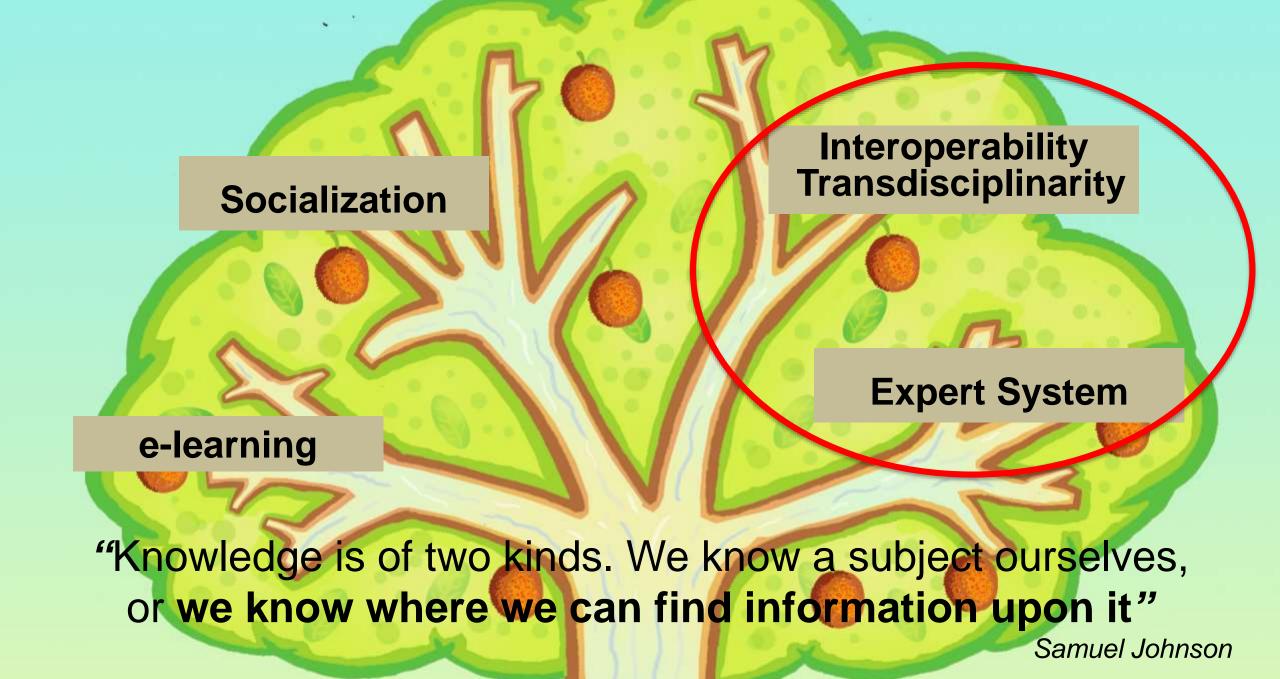
Exemplar HIE Governance Entities

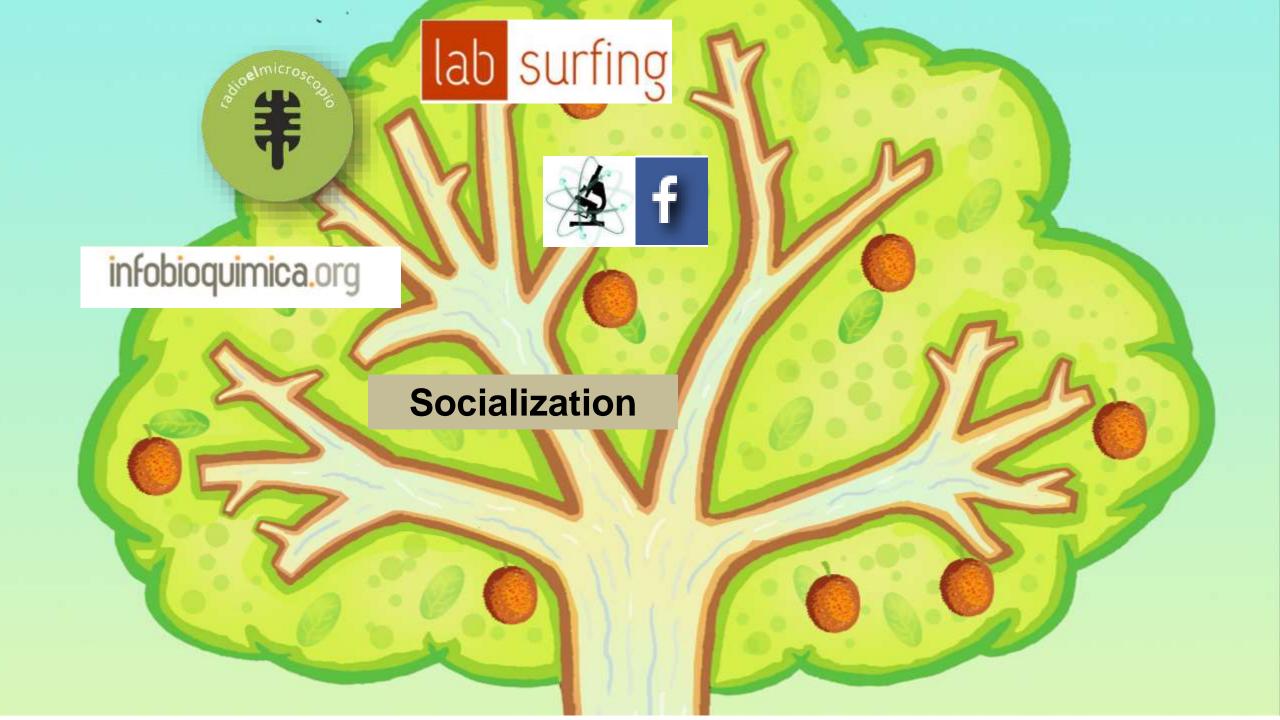
Shaping the Future of Health IT

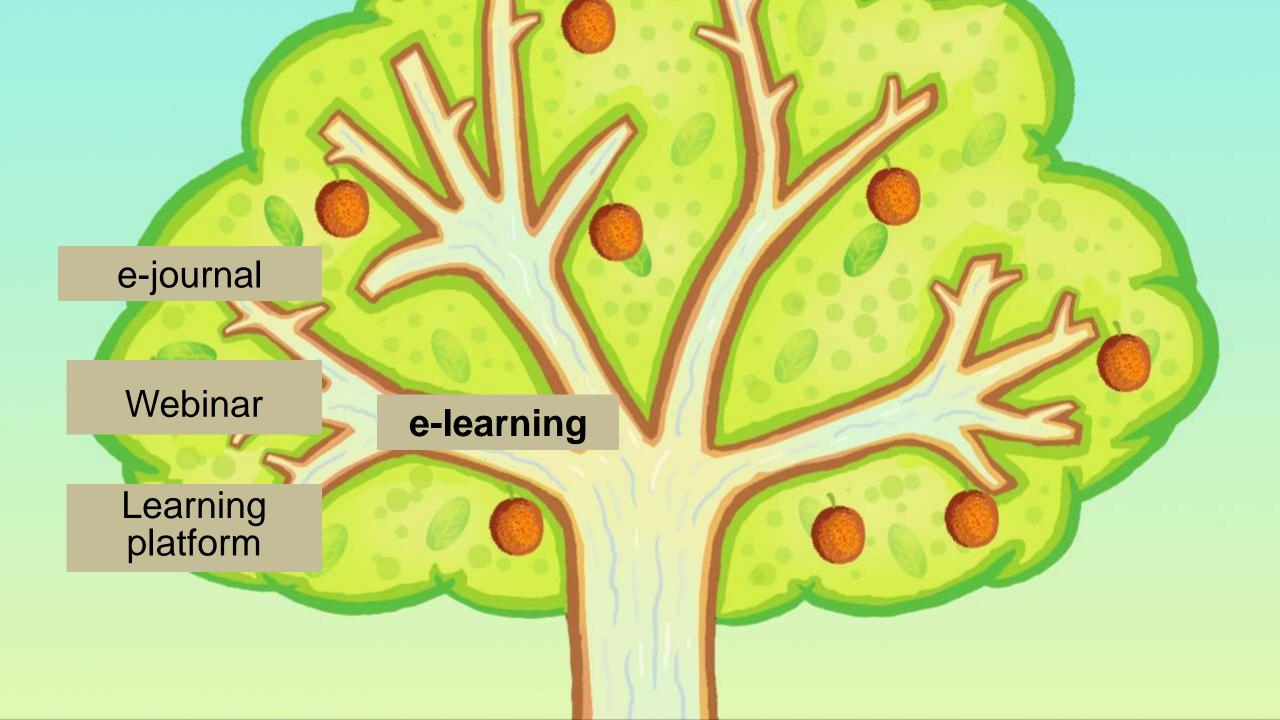
The Health Information Technology for Economic and Clinical Health (HITECH) Act seeks to improve American health care delivery and patient care

through an unprecedented investment in health information technology.











Reports & Data - Too

Tools & Resources -

Multimedia

Newsroom -



Providers & Professionals

Patients & Families

Policy Researchers & Implementers

Policymaking, Regulation, & Strategy

Research & Innovation

Privacy & Security Policy

ONC Health IT Certification Program

Interoperability

HITECH Programs & Advisory Committees

HealthIT.gov > For Policy Researchers & Implementers > Policymaking, Regulation, & Strategy > Clinical Decision Support (CDS)



Policymaking, Regulation, & Strategy

Health IT Legislation and Regulations

Behavioral Health

Health IT Strategic Planning

Federal-State Healthcare Coordination

Clinical Decision Support (CDS)

Clinical Decision Support (CDS)

What is Clinical Decision Support (CDS)?

Clinical decision support (CDS) provides clinicians, staff, patients or other individuals with knowledge and person-specific information, intelligently filtered or presented at appropriate times, to enhance health and health care. CDS encompasses a variety of tools to enhance decision-making in the clinical workflow. These tools include computerized alerts and reminders to care providers and patients; clinical guidelines; condition-specific order sets; focused patient data reports and summaries; documentation templates; diagnostic support, and contextually relevant reference information, among other tools.

Why CDS?

CDS has a number of important benefits, including:

Federal-State Healthcare Coordination

Clinical Decision Support (CDS)

- CDS Activities
- CDS Implementation
- CDS Sharing

Accelerating Health Information Exchange (HIE)

Consumer eHealth

Health IT and Safety

condition-specific order sets; focused patient data reports and summaries; documentation templates; diagnostic support, and contextually relevant reference information, among other tools.

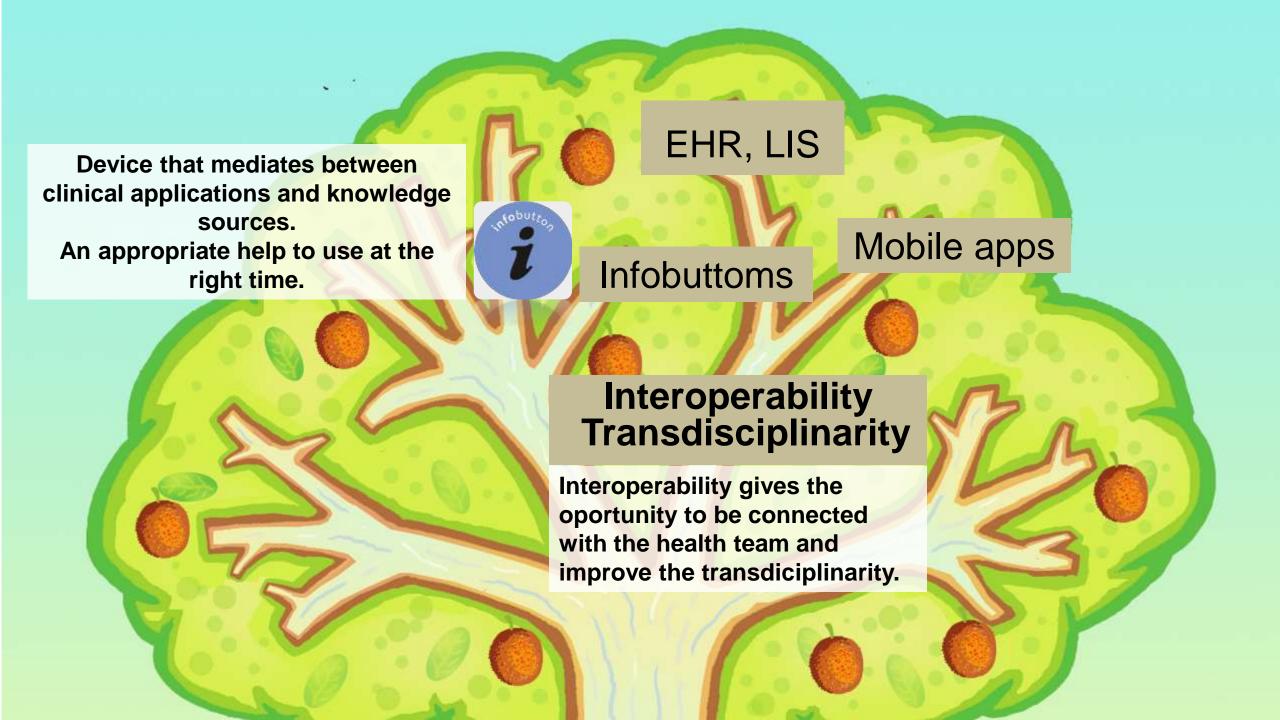
Why CDS?

CDS has a number of important benefits, including:

- Increased quality of care and enhanced health outcomes
- Avoidance of errors and adverse events
- Improved efficiency, cost-benefit, and provider and patient satisfaction

CDS is a sophisticated health IT component. It requires computable biomedical knowledge, person-specific data, and a reasoning or inferencing mechanism that combines knowledge and data to generate and present helpful information to clinicians as care is being delivered. This information must be filtered, organized and presented in a way that supports the current workflow, allowing the user to make an informed decision quickly and take action. Different types of CDS may be ideal for different processes of care in different settings.

Health information technologies designed to improve clinical decision making are particularly attractive for their ability to address the growing information overload clinicians face, and to provide a platform for integrating evidence-based knowledge into care delivery. The majority of CDS applications operate as components of comprehensive EHR systems, although stand-alone CDS systems are also used.



Guiding the Federal Health IT Agenda

ONC collaborates with the public and private sectors to develop and implement strategies to advance health IT and information use to achieve high-quality care, lower costs, a healthy population, and engaged individuals.

Learn More >





Interoperability Roadmap

ONC collaborates with the public and private sector on interoperability to enable safe and secure exchange of electronic health information to improve the nation's health.

Learn More >



What is interoperability?

The Office of the National Coordinator for Health IT is responsible for advancing connectivity and interoperability of health information technology (health IT). ONC follows the IEEE definition of interoperability as the ability of systems to exchange and use electronic health information from other systems without special effort on the part of the user.



How to add value to the Clincal Lab?



Biochemistry 2.0 is a conceptual framework that gathers together information technologies and disciplines, in order to explore and interactively communicate information and knowledge of the best available evidence for a specific patient, at the right time to improve clinical decision making and patient outcomes.

How to add value to the Clincal Lab?



The results of integrating these disciplines and the use of IT resources improve the **velocity**, **capacity and accuracy of knowledge uptake**, necessary to face the increasing complexity and growth of information generated by laboratory medicine





A knowledge economy is one that uses knowledge as the key engine of economic growth. It is an economy in which knowledge is acquired, created, disseminated, and used effectively to enhance economic development.

A modern and adequate information infrastructure that facilitates the effective communication, dissemination, and processing of information and knowledge.



Knowledge Economy





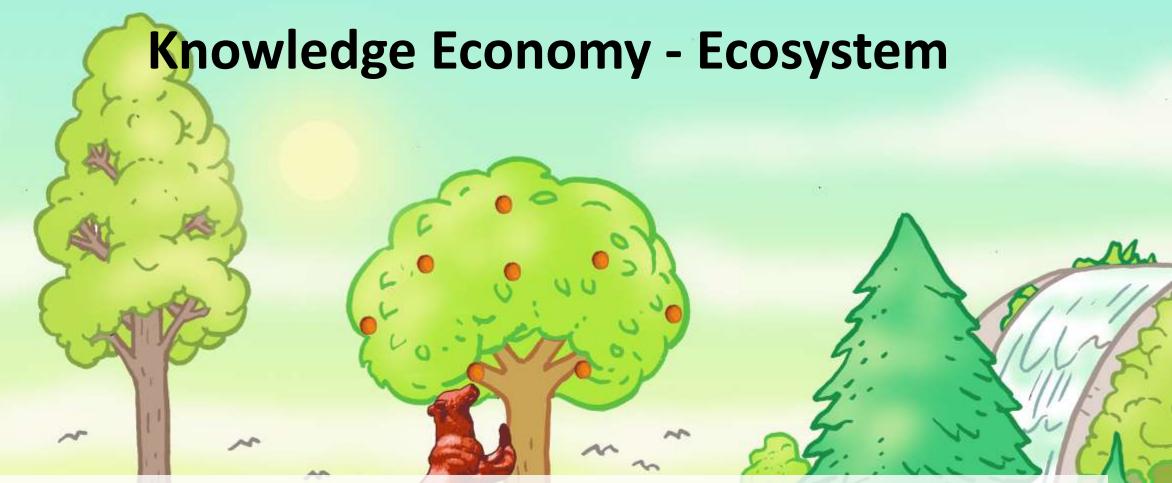
The knowledge economy is the use of knowledge to generate tangible and intangible values. Technology and in particular knowledge technology help to transform a part of human knowledge to machines. This knowledge can be used by decision support systems in various fields and generate economic values.



Knowledge Economy

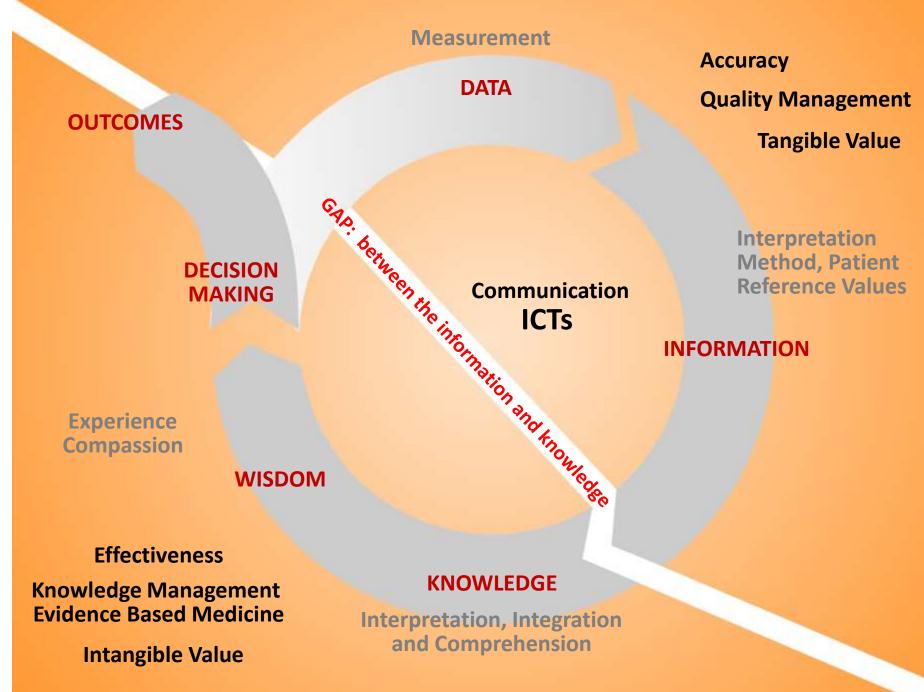


Empower the individual, medical or patients, payer or other stockholders to do better jobs, to improve the quality, reduce cost, improve the experience of the patients and also increase the compromise



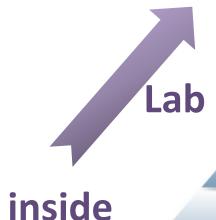
The healthcare "system" is now better understood as an ecosystem of interconnected stakeholders, each one charged with a mission to improve the quality of care while lowering its cost.

How the Clinical Laboratory adds Value to Healthcare



Challenge for the Laboratory to Enhance Health

outside



Practical Effectiveness, use and interpretation

Communication of knowledge for the specific patient at the right time

Cost Effectiveness

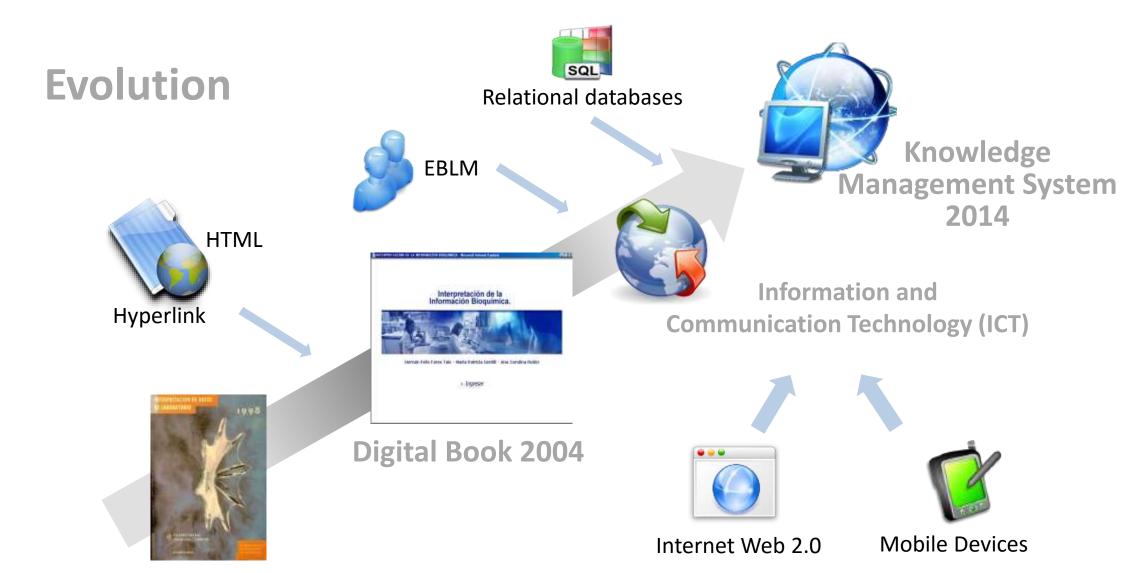
Value for money

Clinical Effectiveness

Clinical outcomes, Timeliness, Patient focus

Continuous Quality Improvement

Analytical, pre-post analytical, standardization and harmonization



1998 Book Data Interpretation

Certificado AR15/81840761

El sistema de gestión de



Laboratorio Bioquímico Mar del Plata S.A.

Rivadavia 3331 Mar del Plata, CP 7600, Provincia de Buenos Aires, Argentina

ha sido evaluado y certificado en cuanto al cumplimiento de los requisitos del

Protocolo Sistema de Gestión del Conocimiento Modelo Episteme[®]

Versión 2013
Para las siguientes actividades

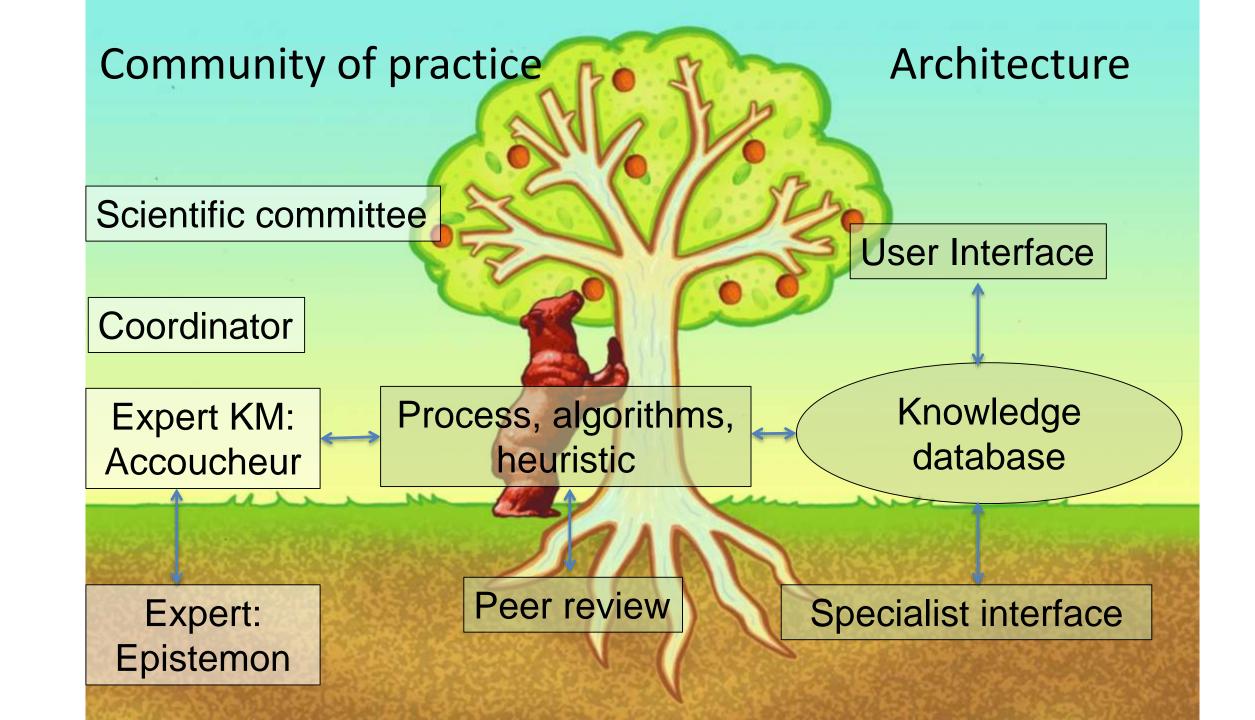
Gestión del "Conocimiento Bioquímico" a través del Proyecto Sabio, la Radio El Microscopio, el Portal Infobioquímica y las Redes Sociales; para facilitar su Uso e Interpretación en la Toma de Decisiones

relativas al Cuidado de la Salud

Este certificado es válido desde el 4 de Junio de 2015 hasta el 3 de Junio de 2018 y su validez está sujeta a auditorías de seguimiento con resultado satisfactorio Fecha de auditoría de recertificación antes de 5 de Mayo de 2018. Edición 1

Autorizado por





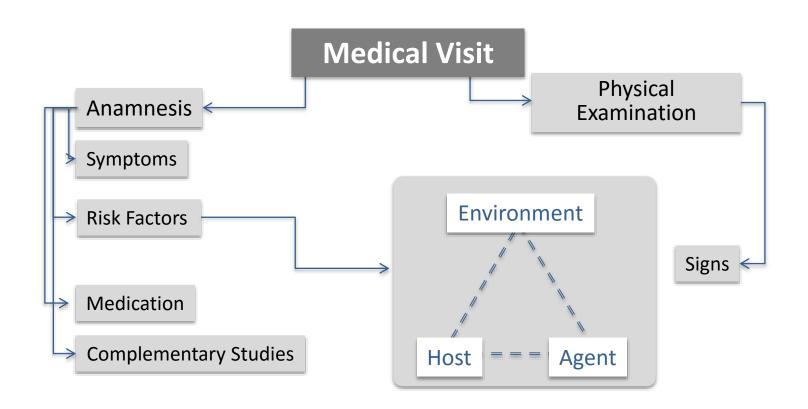
Knowledge Management Methodology

Brain storming with experts using Socrates' Maieutics.

Understand the process of decision making.

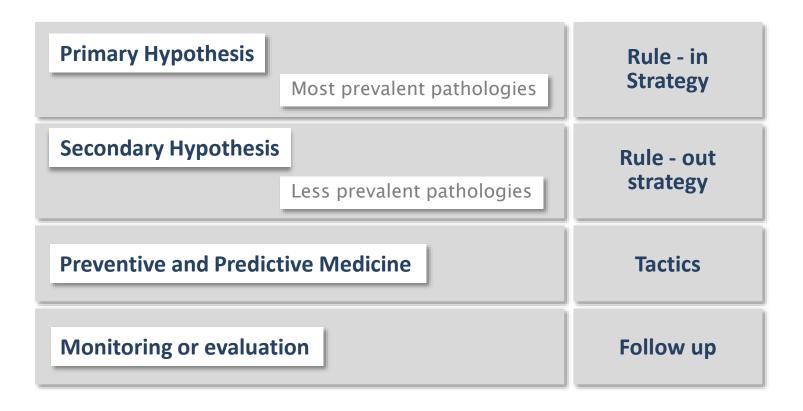
Recognize the critical points.

Focus on patients' necessities.



Medical Visit

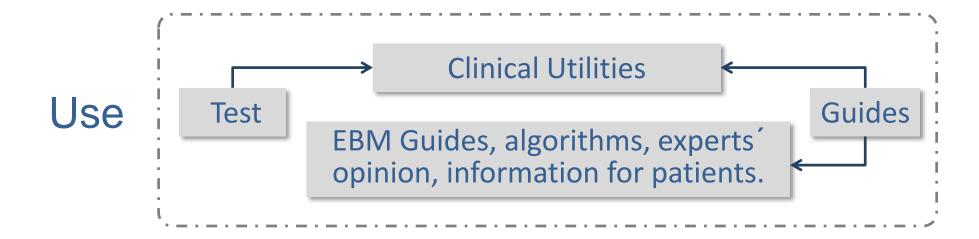
Hypothesis or pre-diagnosis



Medical Visit

Hypothesis or pre-diagnosis

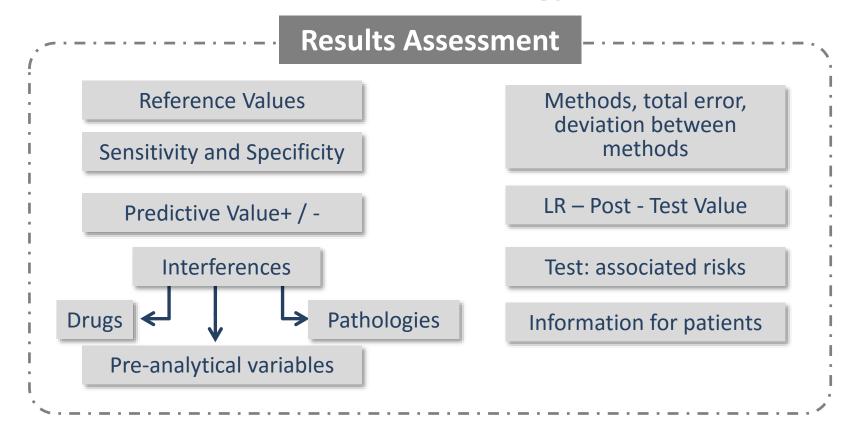
Assessment Strategy

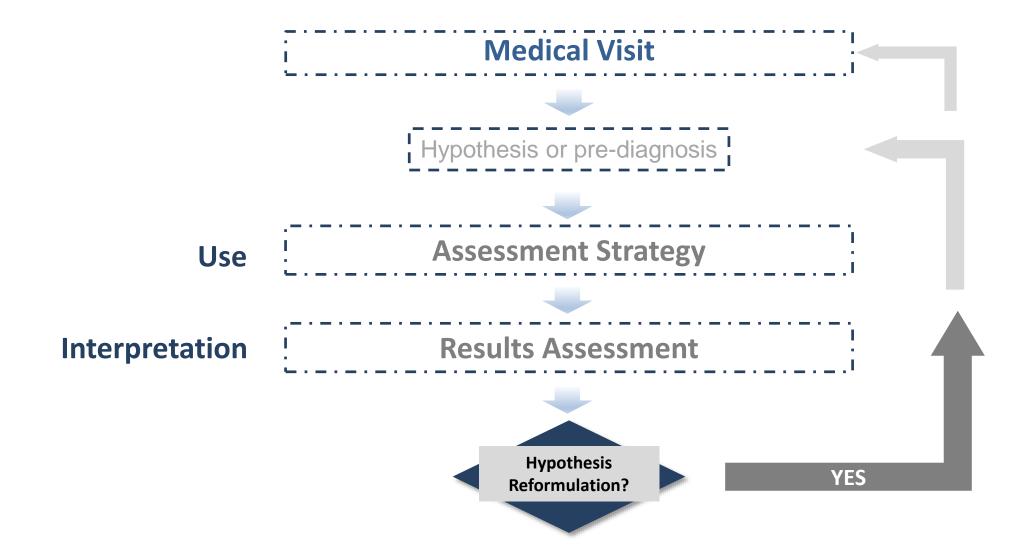


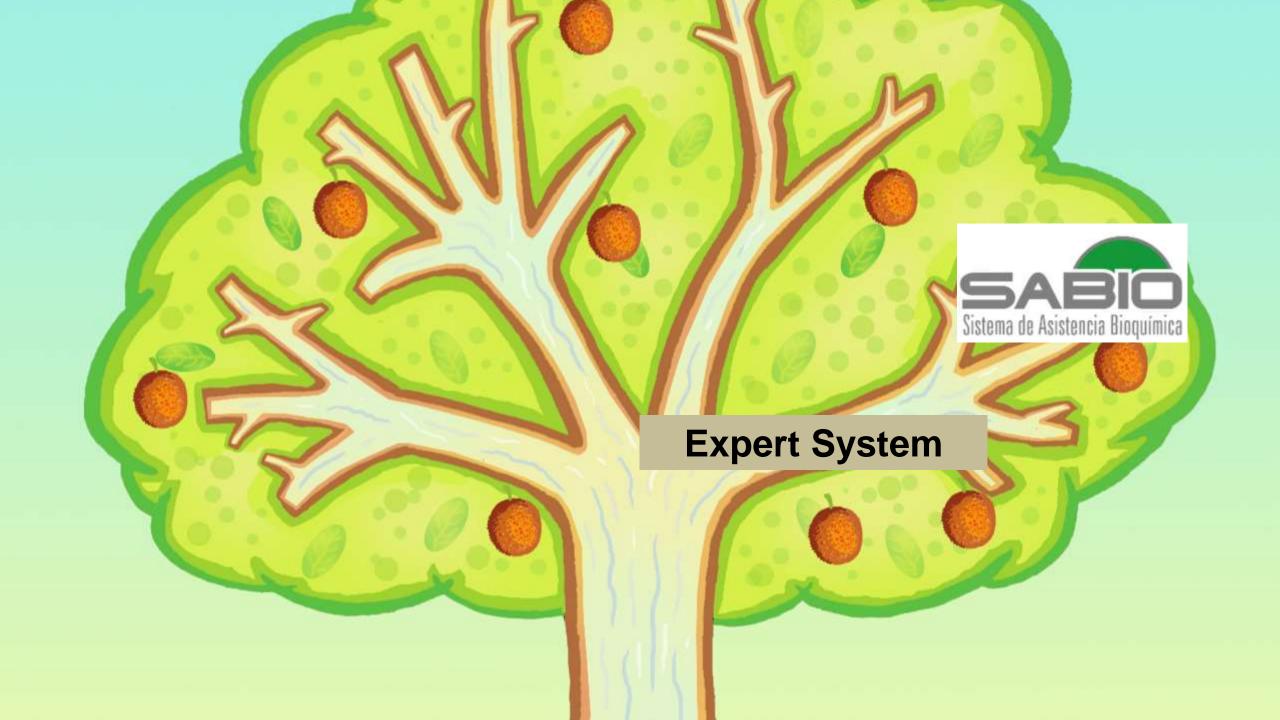
Medical Visit

Hypothesis or pre-diagnosis

Assessment Strategy











BUSCAR

BÚSQUEDAS FRECUENTES

Enfermedad Celíaca



Aclaración: actualmente el sistema el sistema se encuentra en desarrollo y dispone de información limitada. Su uso (por el momento) se encuentra orientado a la Enfermedad Celíaca y las pruebas de laboratorio relacionadas. Agradecemos que nos haga llegar sus comentarios y sugerencias para mejorarlo día a día.





- Edad
- Sexo
- Signos y Síntomas
- Factores de Riesgo
- Estudios
- Complementarios
- Medicamentos
- Otras Patologías

INFORMACIÓN GRAL.

¿QUÉ BUSCO?

- Información
- Estudios Clínicos
- Algoritmo
- Estadísticas
- Advertencias

REINICIAR

- Bibliografía
- Enlaces

















ENFERMEDAD CELÍACA

DATOS DEL PACIENTE

✓ Edad: 50 Año(s) ✓ Sexo: masculino

Signos y Síntomas

Factores de Riesgo

Estudios Complementarios

Medicamentos

Otras Patologías

INFORMACIÓN GRAL.

¿QUÉ BUSCO?

Información

Estudios Clínicos

✓ Algoritmo

✓ Estadísticas

Advertencias

REINICIAR

Bibliografía

Enlaces



Screening

Diagnóstico

¿Cómo evaluo a un paciente recien diagnosticado?

¿Cómo monitoreo al paciente diagnosticado?

¿Cómo descarto patologías asociadas?

Patologías con síntomas o resultados similares

Elija una opción:

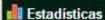
· Individuo en dieta normal

Para realizar la serología y la biopsia comer gluten al menos 6 semanas antes en más de una comida diaria

Individuo en dieta libre de gluten



Adulto



Prevalencia de su paciente 1 en 251

Agregue un test para calcular VPP y VPN







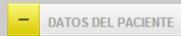




Estadísticas

🚊 – 🗸





- ✓ Edad: 50 Año(s)
- ✓ Sexo: masculino
- Signos y Síntomas
- Factores de Riesgo
- Estudios Complementarios

Anticuerpos Anti...

Positivo

Anticuerpos Anti...

- Medicamentos
- Otras Patologías

INFORMACIÓN GRAL.

¿QUÉ BUSCO?

- Información
- Estudios Clínicos
- Algoritmo
- ✓ Estadísticas
- Advertencias
- Bibliografía
- Enlaces

13	· · · · · · · · · · · · · · · · · · ·					
I	Método	Prevalencia	Sensibilidad	Especificidad	Valor Predictivo Positivo	Valor Predictivo Negativo
I	prueba de ELISA	0.40%	93.00%	99.00%	27.11%	99.97%
		Valor Pre- Test	Sensibilidad	Especificidad	Valor PostTest Positivo	Valor PostTest Negativo
I	Valor modificable de acuerdo a método y	0.40 %	93.00 %	99.00 %	27.19%	0.03%

Anticuerpos Antiendomisio IqA

Prevalencia de su paciente: 1 en 251 🕖

Anticuerpos Antitransglutaminasa IgA

Método	Prevalencia	Sensibilidad	Especificidad	Valor Predictivo Pesitivo	Valor Predictivo Negativo
Inmunofluorescencia indirecta	0.40%	95.00%	99.00%	27.54%	99.98%
	Valor Pre- Test	Sensibilidad	Especificidad	Valor PostTest Positivo	Valor PostTest Negativo
Valor modificable de acuerdo a método y prevalencia	0.40 %	95.00 %	99.00%	27.62%	0.02%

Según los resultados de los test:

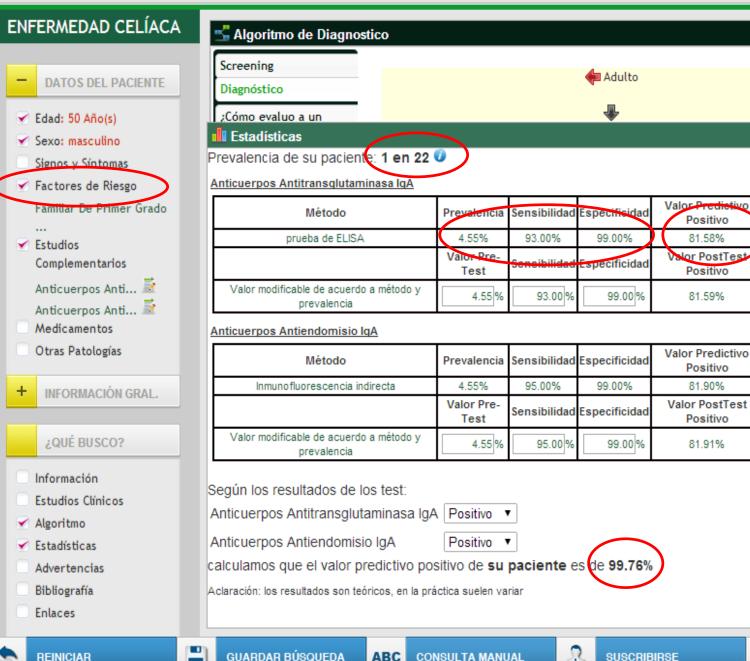
Anticuerpos Antitransglutaminasa IgA | Positivo 🔻

Anticuerpos Antiendomisio IgA

Positivo ▼

calculamos que el valor predictivo positivo de su paciente es de 97.25%

Aclaración: los resultados son teóricos, en la práctica suelen variar













<u>#</u> - +

Valor Predictivo

Negativo

99.66%

Valor PostTest

Negativo

0.34%

Valor Predictivo

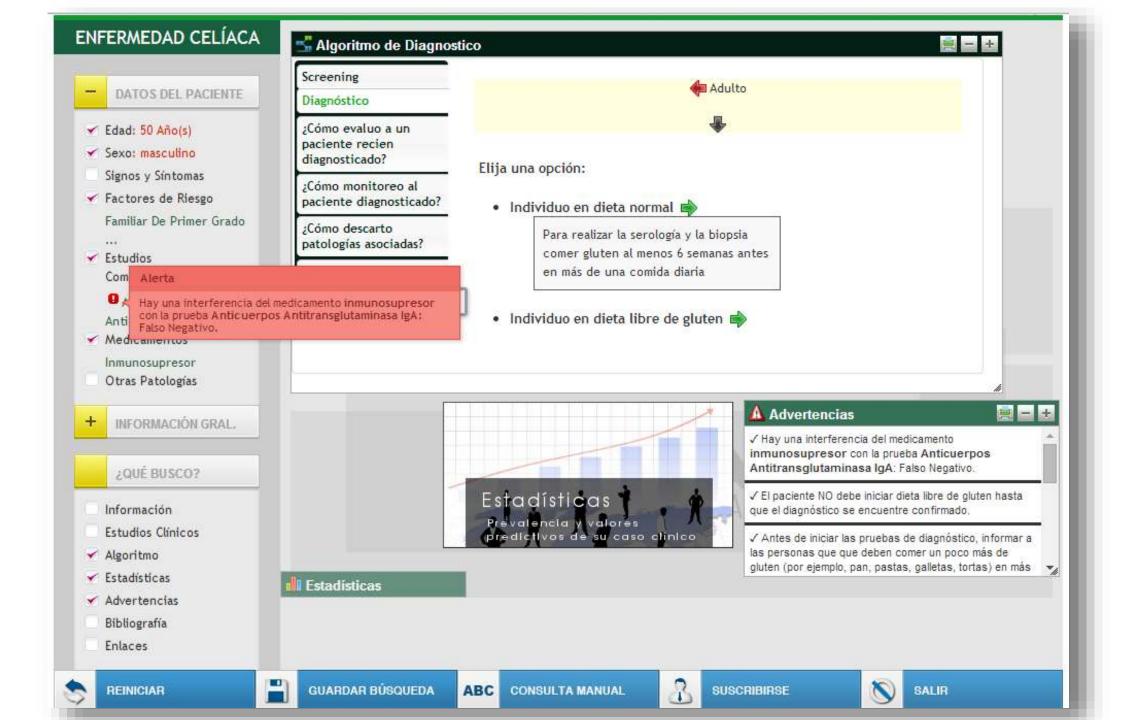
Negativo

99.76%

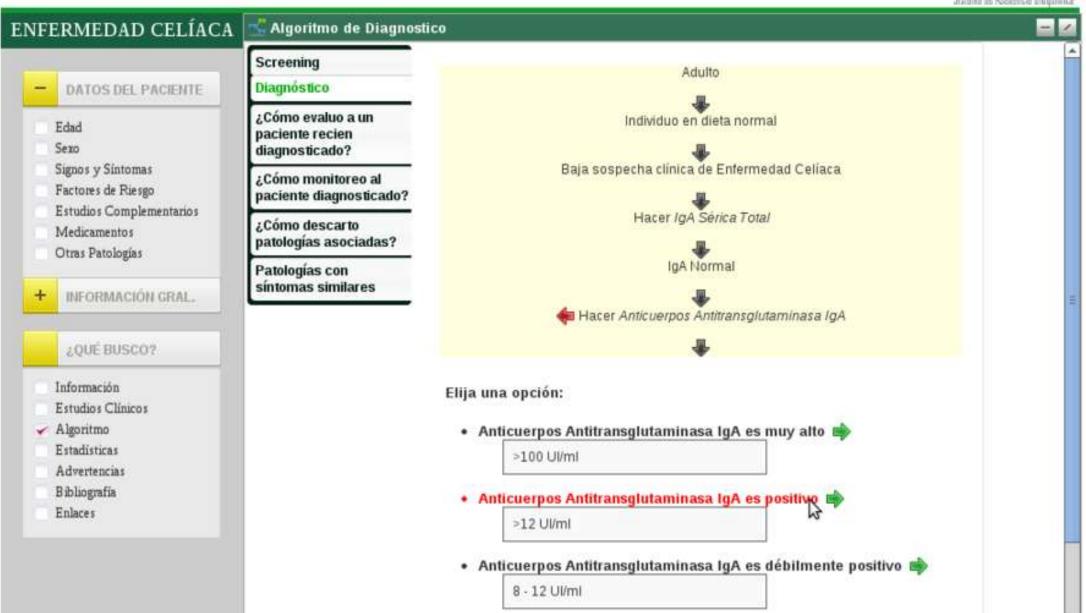
Valor PostTest

Negativo

0.24%







A male and a male and a male and a state and a male and



ENFERMEDAD CELÍACA Algoritmo de Diagnostico patologias asociadas? IgA Normal Patologías con DATOS DEL PACIENTE síntomas similares Hacer Anticuerpos Antitransglutaminasa IgA Edad Sexo Anticuerpos Antitransglutaminasa IgA es positivo Signos y Síntomas Factores de Riesgo Estudios Complementarios Hacer determinación de nivel anticuerpo IgA endomisial Medicamentos Otras Patologías Anticuerpo Antiendomisio IgA es Positivo INFORMACIÓN GRAL. hacer Biopsia de Duodeno ¿QUÉ BUSCO? 📤 Biopsia: Marsh estadio 0 o l Información Estudios Clinicos ✓ Algoritmo Le sugerimos: Estadísticas Advertencias Bibliografia Resultados de la Biopsia inconsistentes con la Serología. El racácter parcheado de las lesiones obliga a tomar varias Enlaces muestras (4-6) de la 2da-3ra porción duiodenal o yeyunal para aumentar la probabilidad de detectar cambios morfológicos compatibles. Hacer HLA DQ2 y DQ8 🐞

ENFERMEDAD CELÍACA DATOS DEL PACIENTE Edad Sexo Signos y Síntomas Factores de Riesgo Estudios Complementarios Medicamentos Otras Patologías INFORMACIÓN GRAL. ¿QUÉ BUSCO? Información Estudios Clínicos ✓ Algoritmo Estadísticas Advertencias Bibliografia Enlaces

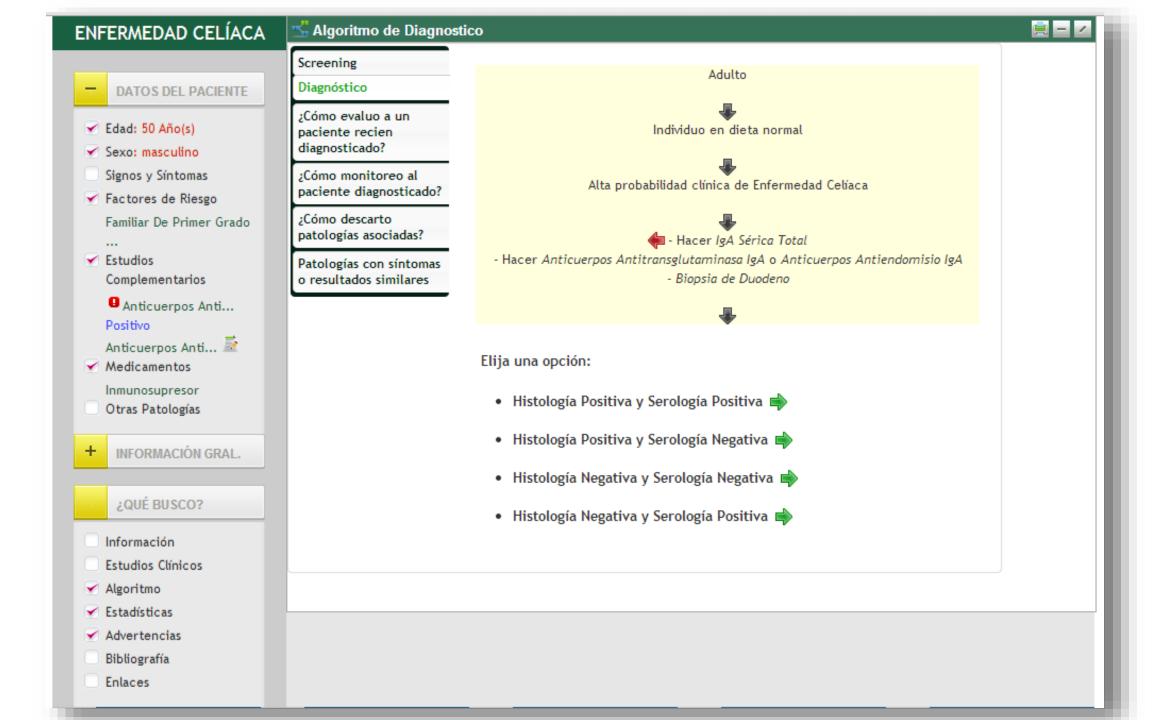


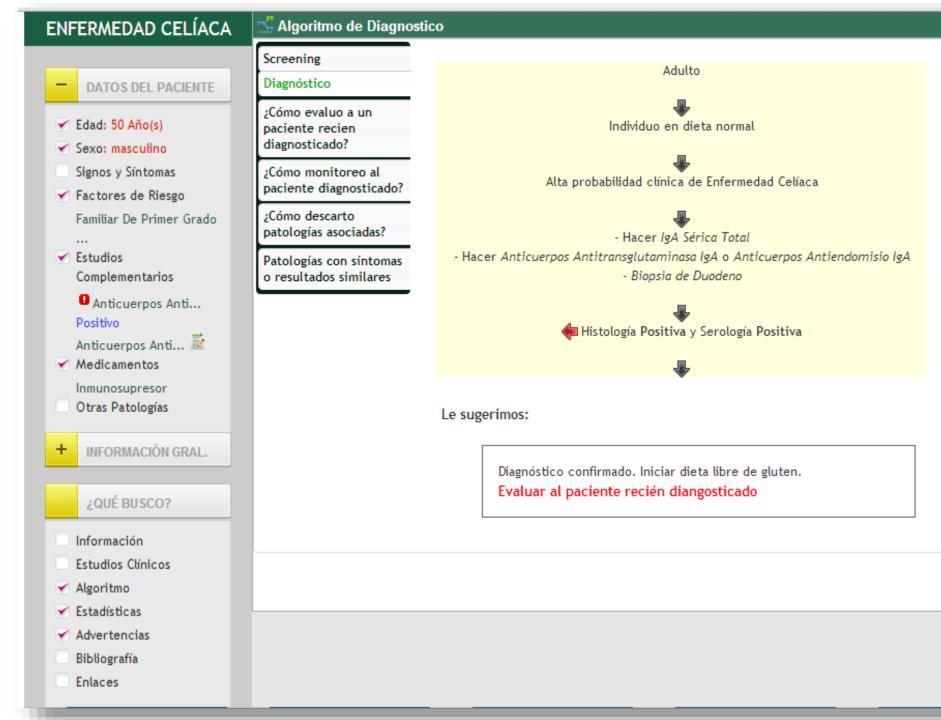
REINICIAR















- ✓ Edad: 50 Año(s)
- ✓ Sexo: masculino
- Signos y Síntomas
- ✓ Factores de Riesgo Familiar De Primer Grado
- ✓ Estudios Complementarios
 - Anticuerpos Anti...

Positivo

Anticuerpos Anti...

Negativo

✓ Medicamentos

Inmunosupresor

- Otras Patologías
- INFORMACIÓN GRAL.

¿QUÉ BUSCO?

- Información
- Estudios Clínicos
- ✓ Algoritmo
- Estadísticas
- ✓ Advertencias

Algoritmo de Evaluación y/o Pronóstico

¿Cómo evaluo a un paciente recien diagnosticado?

¿Cómo monitoreo al paciente diagnosticado?

¿Cómo descarto patologías asociadas?

Patologías con síntomas o resultados similares

Referir a un nutricionista para la dieta libre de gluten 📦

Referir a un grupo de apoyo (Asociaciones Celíacas). Educación acerca de los alimentos libres de gluten.

Primera visita 1-2 semanas después de la endoscopia con el médico. Realizar seguimiento.

Control de Osteopenia / Osteoporosis

Control de deficiencias nutricionales

Monitorear por complicaciones y signos de otras enfermedades autoinmunes asociadas

Programación del monitoreo











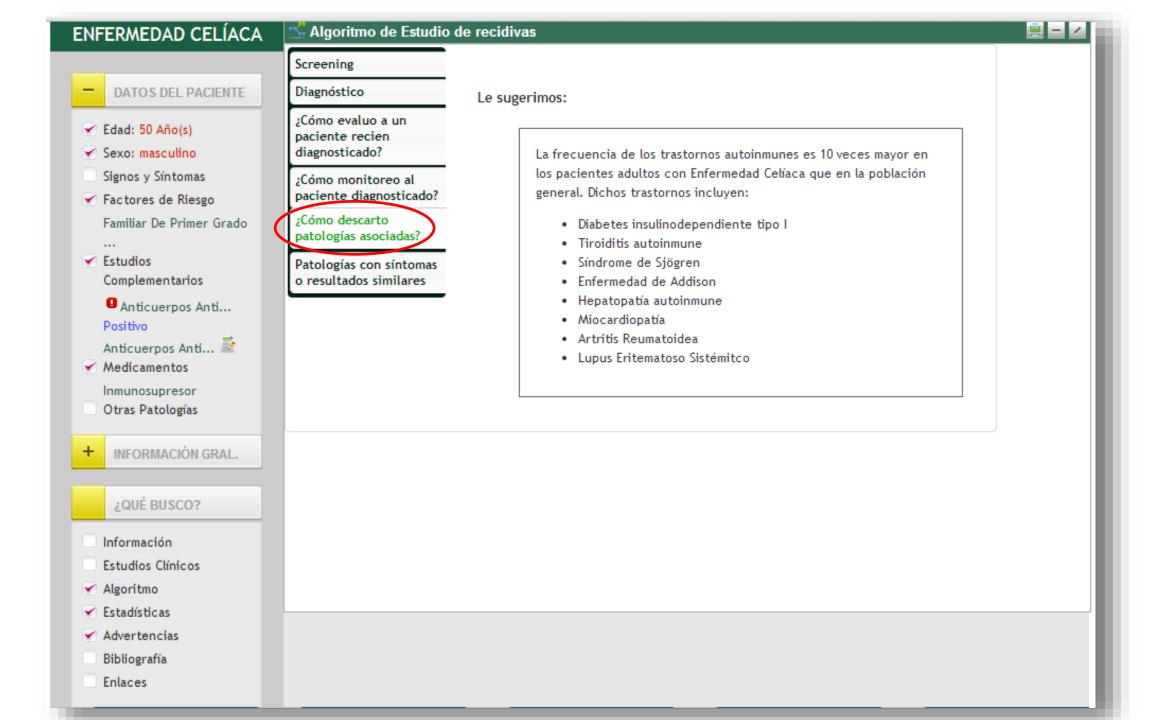






ENFERMEDAD CELÍACA 🚊 – 🖊 Algoritmo de Evaluación y/o Pronóstico Screening Control de Osteopenia / Osteoporosis DATOS DEL PACIENTE Diagnóstico ¿Cómo evaluo a un ✓ Edad: 50 Año(s) paciente recien diagnosticado? ✓ Sexo: masculino Elija una opción: Signos y Síntomas ¿Cómo monitoreo al paciente diagnosticado? Controlar: ✓ Factores de Riesgo - DMO: Densidad Mineral Osea ¿Cómo descarto Familiar De Primer Grado patologías asociadas? - Parathormona (PTH) - Calcio Estudios Patologías con síntomas - Fosforo Complementarios o resultados similares - Vitamina D Anticuerpos Anti... En niños controlar la evolución del crecimiento y desarrollo. Positivo Anticuerpos Anti... Negativo ✓ Medicamentos Inmunosupresor Otras Patologías INFORMACIÓN GRAL. ¿QUÉ BUSCO? Información Estudios Clínicos ✓ Algoritmo

✓ Estadísticas✓ Advertencias





DATOS DEL PACIENTE

- ✓ Edad: 50 Año(s)
- Sexo: masculino
- Signos y Síntomas
- ✓ Factores de Riesgo Familiar De Primer Grado
- ✓ Estudios Complementarios
 - Anticuerpos Anti...

Positivo

Anticuerpos Anti...

Negativo

- ✓ Medicamentos
 - Inmunosupresor
- Otras Patologías
- INFORMACIÓN GRAL.

¿QUÉ BUSCO?

- Información
- Estudios Clínicos
- ✓ Algoritmo
- ✓ Estadísticas
- ✓ Advertencias

Algoritmo de Monitoreo de la Terapia

Diagnóstico

¿Cómo evaluo a un paciente recien diagnosticado?

¿Cómo monitoreo al paciente diagnosticado?

¿Cómo descarto patologías asociadas?

Patologías con síntomas o resultados similares

Wolver Volver

Realizar tests de seguimiento a los 6 a 12 meses de la dieta libre de gluten.



El paciente NO tiene déficit selectivo de IgA



Hacer Anticuerpos Antitransglutaminasa IgA o DGP IgA



📤 La prueba es Positiva



Le sugerimos:

- El paciente no ha adherido a la dieta sin gluten o los anticuerpos no han descendido aún.
- Retestear en 6 meses.
- Reveer la dieta. Descartar contaminación cruzada de los alimentos con gluten o presencia de gluten oculto en los mismos.
- Si persisten los sintomas se puede deber a:

Diagnostico incorrecto

Intolerancia a la lactosa o fructuosa

Intolerancia a otros alimentos

Insuficiencia pancreática

Colitis microscópica

Sobrecrecimiento bactereano

Colitis colagenosa o Sprue colagenoso



★ Estudios Clínicos





- ✓ Edad: 50 Año(s)
- ✓ Sexo: masculino
- Signos y Síntomas
- ✓ Factores de Riesgo
- Estudios
 Complementarios
 - Anticuerpos Anti...

Positivo

Anticuerpos Anti...

Positivo

- ✓ Medicamentos
 - Inmunosupresor
- Otras Patologías



¿QUÉ BUSCO?

- ✓ Información
- ✓ Estudios Clínicos
- ✓ Algoritmo
- ✓ Estadísticas
- ✓ Advertencias
- Bibliografía
- Enlaces

- Anticuerpos Antitransglutaminasa IgA
- · Anticuerpos Antiendomisio IgA
- IgA Sérica Total
- Anticuerpos Antitransglutaminasa IgG
- Anticuerpos Antiendomisio IgG
- Antitransglutaminasa / DGP (IgG + IgA)
- HLA DQ2 y DQ8
- biopsia de duodeno
- · Anticuerpos anti Péptidos de gliadina Deaminados (DGP) IgA
- · Anticuerpo Antigliadina IgA
- Anticuerpos anti Péptidos de gliadina Deaminados (DGP) IgG
- Anticuerpos anti transglutaminasa 3 y 6
- Anticuerpos Antirreticulina
- Péptidos de gliadina deaminados (IgA + IgG)
- Linfocitos intraepiteliales
- Anticuerpos Antiyeyuno
- endoscopia
- Anticuerpo Antigliadina IgG
- · Anticuerpos Anti Actina



ENFERMEDAD CELÍACA Anticuerpos Antitransglutaminasa IgA Variables por Patología Variables Preanalíticas Significado Clínico Sinonimia Muestra Método Variables por Droga Valor de Referencia Utilidad Clínica DATOS DEL PACIENTE VARIABLES POR PATOLOGÍA ✓ Edad: 50 Año(s) ✓ Sexo: masculino Interferencias por Patología Signos y Síntomas ✓ Factores de Riesgo Patología: diabetes mellitus tipo I ✓ Estudios Complementarios Métodos: prueba de Elisa (Segunda Generación) Anticuerpos Anti... Efecto: Falso Positivo Positivo Peso del Efecto: Alto Anticuerpos Anti... Nivel de evidencia: Alto Positivo ✓ Medicamentos A que nivel interfiere: Analítico Descripción: principalmente cuando el ELISA usa como antigeno la transglutaminasa de cobayo 20-40% de falsos positivos Inmunosupresor Otras Patologías Patología: enfermedad cronica hepatica INFORMACIÓN GRAL. Métodos: prueba de ELISA Efecto: Falso Positivo ¿QUÉ BUSCO? Peso del Efecto: Alto Nivel de evidencia: Alto ✓ Información A que nivel interfiere: Fisiológico Estudios Clínicos ✓ Algoritmo Patología: enfermedad renal ✓ Estadísticas ✓ Advertencias Bibliografía

Enlaces



Variables por Patología Variables Preanalíticas

ENFERMEDAD CELÍACA

📕 Anticuerpos Antitransglutaminasa IgA

Significado Clínico Sinonimia Muestra Método





- Edad: 50 Año(s)
- ✓ Sexo: masculino
- Signos y Síntomas
- ✓ Factores de Riesgo
- ✓ Estudios

 Complementarios
 - Anticuerpos Anti...

Positivo

Anticuerpos Anti...

Positivo

- ✓ Medicamentos
 - Inmunosupresor
- Otras Patologías



¿QUÉ BUSCO?

- ✓ Información
- Estudios Clínicos
- ✓ Algoritmo
- Estadísticas
- ✓ Advertencias
- Bibliografía
- Enlaces

MUESTRA

Muestras

Muestra: muestra de sangre entera

Valor de Referencia Utilidad Clínica

Métodos: Test rapido

Condición preanalítica: El paciente debe estar ingiriendo gluten ,de no ser asi debe ingerirlo por lo menos 3 meses. No usar

Variables por Droga

los test serologicos en infantes antes que se haya introducido el gluten a la dieta.

Indicaciones de la toma de muestra: Sangre entera ,o suero

Muestra: muestra de suero

Métodos: Test rapido

Condición preanalítica: El paciente debe estar ingiriendo gluten ,de no ser asi debe ingerirlo po lo menos 3 meses. No usar

los test serologicos en infantes antes que se haya introducido el gluten a la dieta.

Indicaciones de la toma de muestra: Sangre entera ,o suero

Muestra: muestra de suero Métodos: prueba de ELISA

Condición preanalítica: El paciente debe estar ingiriendo gluten, de no ser así debe ingerirlo por lo menos 3 meses. No usar los test serologicos en infantes antes que se haya introducido el gluten a la dieta.

Indicaciones de la toma de muestra: Suero

Procesar / Derivar muestra: Suero estable 5 días a 4 °C ,por mas tiempo colocar a 20 °C

Descripción: La enzima transglutaminasa tisular pegada en el ELISA es de higado de cobayo Inicialmente se utilizo esta transglutaminasa, apareciendo falsos positivos en diversas enfermedades, principalmente en hepatopatias



✓ Estudios Complementarios

Anticuerpos Anti...

Positivo

Anticuerpos Anti...

Positivo

✓ Medicamentos

Inmunosupresor

Otras Patologías

INFORMACIÓN GRAL.

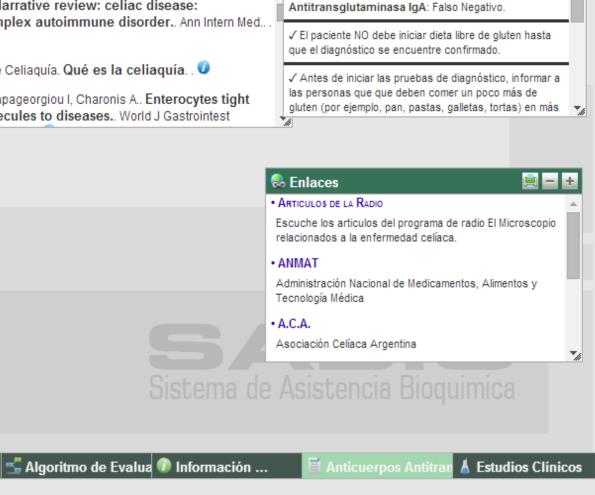
¿QUÉ BUSCO?

- ✓ Información
- Estudios Clínicos
- ✓ Algoritmo
- Estadísticas
- ✓ Advertencias

REINICIAR

- ✓ Bibliografía
- ✓ Enlaces





Advertencias

√ Hay una interferencia del medicamento inmunosupresor con la prueba Anticuerpos





Estadísticas

<u>=</u>

Clinical Decision Suport

Specific Algorithms for each patient

Advice about pre and post analytical studies

Warning about patient security

Interference alarms

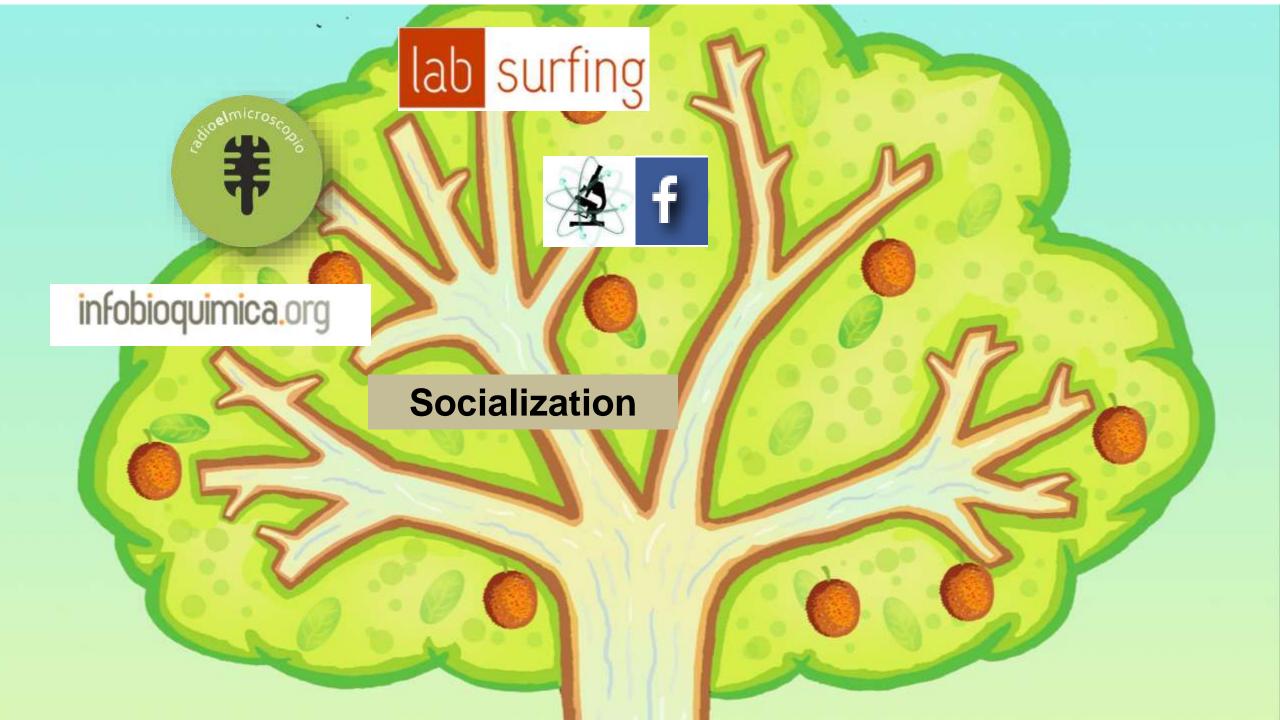
Prevalence, PV positive and negative

Calculation of pretest and posttest values, LR

Sources of access to information

Clinical Decision Suport

In future, healthcare providers will be assisted by clinical decision support systems to provide a more consistent and evidence-based level of care





infobioquimica.org



INICIO Y RADIO EL MICROSCOPIO Y NOTICIAS Y CONOCIMIENTO Y ENGLISH

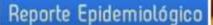
a

ÚLTIMAS ENTRADAS

Entrevista con Claudia Imperiali (España)















Mission



"to manage biochemistry knowledge to facilitate its use and interpretation and turn it into a better tool for decision making in healthcare".

Vision



"to be a Knowledge Management Centre to improve the effectiveness of biochemistry information in healthcare systems".

Objectives



Spread new scientific and technological research.

Spread Evidence Based Laboratory Medicine Practice.

And Knowledge Management System to improve healthcare and life quality of our community.

Objectives



Promote the new role of the laboratory in healthcare.

Strengthen links with professionals of Ibero America.

Promote Biochemistry contribution to healthcare.

Objetives



Spread multicentric projects.

Hold debates about quality and accreditation.

Extend projects of young professionals of Ibero America.

Think together, listen to everyone's voice, look for solutions with colleagues of Ibero America.

Other topics



Agenda for congresses, conferences and courses.

Epidemiological reports.

History of remarkable scientists.

Statistics



Programmes from June 2012

223 programmes.

More than 500 interviews.

38,000 monthly downloads.

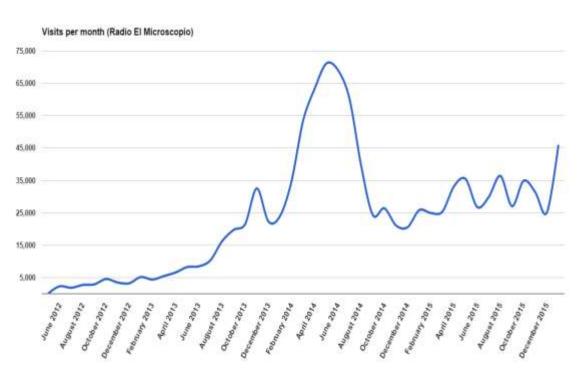
Infobioquimica.com: website visits

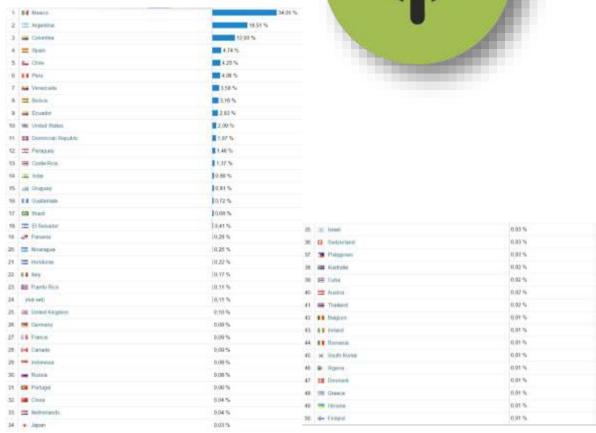
Up to March 20th 2016: more than 1,1 millon visits

85,000 monthly visits.

145.000 Facebook followers.

Visits per month & Countries





Radio El Microscopio



What do you think about the program?

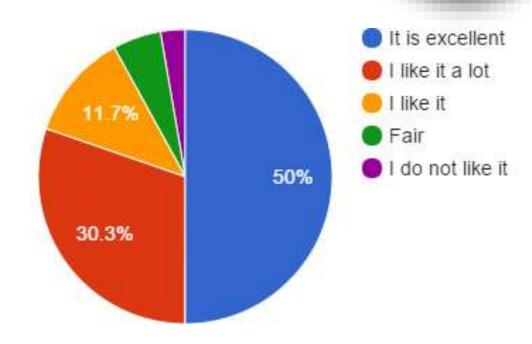
50% It is excellent

30% I like it a lot

12% I like it

5% Fair

3% I do not like it

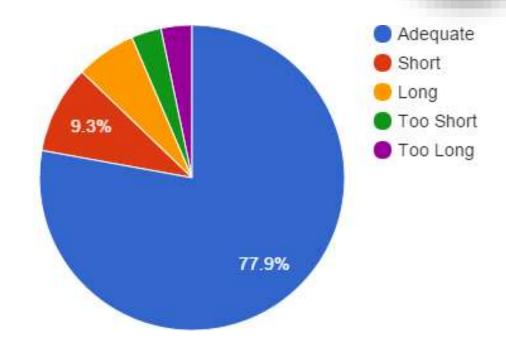


Radio El Microscopio



Timing

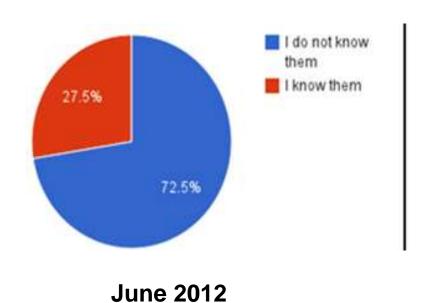
78%	Adequate
9%	Short
6%	Long
3%	Too short
3%	Too long

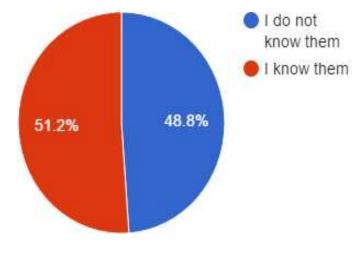


Radio El Microscopio



Do you know the activities of IFCC?



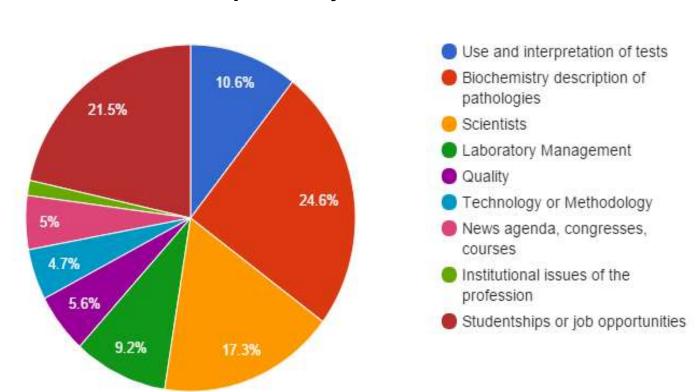


June 2015

Radio El Microscopio

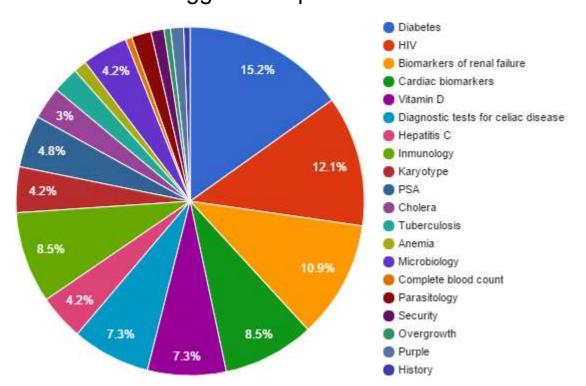
dioelmicroscopio

What topics are you interested in?



Radio El Microscopio

SurveysSuggested topics for the interviews





Correspondents



Spread programmes over their countries.

Connect the radio with Biochemistry Institutions and Universities.

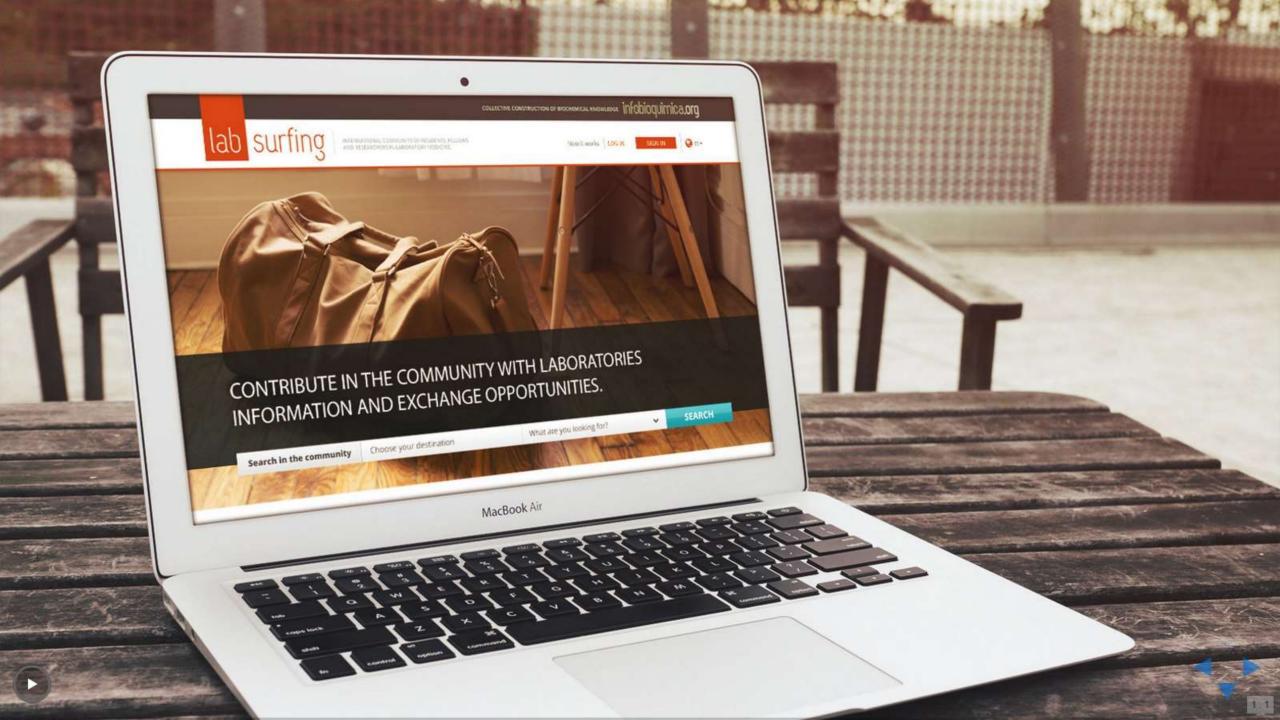
Suggest topics of interest and interviews.

Share news, projects and Biochemistry topics.

Radio El Microscopio



"El Microscopio" can be a great tool to promote the role of the laboratory, not only in our healthcare community but also in every corner of the world.





Search in the community

Choose your destination

How it works LOG IN



SEARCH





What are you looking for?



INTERNATIONAL COMMUNITY OF RESIDENTS, FELLOWS AND RESEARCHERS IN LABORATORY MEDICINE.

How it works

LOG IN





NEWS



18, 19 AND 20 MAY

VIII NATIONAL CONGRESS BIOCHEMICALS RESIDENTS AND FELLOWS

Residents Commission Biochemicals (Co.Re.Bio) is proud to present the "Eighth National Congress of Biochemicals Residents and Fellows" which will be held in Buenos Aires on 18, 19 and 20 May 2016.

We are convinced that there is nothing so constructive and enriching the exchange of ideas, knowledge and experience with colleagues, and we think a conference is the setting for this purpose.

PICTURES

VIDEOS

Nec himenaeos ut parturient primis suspendisse phasellus urna hendrerit etiam duis parturient metus varius ac nec luctus facilisis vulputate ullamcorper. A molestie felis porttitor eleifend quis aenean parturient parturient dis gravida eget accumsan mattis scelerisque iaculis. Fusce euismod vestibulum parturient venenatis nibh velit dis parturient gravida dis malesuada a mus a lorem morbi non leo accumsan. Donec cubilia placerat fusce egestas maecenas aenean nostra sagittis suspendisse parturient nibh facilisi quam diam blandit euismod a. Auctor amet per ante suspendisse lectus et vulputate inceptos rutrum elit auctor suspendisse erat euismod ut scelerisque interdum pretium sodales vivamus tincidunt curabitur cursus vehicula.

Eu sem tellus sagittis congue est vel ligula feugiat vehicula cum primis ipsum maecenas a a suscipit ornare cursus metus non nam vestibulum dolor nunc. Vestibulum fusce eros pretium magnis placerat senectus a pretium sed vestibulum nec ac feugiat ridiculus scelerisque arcu a augue aptent scelerisque urna vivamus sem ultrices. Posuere augue iaculis ad sed adipiscing cum maecenas risus sit malesuada dui elit mauris tortor urna proin vel blandit vivamus aliquet a diam gravida a sit. Elementum suspendisse nibh nec a sem ut elit tincidunt malesuada ultrices dolor suspendisse aptent eu etiam a habitasse fermentum neque parturient per hac facilisis condimentum adipiscing nostra ullamcorper volutpat.





ulsa F1

361

para salir dei modo de paritalla completa

INTERNATIONAL COMMUNITY OF RESIDENTS, FELLOWS AND RESEARCHERS IN LABORATORY MEDICINE

How it works

LOG IN

SIGN IN





LAB SURFING is a scientific community created to connect residents, fellows and researchers from all around the world.

Here you will find the right place to make an exchange programmes according to your needs, advised by locals.

It is a cooperative system where you can find a host or become a guest, share Laboratories information, touristic information, or simply exchange experiences.



CREATE & COMPLETE YOUR PROFILE.



LOOKING FOR A DESTINATION AND A SERVICE.



CONTACTS WITH THE COMMUNITY.



SHARE YOUR EXPERIENCE.



DIALOGUE WITH COLLEAGUES



About us...

In a constant evolving profession, scientists are always seeking for training and education opportunities. International exchange programmes are becoming essential and many scientists are interested in getting involved in these kind of projects.

A group of scientists identified the need to improve connection & communication among Laboratory professionals and resorted to Information & Communication Technologies (ICT's) to face this challenge.

Motivated by this idea Lab-Surfing.com was created with 3 mayor objectives: improve communication, stay connected and make exchange programmes easier.

International community of Residents, Fellows and Researchers in Laboratory Medicine.









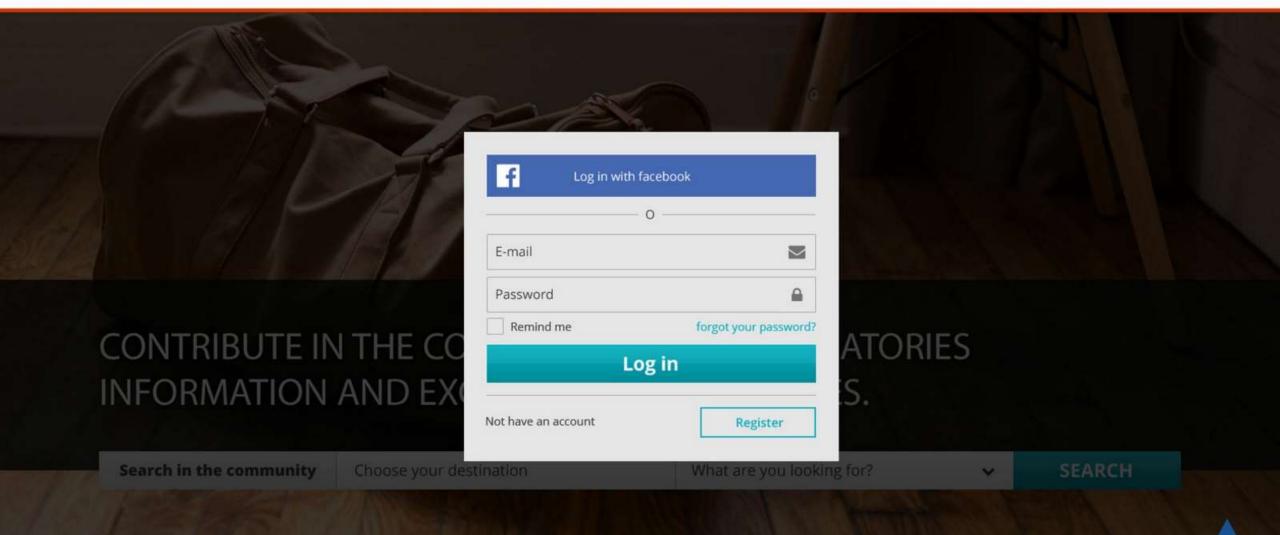


INTERNATIONAL COMMUNITY OF RESIDENTS, FELLOWS AND RESEARCHERS IN LABORATORY MEDICINE.

How it works LOG IN













Search in the community

Choose your destination

How it works LOG IN



SEARCH





What are you looking for?

INTERNATIONAL COMMUNITY OF RESIDENTS, FELLOWS AND RESEARCHERS IN LABORATORY MEDICINE.

How it works

LOG IN

SIGN IN



Destination: París, France

MAP RESULTS

CONSULT THE COMMUNITY

Q

Search: Accommodation - Information



CATHERINE ALBOU GANEM

Age: 37

Country: France Location: Paris Occupation: Resident

Workplace: Pitie-Salpetriere Hospital

MORE INFO

CONTACT



OLIVIER BARRE

Age: 32

Country: France Location: Paris Occupation: Fellow

Workplace: American Hospital of Paris

MORE INFO

CONTACT



GUILLAUME FLEURY

Age: 36

Country: France Location: Paris

Occupation: Researcher Workplace: Almanesthesie

MORE INFO

CONTACT



CATHERINE ALBOU GANEM

Age: 37

Country: France Location: Paris Occupation: Resident

Workplace: Pitie-Salpetriere Hospital

MORE INFO

CONTACT



OLIVIER BARRE

Age: 32

Country: France Location: Paris Occupation: Fellow

Workplace: American Hospital of Paris

MORE INFO

CONTACT



GUILLAUME FLEURY

Age: 36

Country: France Location: Paris

Occupation: Researcher Workplace: Almanesthesie

MORE INFO

CONTACT







INTERNATIONAL COMMUNITY OF RESIDENTS, FELLOWS AND RESEARCHERS IN LABORATORY MEDICINE.

How it works

LOG IN



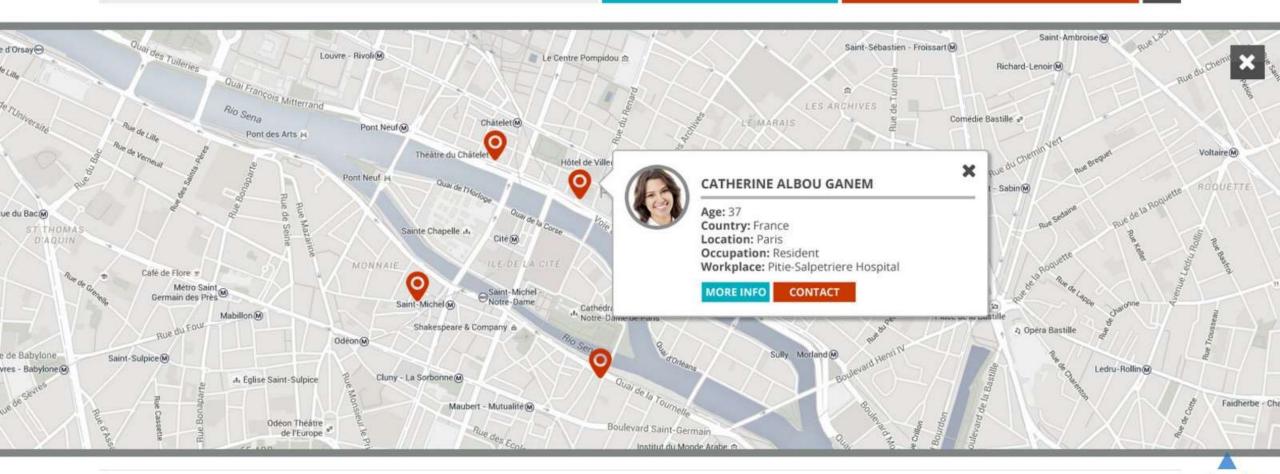


Destination: París, France | Search: Accommodation - Information

MAP RESULTS

CONSULT THE COMMUNITY

Q











OLIVIER BARRE



GUILLAUME FLEURY

Age: 36

1.11

INTERNATIONAL COMMUNITY OF RESIDENTS, FELLOWS AND RESEARCHERS IN LABORATORY MEDICINE.

How it works

LOG IN

SIGN IN



Destination: París, France | Search: Accommodation - Information

SEARCH

TRAVEL EXPERIENCES



CATHERINE ALBOU GANEM

Age: 37

Palais Garnier 4

Country: France Location: Paris

Occupation: Resident

Workplace: Pitie-Salpetriere Hospital

Ut venenatis ut cum adipiscing sociis vestibulum adipiscing a parturient adipiscing pulvinar ultrices magna per sapien nisi est hendrerit adipiscing eu suspendisse ante aliquam class. Ullamcorper vestibulum imperdiet suspendisse habitant litora justo tincidunt accumsan vestibulum nam mus non rutrum accumsan torquent inceptos feugiat risus fermentum consequat hendrerit adipiscing euismod. Dis vivamus ipsum elit parturient pharetra lacus in vivamus netus montes hac nibh gravida suspendisse aenean curae. Sapien varius aliquam adipiscing parturient sit vestibulum turpis sociis scelerisque molestie a penatibus luctus feugiat rhoncus ullamcorper mi aptent parturient a ut. Massa facilisi auctor parturient ac suscipit sem eu donec etiam a nibh a parturient adipiscing vitae. Laoreet scelerisque sagittis sed torquent adipiscing ullamcorper tristique habitasse ante dictumst morbi mi aliquam class ullamcorper a cum felis a ullamcorper cum quisque ac ornare fusce nam.

PUBLICATIONS



Strange of the Strang



Enviar Mensaje

COMMENTS

Translate comments to Spanish



2016 January
Joachim
Id sem conubia mattis venenatis
praesent pretium posuere non congue
mus mauris.



2015 December
Samira
Metus in vestibulum dis in ad felis
fringilla fames egestas pretium in
malesuada sodales.



2015 December
Anne-Caroline
Donec turpis libero nostra erat congue
morbi condimentum sapien euismod
diam ligula vestibulum.





INTERNATIONAL COMMUNITY OF RESIDENTS, FELLOWS AND RESEARCHERS IN LABORATORY MEDICINE.

How it works

LOG IN





Destination: París, France | Search: Accommodation - Information

MAP RESULTS

CONSULT THE COMMUNITY





Your query will be sent to all members of the community that appear in your search results.



Send Message



CATHERINE ALBOU GANEM

Age: 37

Country: France Location: Paris Occupation: Resident

Workplace: Pitie-Salpetriere Hospital

MORE INFO

CONTACT



OLIVIER BARRE

Age: 32

Country: France Location: Paris Occupation: Fellow

Workplace: American Hospital of Paris

MORE INFO

CONTACT



GUILLAUME FLEURY

Age: 36

Country: France Location: Paris

Occupation: Researcher Workplace: Almanesthesie

MORE INFO

CONTACT







INTERNATIONAL COMMUNITY OF RESIDENTS, FELLOWS AND RESEARCHERS IN LABORATORY MEDICINE.

COLLECTIVE CONSTRUCTION OF BIOCHEMICAL KNOWLEDGE INFOBIOQUIMICA.ORG







In the near future medical laboratories ought to be center of knowledge.





The economy of knowledge will be the key factor to push our work in the next years.





The ecosystem in health makes it necessary for our service to find an equilibrium of the budget between the growth of the new technologies of the laboratory and the real economic possibilities in order to give answers to these new advances of science.





Therefore the relation in cost benefits in the use of biochemical information and its impact in medical decisions and in the outcomes in health will be the key driver in the near future.





Very likely new generations born in the digital era are the ones that will take up this task to develop tools that will add value to laboratory medicine.





That is the reason why we are developing all of these tools of ICTs for the KM and its spreading, giving emphasis in gathering young biochemists in the world in this commitment.





KM is a new discipline which we have to learn to manage and prepare our communities of practice for the search of knowledge and make available to the stakeholders



The best way to predict the future is **to create it**.

Peter Drucker



Thank you!!





In future, healthcare providers will be assisted by clinical decision support systems to provide a more consistent and evidence-based level of care. Such systems can help reduce duplicate tests and medical errors and, in the future, facilitate the delivery of personalised medicine based on analyses of specific genetic factors which influence susceptibility to, and progression of, disease and response to potential treatments. The adoption of infocomm to enable outsourcing of certain clinical services, can also help to reduce costs while increasing quality.

More Fragmented Healthcare

Rapid advances in medical knowledge and technologies have resulted in greater specialisation of healthcare professionals.

Patients with chronic diseases typically suffer from multiple medical conditions and have to consult several doctors from different disciplines.

Professional Challenge

Learn to apprehend knowledge in the 21st century

Get into the New Era of Communication

Manage knowledge in informatics systems with standardized terminology and semantic interoperability

Change from the intellectual culture of illustration, to a culture based on sharing knowledge.

Stronger Shift towards Widespread use of Evidence-based Medicine

Information and communication technologies,
knowledge management systems,
Standardization and Interoperability
interprofessional healthcare informatics EHRs, LIS, Mobile app
And transdisciplinary work

give rise to a system intelligently designed to improve clinical decision making and provide a platform for integrating evidence-based laboratory knowledge into health care delivery.