



Quito - Ecuador

XXII

Congreso Latinoamericano de
Bioquímica Clínica
COLABIOCLI 2015



"Desde la Mitad del Mundo hacia la Bioquímica del nuevo Milenio"

COLABIOCLI CONGRESS 2015

PLACE: QUITO - ECUADOR

DATE: PRE CONGRESS: 22- 23 SEPTEMBER 2015

INTRA CONGRESS: 24-26 SEPTEMBER 2015

CONGRESS: 24-26 SEPTEMBER 2015

LOCATION: JW MARRIOTT HOTEL

SPONSORS

IFCC, AACC, WALLACE COULTER FOUNDATION, FOUNDATION Biochemistry Argentina. FBA, PNCQ, MINISTRY OF PUBLIC HEALTH OF ECUADOR, FACULTY OF CHEMICAL UNIVERSITY CENTRAL OF ECUADOR, OPS.

1.-PRE CONGRESS:

TUESDAY 22 AND WEDNESDAY 23 SEPTEMBER 2015

SOPONSOR: WALLACE COULTER FOUNDATION

Monday 21 (half day afternoon) QUITO Students (University UCE)

22 AND SEPTEMBER 23:

ADVANCED TECHNIQUES OF ANALYTICAL QUALITY

Hours: 09:00 - 18: 00h

(Wallace Coulter Foundation and AACC)

SPACE 70 people

Location: Hotel JW Marriott

Syllabus

"From Measurement Verification Procedures for Planning Internal Statistical Quality Control"

Purpose:

Provide useful and simple tools for laboratories to improve the analytical quality and raise awareness about the importance of checking the performance of the measurement procedures and Planning Internal Statistical Quality Control.

Learning Objectives:

After the workshop participants will have tools to:

- Selecting a quality requirement for each measurement procedure
- Identify critical performance parameters for each measurement procedure
- Use simple tools to assess each critical performance parameter
- Judging the performance of a measurement procedure
- Select the Internal Statistical Quality Control for each correct measurement procedure





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- Implement the scheme of Internal Statistical Quality Control planned the right way

Activity Detail:

day 1

Time Activity

9:00 to 9:15 Welcome

9:15 to 9:30 Introduction to Analytical Quality

9:30 to 10:30 Quality Requirements

10:30 to 10:45 Break

10:45 to 11:15 Verification of performance measurement procedures

11:15 to 12:15 EP 15 A2: Accuracy

12:15 to 13:15 Lunch

13:15 to 13:30 Review

13:30 to 14:00 EP 15 A2: Truth

2:00 p.m. to 2:30 p.m. A2 EP 15 "Case Study"

14:30 to 14:45 Break

14:45 to 15:45 EP 6 A: Linearity Clinic

15:45 to 16:15 EP 6 A: "Practical Case"

4:15 p.m.-17:00 C 28 A3: Reference Interval

17:00 to 17:30 C 28 A3: "Practical Case"

17:30 to 18:00 Questions and answers

day 2

Time Activity

9:00 to 9:30 Review

9:30 to 10:00 Introduction to Statistical Planning Internal Quality Control

10:00 to 10:45 "The quality control materials"

10:45 to 11:00 Break

11:00 to 11:30, "Statistics and graphics quality control"

11:30 to 12:30 "Rules of Control"; Case Study

12:30 to 13:30 Lunch

13:30 to 13:45 Review

13:45 to 14:45 "Planning Internal Statistical Quality Control"

14:45 to 15:15 Case Study

15:15 to 15:30 Break

From 15:30 to 16:30 Verification Procedures extent Statistical Planning Internal Quality Control: Glucose

From 16:30 to 17:30 Verification Procedures extent Statistical Planning Internal Quality Control: White Blood Cell Count (WBC)

17:30 to 18:00 Questions and answers

SPEAKER: DR. GABRIEL MIGLIARINO (ARGENTINA)
DR. EVANGELINA HERNANDEZ (ARGENTINA)





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2.- PRE CONGRESS

"BIOMARKERS IN CARDIOVASCULAR DISEASE AND VASCULAR BRAIN. RISK FACTORS "

SPONSORSHIP: FOUNDATION WIENER - LAB

CITY: QUITO - SEBIOCLI PICHINCHA
PROFESSIONAL: TUESDAY 22 WEDNESDAY 23
HOURS: 09:00 - 18: 00h
CAPACITY: 30 - 50 People
PLACE: College of QBFP

Agenda:

- Vascular endothelium: dysfunction
- Disestres
- Smoking habits - Hypertension: age, sex, Injury predisponentes- genes of inflammation-Stress cardiac muscle estriado-
- Peripheral Artery Disease (PAD)
- Coronary Artery Disease (E.A.C) -
- Unstable plaque
- Atherosclerosis
- carbohydrate profile - Lipid - insulin resistance
- Metabolic Syndrome - Obesity
- Glomerular endothelium - Cerebro-Vascular Accident (CVA)
- Biomarkers: specificity of each and determination.

SPEAKERS

DR. LIDA MORISOLLI (ARGENTINA)
DR. STELLA DANIELE (ARGENTINA)

INTRA CONGRESS (07H00 – 09H00)

DATE: THURSDAY 24 FRIDAY 25 AND SATURDAY 26 - September / 2015
HOURS: 07h00 – 09h 00
CAPACITY: Unlimited
LOCATION: Hotel J W Marriott





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1.-INTRA CONGRESS.

HEMATOLOGY

SPEAKER :DR. JESUS ENRIQUEZ GONZALEZ.

MEXICO

PLACE: HOTEL J. W. MARROTT

AGENDA -

24TH SEPTEMBER 2015

1. INTERPRETATION HISTOGRAMS AUTOMATED EQUIPMENT IN THE AREA OF DIAGNOSTIC HEMATOLOGY. (20 MIN)

2. erythroid

ANEMIAS hypochromic (40 MIN)

DEFICIENCY ANEMIA

Congenital sideroblastic anemia

Idiopathic sideroblastic anemia

Dyserythropoietic anemia Type II

Fanconi anemia

megaloblastic anemia

Hemolytic anemias (40 MIN)

hereditary spherocytosis

Hereditary ELIPTOSITOSIS

Hereditary pyrophosphate poikilocytosis

Ovalocytosis OF SOUTHEAST ASIA

AUTOIMMUNE hemolytic anemias

Hemolytic anemias OXIDIZERS BY G-6PDH

HEMOGLOBINS UNSTABLE

THALASSAEMIAS (40 MIN)

B thalassemia major

B-thalassemia intermedia

A-thalassemia minor

RETAIL THALASSEMIA LEPORE

E $\delta\beta$ THALASSEMIA

HEMOGLOBINOPATHIES (40 MIN)

HB-S-HOMOZYGOUS

Hemoglobin S and C

Hemoglobin H

Hemoglobin E

DAY 25 SEPTEMBER 2015

WHITE SERIES

PATHOLOGY GRANULOCYTE (30 MIN)

PATHOLOGY Pelger Guet

DISEASE-CHEDIAK BEQUEZ HIGASHI

INFECTIOUS DISEASES (80 MIN)

INFECTIOUS MONONUCLEOSIS

Plasmodium falciparum (RED SERIES)





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Plasmodium vivax (RED SERIES)
Visceral Leishmaniasis
Trypanosoma cruzi
Trypanosoma brucei
HISTOPLASMOSIS
Human Bartonellosis
SEVERE DISEASE BY pyogenic
METABOLIC DISEASES OF MACROMOLECULES hoards (70 MIN)
SANFILIPPO
DISEASE GAUCHER
Niemann Pick disease
DISEASE MAY Hegglin
HEREDIARIA DEFICIENCY OF MYELOPEROXIDASE
CISTINOCIS
hypereosinophilic syndrome

26TH SEPTEMBER 2015
LEUKEMIAS MYELOID (80 MIN)
Chronic granulocytic leukemia
Leukemia (M0)
LEUKEMIA (M1)
LEUKEMIA (M2)
Leukemia (M3)
LEUKEMIA (M4)
LEUKEMIA M4 EO
Leukemia (M5)
LEUKEMIA M5B
LEUKEMIA (M6)
Leukemia (M7)
LEUKEMIAS LYMPHOID (80 MIN)
Lymphoblastic Leukemia (L1)
Lymphoblastic Leukemia (L2)
Acute lymphoblastic Leukemia (L3)
Hairy cell leukemia
prolymphocytic leukemia
HODGKIN LYMPHOMA
Burkitt
MULTIPLE Myeloma
EXTENDED PRACTICE (20 MIN)

ANNEX I BIBLIOGRAPHICAL MATERIAL SUPPORT erythroid

- ERYTHROCYTE MORPHOLOGY
- MORPHOLOGICAL CLASSIFICATION OF ANEMIAS.
- STUDIES IN IRON ANEMIAS hypochromic.
- Interpretation HISTOGRAM.
- CHART OF HEMOGLOBIN ELECTROPHORESIS.





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ANNEX II. BIBLIOGRAPHIC SERIES WHITE HANDOUT

- CLASSIFICATION AND MARKERS myeloid and lymphoid leukemias.
- cresyl blue staining MORPHOLOGICAL BRIGHT AS ASSISTANT IN THE DIAGNOSIS OF LEUKEMIA.

ANNEX III. NEW WAY TO EXTENDED BLOOD.

2.-INTRA CONGRESS WORKSHOPS

SPONSORSHIP: PNCQ / SBAC

DATE: THURSDAY 24 - FRIDAY 25 AND SATURDAY 26 - September / 2015

HOURS: 07:00 -09: 00H

CAPACITY: Unlimited

LOCATION: Hotel J W Marriott

INTERNAL AUDITORS TRAINING

PREPARATION OF AUDITORS FOR INTERNALQUALITY CONTROL

PNCQ -SBAC

BRAZIL

Topics:

- Laboratory phases: Post-analytical - pre analytical and analytical.
Dr. Gabriel Lima de Oliveira;
- Theoretical knowledge of the internal auditor, issued by
Abol Dr. José Corrêa;
- Practical Training Audit (SIMULATION) with
participants- Drs Gabriel, Abol and Andrea.;
- computerized tool (PNCQ Manager) for the preparation of documentation for
System Quality Management, Dr Andrea Piazza

3.-INTRA CONGRESS WORKSHOPS

CONTROL INSTRUMENTAL:

SPONSOR. BIOCHEMICAL FOUNDATION ARGENTINA FBA

SPEAKER: DR. CLAUDIO DUIMOVICH

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STRUCTURE OF CONGRESS

four rooms: 3 in Spanish and English with simultaneous translation
The Congress shall have: 3 workshops and intra Congress, 12 symposia, 44 conferences, 6 plenary conferences.

HORARIO	24 DE SEPTIEMBRE	25 DE SEPTIEMBRE	26 DE SEPTIEMBRE
07h00-09h00	Workshop Intra congress	Workshop Intra congress	Workshop Intra congress
09h15-10h00	END OF REGISTRATION AND DELIVERY OF CREDENTIALS	Conference	Conference
10h00- 10h30	Conference	Conference	Conference
10h30-11h15	coffee	coffee	coffee
11h15-11h45		Simposio	symposium
11h45-12h15		Simposio	symposium
12h15- 12h45	symposium	symposium	symposium
12h45- 13h15	symposium	symposium	symposium
13h15-13h45	lunch	lunch	lunch/ Presentation of Certificates
13h45-14h00	Visit Expolab	Visit Expolab	visit expolab
14h00-14h15	Free Themes	Free Themes	Free Thems
14h15-15h00	conference	conference	conference
15h00-15h45	conference	conference	conference
15h45-16h15	coffee	coffee	coffee
16H15-17h00	plenary	plenary	plenary
17h00-17h45	plenary	plenary	plenary
17h45-18h30	Visit expolab	Visit expolab	Closing ceremony and Award posters
18h30-19h00	Opening ceremony and award free themes	Visit expolab	
20h00	DINNER SPEAKERS	LATIN PARTY	





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THE CONGRESS HAVE 12 SYMPOSIA:

Time 120 minutes each symposium

1.- SYMPOSIU (IFCC)

Dr. Maurizio Ferrari

President IFCC: International Federation
Clinical Chemistry and Laboratory Medicine

Topic: Benefits of standardization in laboratory tests.

Chair: Ian Young (UK)

- Why is it necessary? Beastall Graham (UK)
- Benefits of standardization, examples of thyroid function tests. Linda Tienpont (BE)
- Standardization of laboratory tests. How to do it? Greg Miller (US)
- Standardisation, what does it mean for my lab? Ian Young (UK)

2.- Topic: Innovations in Molecular Diagnostics Laboratory

Chairpersons: M. Ferrari (IT), M. Neumaier (DE) (IFCC)

- New trends in the molecular diagnosis of complex genetic disorders. Maurizio Ferrari (IT)
- Modern molecular diagnostics in oncology Michael Neumaier (DE)
- New diagnostic metabolism in common diseases. Von Arnold Eckartstein (CH)
- New molecular diagnostics of infections. Ferreira Andrea Gonzalez (E.E.U.U.)

3.- Topic: Patient safety in the post-analytical

Chair: Dr. Rafael Calafell (AEFA-Spain)

AEFA President: Spanish Association of Pharmaceutical Analysts

- Reference values : Dra. Raquel Blázquez
- Impact of the laboratory in clinical decisions Dr. Bernardino Barceló
- Dr Analytical Report: Dra Miriam Martinez
- Critical values: Dra. Iratxe Lopez

4.- Vaginal dysfunction (COLABIOCLI)

Topics of the Symposium

1. proinflammatory and hormonal disorders vaginosis
2. Inflammatory Syndrome: vaginitis
3. Morphology and vaginal basic states: a new paradigm in primary health care
4. Etiology of yeast vulvovaginitis
5. New frontiers in diagnosis and treatment of trichomoniasis

- 1- Mini Course: "Serological tests for screening blood donors"
(content): Methodologies (ELISA and CLIA) and Automated Systems; HIV;





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**5.- SYMPOSIUM:
(IFCC C – TLM)**

TRACEABILITY AND STANDARDIZATION IN THE CLINICAL LABORATORY

Dr. Lothar Siekman (Germany)

Dr. Mazziotta also collaborates with the symposium and agenda

Topic: Analytical traceability is implemented in clinical laboratories in the region of Latin America.

**6.- SYMPOSIUM (UNIVERSIDAD NACIONAL DEL SUR- ARGENTINA-
COLABIOCLI)**

• INFLUENCE OF PRE AND POST ANALYTICAL PHASE IN THE QUALITY OF OUR RESULTS CONSTANT CHALLENGE IN THE LABORATORY

7.- QUALITY CONTROL. ANALYTICAL PHASE (SEBIOCLI)

8- EQUAs

**9. SYMPOSIUM (COLABIOCLI)
BIOCHEMISTRY AND MODERN CLINICAL HEPATOLOGY**

Moderator: Dr. (Latin American Country.)

• Laboratory in metabolic and autoimmune liver disease

Speaker: Dr. Veliz - (Argentina).

• Laboratory in viral hepatitis and liver tumor diseases. Lecturer: Dr. (Latin American Country.)

**• Lecture: Biochemist in the pre-analytical, analytical and post-analytical phase
Lecturer: Dr. Carlos Navarro - (Argentina)**

10 . EPIDEMIOLOGY

11. CPD- IFCC.

Chair: Dr. Khosrow Adeli

Pediatric Clinical Chemistry: -4 presentations on chronic and acute diseases of children, reference intervals, critical value

12. HARMONIZATION IN LABORATORY MEDICE

44 CONFERENCES.

TOPICS

- Bacteriology
- Blood Bank
- Molecular Biology
- Biochemistry
- Quality Control
- Epidemiology
- Clinical Laboratory Management
- Hematology
- Hormones
- Immunology





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- tumor markers
- Parasitology
- The laboratory in the diagnosis and monitoring of viral hepatitis "
- Syphilis and Chagas; Internal Quality Control; control External Quality; Evaluation of reagents. The laboratory in the diagnosis and monitoring o viral hepatitis "

INTERNATIONAL SPEAKERS

1. • Dr. Michael Neumaier		Alemania	IFCC
2. • Dr. Calos Navarro	President COLABIOCLI	Argentina	COLABIOCLI
3. • Dr. Roberto García	President FBA	Argentina	COLABIOCLI
4. • Dr. Daniel Mazziotta Director PEEC FBA		Argentina	IFCC
5. • Dra. Evangelina Hernández		Argentina	W. COULTER
6. • Dr. Gabriel Migliarino		Argentina	W. COULTER
7. • Dr. Guillermo Rossi		Argentina	SEBIOCLI
8. • Dr. Hernán Fares Taire		Argentina	SEBIOCLI
9. • Dra. Linda Tiempont		Bélgica	IFCC
10. • Dr. Wellington Dos Santos		Brasil	NIPRO
11. • Dr. Amadeus Sáez A.		Brasil	PNCQ
12. • Dr. Gabriel Lima Oliveira		Brasil	PNCQ
13. • Dr. Eduardo Aranda		Chile	VLP /IFCC
14. • Dr. Rafael Calafell		España	AEFA
15. • Dra. Raquel Blázquez		España	AEFA
16. • Dr. Bernardino Barceló		España	AEFA
17. • Dra. Miriam Martínez		España	AEFA
18. • Dra. Iratxe López		España	AEFA
19. • Dr. Greg Miller		EEUU	IFCC/AACC
20. • Dra. Andrea Ferreira González		EEUU	IFCC
21. • Dr. Jacobus H. de Waard		Holanda	SEBIOCLI
22. • Dr. Gian Luca Salvagno		Italy	SEBIOCLI
23. • Dr. Enrique González Cruz		México	VLP/IFCC
24. • Dra. Montserrat Blanes		Paraguay	SEBIOCLI
25. • Dr. E. Antonio Antúnez de Mayolo		Perú	SEBIOCLI
26. • Dr. Ian Young		Reino Unido	IFCC
27. • Dr. Arnold Von Eckartstein		Suiza	IFCC
28. • Dr. Jose Abol	Director PNCQ	Brasil	PNCQ
29. • Dr. Mario Plebani		Italy.	SEBIOCLI
30. • Dr Tomris Ozben		Turkey	IFCC
31. • Dr. Graham Beatsall		UK	IFCC
32. • Dr. Mauricio Ferrari		Italy	IFCC





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- | | | |
|-------------------------------|-----------|------------|
| 33. • Dr. Rosa Sierra | Mexico | IFCC |
| 34. • Dr. Lothar Siekmann | Germany | IFCC |
| 35. • Dr. Khosrow Adeli | Canada | IFCC |
| 36. • Dr. Karin Chavez Abán | Bolivia | PNCQ |
| 37. • Dr. Gary Myers | USA | IFCC/AACC |
| 38. • Dr. Tomas Zima | Germany | IFCC |
| 39. • Dr. Ana Leticia Cáceres | Guatemala | IFCC |
| 40. • Dr. Pranav Sinha | Praga | SEBIOCLI |
| 41. • Dr. Silvia Benozzi | Argentina | COLABIOCLI |
| 42. DR. Gisela Unger | Argentina | COLABIOCLI |
| 43. Dr. Graciela Penncchiotti | Argentina | COLABIOCLI |
| 44. Dr. James Westgard | USA | SEBIOCLI |
| 45. Dr. Jean-Marc Gabastou | France | OPS |
| 46. | | |

AND PRESTIGIOUS NATIONALI SPEAKERS

**FREE THEMES AND STYLES
(POSTERS)**

REQUIREMENTS DETAILED IN : [www- sebiocli-ec.org](http://www-sebiocli-ec.org)





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Congreso Latinoamericano de
Bioquímica Clínica y
Laboratorio de Referencia
COLABIOCLI 2015

24, 25 y 26 de septiembre de 2015



FICHA PARA TRABAJOS CIENTÍFICOS LIBRES

Título:
Autor(es):
Institución(es):
Resumen (Introducción, Objetivos, Material y Métodos, Conclusiones) (Mínimo 150 palabras, máximo 250 palabras)
Palabras Claves (indique 3 = máximo 5):
Area Temática (Revisar las bases y escoger de la lista 1, un tema preferido y dos temas alternativos):
Nombre y correo electrónico del autor que inscribe el trabajo:
Instrucciones: Completar la ficha de acuerdo a las bases del concurso y enviarla a: congresocolabiocli2015@gmail.com

www.sebiocli-ec.org

congresocolabiocli2015@gmail.com



MEETINGS:

- Executive Committee of IFCC Meeting and divisions (SEPTEMBER 23)
- COLABIOCLI Assembly (SEPTEMBER 25)
- Meetings Radio correspondents Microscope (LATE SEPTEMBER 24)
- Meetings of WG IANT /CPD (IFCC) (LATE 25 OCTOBER)
- Traceability C-TLM (IFCC) (SEPTEMBER 24)





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EVENTS

1. OPENING CEREMONY and Awards Wiener (\$2000,00): Free Themes

2. CLAUSURA CEREMONY.- and Awards Trophy: Posters

WIENER FOUNDATION TROPHY FOR BEST POSTER

3. FELLOWSHIP NIGHT OF LATIN.

Folklore of the countries

Delegation Award Best National Costume (PNCQ)

Fireworks Show

Music and dance

4. DINNER SPEAKERS

5. CITY TOUR / MIDDLE OF THE WORLD: FOREIGN EXHIBITORS

Dra. María del Carmen Pasquel

Presidenta del Comité Organizador
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DE BIOQUÍMICA CLÍNICO
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Dra. Piedad Jaramillo Romero.
Secretaria de Sociedad Nacional
Secretaria del Comité Ejecutivo





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