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REPORT

SYMPOSIUM: “TEACHING PHARMACOVIGILANCE IN UNIVERSITIES”

Universities and other educational institutions should promote and teach the principles of therapeutic and medicinal safety surveillance during clinical care. In order to promote the discussion about what contents about pharmacotherapy, safety surveillance and Pharmacovigilance should be included in undergraduate and post-graduate curricula, the Pharmacovigilance Unit of the Facultad de Ciencias Médicas of Universidad Nacional de Córdoba, Argentina has proposed this Symposium. The School of Medicine hosted the event.

The Symposium was run into Spanish and Portuguese, with no simultaneous translation. Facilities and technical equipment were provided by the School of Medicine of Córdoba National University.

The Symposium was attended free of charge by 85 attendees, among them *physicians, pharmacists, nurses, dentists, nutritionists* and *veterinaries*. Students of Medicine and Pharmacy also attended the Symposium.

26 Speakers, among them 14 MD and 12 Pharmacists, contributed with their experiences, giving vibrant talks. All speakers are Professors in Schools of Medicine and Schools of Pharmacy from 7 Latin-American countries: Argentina, Brazil, Colombia, Chilli, Mexico, Paraguay and Peru.

- 4 Public National Universities of **Argentina** (Buenos Aires National University, Rosario National University) University, Córdoba National University, La Plata National University and
- 2 **Brazilian** Universities (the University of Sao Paulo and University of Brazilia)
- 2 **Colombian** Universities (University of Rosario, Bogotá, and University of Pereira)
- 2 **Chilian** Universities (the University of Concepción and Pontificia Catholic University of Chili)
- 2 **Mexican** Universities (the Autonomous University of Mexico and University of Americas Puebla, Puebla city, México)
- 1 **Paraguay** University (National University of Asunción, Asuncion city, Paraguay)
- 1 **Peruvian** Universities (University San Luis Gonzaga, Ica city, Peru)



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The aim of this Symposium is to gather University teachers in Sciences of Health, in order to reach the basis of a consensus for the teaching of PV in universities and to develop a proposal that adapts the teaching and practice of pharmacotherapy to new challenges, with the objectives of:

- To achieve a higher level of scientific competence, both in undergraduate and post-graduate students, for the correct prescription, medicinal safety surveillance and to avoid medication errors,
- To encourage a proactive attitude for greater safety of patients exposed to drugs,
- To increase the participation of health professionals in pharmacovigilance systems, a greater contribution to the knowledge of the adverse effects of medications, medication errors, and how to prevent them as far as possible,
- To increase the competences of students in perception, detection, evaluation, communication and handling of adverse effects of medicines and vaccines.

For these objectives, the discussion between the speakers and representatives of Latin-American universities throughout Latin America will focus on:

- The selection of the contents of the teaching of pharmacological therapy, in order to effectively teach pharmacotherapy, medicines safety surveillance and pharmacovigilance
- How to teach Pharmacovigilance and pharmacotherapy to students and graduates of health sciences, in order to promote their active participation in Pharmacovigilance Systems.

Scientific Agenda: May 9th 2019

Opening session	<p>Dr Patricia Paglini, Academic Secretary, School of Medicine, National University of Córdoba</p> <p>Luis Alesso, National Hospital of Clinics, School of Medicine, National University of Córdoba</p> <p>Mario Bendersky, Chair of Clinical Pharmacology, School of Medicine, National University of Córdoba</p> <p>Raquel Herrera Comoglio, Hospital Unit of Internal Medicine 1, School of Medicine, National University of Córdoba</p>
Presentation of the Symposium	Raquel Herrera Comoglio , School of Medicine, National University of Córdoba
Opening lecture: Pharmacovigilance in Latin America	Luis Alesso , National Hospital of Clinicas, School of Medicine, Univ. Nacional de Córdoba



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Keynote lecture: "The Challenges of Health Systems" Universal Health in the 21st Century: 40 Years of Alma Ata "	Javier Uribe Pan American Health Organization, PAHO/WHO
"Communicating vessels", health professionals as a link between the regulatory approach and other pharmacovigilance activities.	Rosa María Papale -Director Dept. Pharmacovigilance ANMAT, Argentina / Prof. School of Medicine of Buenos Aires- Juan Roldán – Director Pharmacovigilance Subdepartment of the Institute of Public Health of Chile / Professor Univ. San Sebastián, Chile
Why, how and when to deprescribe	Adriana Petinelli School of Medicine, Univ. De La Plata Univ. Arturo Jáuretche, La Plata, Argentina
What health professionals should know when treating pain	Carlos Calderón Ospina , School of Medicine, Univ. Del Rosario, Bogotá, Colombia
The teaching of Pharmacovigilance in University Hospitals of Brazil	Helaine Carneiro Capucho Department of Pharmacy, Faculdade de Ciências da Saúde, Universidade de Brasília - Brazil
What to teach about Interactions	Mariano Núñez , School of Medicine, University of Buenos Aires, Argentina
Pharmacogenetics and adverse effects	Lucila Isabel Castro Pastrana University of the Americas Puebla, Puebla, Mexico.
What to teach about hypersensitivity reactions	María Teresa Serra UNC
What should we learn from medication errors	Liliana Vargas Neri Clinical Epidemiology Unit of the Children's Hospital of Mexico Federico Gómez and Pharmacy Department of the Faculty of Chemistry of the National Autonomous University of Mexico (UNAM)
Pharmacovigilance Teaching Experiences in Universities: Schools of Pharmacy	María Francisca García Wong , School of Pharmacy, San Luis Gonzaga University, Ica city, Perú Carolina Romañuk , Faculty of Chemical Sciences, National University of Córdoba, Córdoba, Argentina Chile (RoseMarie Mellado Suazo); Paraguay (Mabel Maidana);



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Scientific agenda: May 10th 2019

Educational interventions to healthcare professionals	Fabiana Rossi Varallo Faculdade de Ciências Farmacêuticas of Ribeirão Preto - Universidade de São Paulo (USP), Brazil
The hospital pharmacist in the pharmacovigilance and prevention of medication errors	José Julián López Gutiérrez – School of Pharmacy, National University of Colombia
The role of toxicology centres in the education of professionals and users	Juan Carlos Ríos Bustamante School of Medicine, Pontificia Catholic University of Chile, Santiago, Chili
Prescribing to the pregnant and the fertile woman	Mariano Núñez , School of Medicine, Buenos Aires University, Argentina
What to teach to prevent medication errors in paediatrics	Santiago Schiaffino School of Medicine, Buenos Aires University, Argentina
Drug-Induced liver injury	Fernando Bessone , School of Medicine, Rosario National University, Argentina
Teaching pharmacovigilance in clinical rounds	Jorge Machado Alba , School of Medicine, University of Pereira, Colombia
"Practical Stage in Pharmacovigilance: the experience of CEATOX"	Gabriel Iraci , School of Medicine, National University of Córdoba
How to facilitate the identification of drug-drug interactions	Cristina Andrusaitis Sandron , Faculty of Medicine, Univ of Sao Paulo, Brazil
Research in Farmacovigilância e Projetos de Treinamento for students of Farmácia: Partnership between the University of São Paulo, or the Ministry of Health and the Sanitary Vigilance Center of São Paulo	Adalton Ribeiro , University of Sao Paulo, Brazil.
A perspective from the National Hospital of Clinicas	Raquel Herrera Comoglio , School of Medicine, National University of Córdoba
Closing remarks	Patricia Paglini, Mario Bendersky, Luis Alesso, Raquel Herrera Comoglio School of Medicine, National University of Córdoba



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SPEAKERS:

1. **Prof. Luis Alberto Alesso**, MD, School of Medicine, Córdoba National University, (FCM UNC), Córdoba, Argentina
2. **Prof. Mario Bendersky**, MD, School of Medicine, Córdoba National University, FCM UNC, Córdoba, Argentina
3. **Prof. Fernando Bessone**, MD, National University of Rosario, Rosario city, Argentina
4. **Prof. Carlos Calderon Ospina**, MD, School of Medicine, Univ. Del Rosario, Bogotá city, Colombia
5. **Prof. Helaine Carneiro Capucho**, Univ. De Brasilia, Brasilia, Brasil
6. **Prof Lucila Castro Pastrana**, MD, Univ. De las Américas Puebla, Puebla, México
7. **Prof. Francisca García Wong**, Pharm., dean, Univ. San Luis Gonzaga, Ica, Perú
8. **Prof. Nelly Raquel Herrera Comoglio**, MD, School of Medicine, Córdoba National University, (FCM UNC), Córdoba, Argentina, FCM UNC, Córdoba, Argentina
9. **Prof. Gabriel Santino Iraci**, MD, School of Medicine, Córdoba National University FCM UNC, Córdoba, Argentina
10. **Prof. Jose Julián Lopez Gutierrez**, School of Pharmacy, Universidad Nacional de Colombia, Bogotá, Colombia
11. **Prof. Jorge Enrique Machado Alba**, Facultad de Medicina, Univ. De Pereira, Pereira Colombia
12. **Prof. Mabel Maidana**, Facultad de Farmacia, Universidad Nacional de Asunción, Asunción, Paraguay
13. **Prof. RoseMarie Mellado Suazo**, Facultad de Farmacia, Univ. De Concepción, Santiago, Chile
14. **Prof. Mariano Núñez**, Facultad de Medicina, Universidad de Buenos Aires, (UBA) Buenos Aires, Argentina
15. **Prof. Rosa María Papale**, Facultad de Medicina, Universidad de Buenos Aires, (UBA) Buenos Aires, Argentina
16. **Prof. Adriana Petinelli**, Univ. De La Plata, La Plata city, Argentina
17. **Prof. Adalton Ribeiro**, Universidade de Saude Publica, Sao Paulo, Brasil



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18. **Prof. Juan Carlos Ríos Bustamante**, Facultad de Medicina, Pontificia Universidad Católica de Chile, Santiago, Chile
19. **Prof. Juan Roldán Saeltzer**, Facultad de Farmacia, Universidad San Sebastián, Santiago, Chile
20. **Prof. Carolina Romañuk**, Facultad de Ciencias Químicas, Univ. Nacional de Córdoba, Córdoba, Argentina
21. **Prof. Fabiana Rossi Varallo**, Universidad de Sao Paulo, Brasil
22. **Prof. Cristina Andrusaitis Sandron**, Facultad de Medicina Univ. De Sao Paulo, Sao Paulo Brasil
23. **Prof. Santiago Schiaffino**, Facultad de Medicina, Universidad de Buenos Aires, (UBA) Buenos Aires, Argentina
24. **Prof. María Teresa Serra**, Hospital Nacional de Clínicas, Facultad de Ciencias Médicas, Universidad Nacional de Córdoba, Córdoba, Argentina
25. **Javier Uribe Echeverri**, Representative Panamerican Health Organization/World Health Organization, Buenos Aires Argentina
26. **Prof. Liliana, Vargas Neri**, Facultad de Química de la Univ. Autónoma de México (UNAM) México México

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