TRAINING ACTIVITIES
Since January 1st, 1970 to June 30, 1974

According to the "Agreement" CLAP has to train personnel, who in their countries of origin, would be involved in research, teaching and medical care within the maternal and child health area (paragraph 1 of the agreement)

REGULAR COURSES

Four regular courses have been accomplished every year from 1970 to 1974.
FIRST REGULAR COURSE

SCIENTIFIC BASIS FOR THE COMPREHENSIVE CARE OF MOTHER AND NEWBORN

Duration 12 months.

The course was devoted to the following objectives:

1. Complete the knowledge on high risk pregnancy and its importance in Maternal and Child Health
2. Understand the principal and general procedures applied to the study of high risk patients.
3. Achieve the necessary skill in technique employed for the control of pregnancy, labor and newborn and their application in high risk pregnancy and newborn infant care.
4. The knowledge of echologic, social, cultural and economic factors affecting mothers, fetus, and newborn health. From the study of these factors, to establish the standards for the care of the pregnant woman and newborn patients.
5. To complement the knowledge of physiopathology, diagnosis and treatment in perinatal medicine.
6. Achieve the necessary skill in bio-statistics.
7. To understand the importance of long-term follow up of the babies and integrate this knowledge in perinatal studies.
8. To develop in the trainee the capacity for:
   - Formulation and realization of short-term research projects.
   - Application of statistical methods for data processing
- To act as teachers
- To manage bibliographical data in Perinatology

9. To acquire the basic knowledge for organizing a maternal child care unit.

10. To establish general standards for the care of high risk pregnancies and labors.

Until January 1974, 45 trainees, 29 obstetricians, 15 pediatricians and 1 pathologist completed the course.

ARGENTINE
Alonso, José Luis (1970)
Pérez, Miguel Angel (1970)
Sabatino, José Hugo (1970)
Díaz, Angel Gonzalo (1971)
Pibernus, José (1971)
AlvarezaBayon, Roberto (1972)
Berdagué (1972)
Rizzi, Ricardo (1972)

BOLIVIA
Delgado, Miguel (1970)
González, Teddy (1972)

BRAZIL
Grisard, Nelson (1979)
Da Silva de Oliveira, Neus (1971)
Rodríguez de Mello, Airton (1971)
BRAZIL
Marquez, Marília (1972)
Henriquez, Katia (1972)
Jacomó, Antonio (1972)
Pinto e Silva, João (1972)

COLOMBIA
Botero Correa, Oscar (1970)
Arroyave, German (1972)

CHILE
Torres Ramírez, Antonio (1971)
Tort Llugany, Agustín (1971)

ECUADOR
Guayasamin de González, Olga (1971)

EL SALVADOR
Arce Suárez, Juan José (1970)

GUATEMALA
Ortiz Saenz, Arturo (1970)
Cerezo, Celso (1972)

NICARAGUA
Mejía de Cabrera, Rosario (1970)
MEXICO

Vargas García, Carlos (1971)
Ramírez, Fernando (1972)

PANAMA

Arana, Rogelio (1972)

PERU

Exebio, José (1970)

URUGUAY

Martell, Miguel (1971)
Capurro, Haroldo (1971)
Carrara, Silvia (1971)
Burghí de Cid, Milagros (1972)
Daví, Nora (1971)
Minetti de Portos (1972)
Cuadro, José Carlos (1972)
Burgos (1972)

VENEZUELA

Inaudy Bolívar, Efraín (1970)
Martínez, Jaime (1972)
Ríos, Rafael (1972)

ESPAÑA

Iglesias Díaz, Manuel (1970)
Lanchares, Juan Luis (1971)
Navarrete, Luis (1972)
SECOND REGULAR COURSE
ADVANCED RESEARCH TRAINING IN PERINATAL MEDICINE

This program has been planned to give an opportunity to the best trainees of the course "Scientific Basis for the Comprehensive Care of Mother, Fetus and Newborn, to acquire more knowledge and skill in research and teaching methodologies.

Although this is the general policy followed by CLAP in this respect, other candidates with solid previous training in the field may be admitted.

To accomplish the goals of this course, trainees rapidly join one or two multidisciplinary teams and actively participate as assistant in the development of the other regular training programs and specialized courses developed in the CLAP always supervised by staff members.

TRAINING ACTIVITIES

Until June 30, 1974, 19 trainees completed the course. They were: 12 obstetricians and 7 pediatricians.
Belitzky, Ruben (1970)
Belizan, José Miguel (1973)
Alvarez Bayon, Roberto (1973)
Sebatino, José Hugo (1973)

Jacom, Antonio (1973)
Henriquez, Katia (1973)

Barrios Amaya (1970)

Guayasamin de González (1970)

Magaña, Mauricio (1970)

López Canale, J.R (1970)

Urzua-León, Miguel (1972)
URUGUAY

Martell, Miguel (1972)
Capurro, Haroldo (1972)
Burghi de Cid, Milagros (1973)
Davit, Nora (1973)
Burgos, Jorge (1973)

CANADA

Guimond, Pierre (1971)
Milne, Keneth (1971)

U.S.A

Simmonds, G. Millard, Jr. (1971)

THIRD REGULAR COURSE
PERINATNAL PHYSIOPATHOLOGY

This program is part of the Latin American Course on Biology
of Reproduction, also known as the "Three Nations Course" because it
involves the participation of five centers located in three countries,
namely Argentine, Chile and Uruguay.

This course is divided into two successive stages. In the first
of six months duration, the trainees go through each participating center
a preestablish number of weeks, receiving up to date information on re-
production, on the research projects currently in progress in each center
and also practical demonstration of the techniques used to develop such
research activities.
The participation of CLAP in this stage of the course involves 6 weeks.

Until June 30, 1974, 33 trainees completed the first stage of this course.

FIRST STAGE:

ARGENTINE

Hisano, Noriyuki (1970)
Neuspiller, Nicolás (1970)
Belizán, José Miguel (1971)
Sabatino, José Hugo (1971)
Cavichia, Juan Carlos (1971)
Gallardo, Eduardo (1971)
Borda, Enri (1972)
Carril, Lidia (1972)
Luther, Eduardo (1972)
Spaltro, Nicolás (1973)
González de Vargas, María (1973)
Martín, José Luis (1973)
Dujovne, Alicia (1973)

BRAZIL

Dottaviano, Ernesto (1970)
Da Silva e Souza, Conceicao (1973)
Coelho Marquez, Caio (1973)
COLOMBIA

Aragón Sarria, Jorge (1970)
Cifuentes, José Rodrigo (1972)

CHILE

Cheviakoff, Sergio (1970)
Abusleme, Carlos (1971)
Saavedra Maffet, Ricardo (1973)

ECUADOR

González Carnejo, Alfredo (1973)

EL SALVADOR

Monje Alegría, Moises (1973)

MEXICO

Díaz García, Miguel (1971)

PARAGUAY

Villalba, J. (1973)

PERU

Rubio Velez, Manuel (1970)
García Hirjales, Marco Antonio (1973)

REPUBLICA DE SANTO DOMINGO

Montes de Oca, Victor (1970)
URUGUAY

García Patrone, Manuel (1972)
Giussi, Gustavo (1973)
Archimaut, Gastón (1973)

VENEZUELA

Bardía Dcu, Ramón

SECOND STAGE OF THE COURSE:

The duration of the second stage of this course is 18 months.
To be admitted the trainees have to prepare "Research Project" which in turn has to be prepared by the Central Committee of the course and select one for the participating centers to develop this project.

A list of trainees who chose CLAP to complete this part of the course in 1970-1974, the country of origin and their research projects, follows:

ARGENTINE

Sabatino, José Hugo
"Fetal Effects of Transient Occlusions of Maternal Aorta and Umbilical Vessels"

Belizán, José Miguel
"Urinary Estriol as Indicator of Perinatal Risk"

Hib, José
"Study of Spontaneous Epididymal Contractility and the Effects of Different Drugs"
CHILE
Abusleme, Carlos  "HCS Concentration in Blood of High Risk Pregnancies"

COLOMBIA
Cifuentes, José Rodrigo  "Contractility of the Human Unpregnant Uterus in Four Phases of Menstrual Cycle. Effects of Adrenoceptor-stimulating Drugs"

ECUADOR
González Carnejo, Alfredo  "Reproductive Problems in Diabetic Patients"

EL SALVADOR
Monje Alegría, Moisés  "Reproductive Problems in Diabetic Patients"
FOURTH REGULAR COURSE

SEMINAR ON RECENT ADVANCES ON BIOLOGY OF REPRODUCTION, PERINATAL ASPECTS

This seminar is developed in collaboration with centers of Argentina and Chile. The total duration of the seminar is 6 weeks. One is devoted to CLAP, Montevideo.

The main objectives of the seminar is to discuss with the participants some of the problems in Perinatal Medicine. Also, to demonstrate modern methodologies used in research on Human Biology of Reproduction. The aim is to increase the interest of the participants in fields scarcely developed in Latin America.

The participants from January 1st to June 30th, 1974 were 75 professors.

The choice of the subjects and the methods to be shown are made in agreement with the other participating centers, taking into account the short period of time available.

The subjects developed were Perinatal Risk, Fetal Distress, Intensive Care of the Mother, Fetus and Newborn.

Countries of residence and names of the professors are listed below.

ARGENTINA

Romero, Osvaldo (1974)
Ramos Ruiz, María (1974)
Toro Di Giusseppe, Julia (1974)
ARGENTINA

Porta, Carlos (1974)
Coccozzella, Guillermo (1974)
Romero, José (1974)
Martino Hi, Alberto (1974)
Conde Vinacur, Jorge (1974)

COLOMBIA

Botero Uribe, Jaime (1971)
Velez Zapata (1971)
Gartner Tobo., Mario (1971)
Gómez Zeballos, Oscar (1971)
Blanco, Benjamín (1971)
Puente Villadiego, Guillermo (1971)
Rosales, Jacobo (1971)
Hernández, Alfonso (1971)
López Concha, Román (1971)
Mora Restrepo, Reinaldo (1971)
Alvernia Solano, Andes José (1971)
Reyes Rodríguez, Ciro Alfonso (1971)
Sabogal Parrado, Hernando (1971)
Pardo Vargas, Francisco (1971)
Suárez Fajardo, Germán (1971)
Ramírez Merchan, Rafael (1971)
Velazco Chiriboga, Alvaro (1971)
Rodríguez, Arturo (1971)
Lopez Viñas, Carlos (1971)
COLOMBIA

Jaramillo, Roberto (1971)
Zuñiga, Enrique (1971)
Rey, Humberto (1971)
Quintero, Carlos (1971)
Rodríguez, Aristarco (1971)

COSTA RICA

Mejías Porras, Gilberto (1970)
Prada Díaz, Carlos (1970)

CHILE

Peña Moreno, Graciela (1974)
Silva, Eduardo (1974)
Campodonico, Italo (1974)

ECUADOR

Santos, Osvaldo (1973)
Ramos, Gustavo (1973)
Escobar, Luis (1973)
Cisneros, Cicerón (1973)
Camacho, Luis (1973)
Espinosa, Nicolás (1973)
Neyra, José (1973)
Gómez Lince, Fernando (1973)
Wated, Guillermo (1973)
EL SALVADOR

Calderón, Rodolfo (1970)
Morán Cáceres, Ernesto (1970)

HONDURAS

Rivera, Humberto (1970)
Díaz Salinas, René (1970)
Trochez Pineda, Hilton (1970)
Cardona de Herrera, Elena (1970)

GUATEMALA

Quan, Julio (1970)
Jiménez Pinto, Aquiles (1970)
Rodríguez Ocaña, Augusto (1970)
Ortiz Saenz, Arturo (1970)

NICARAGUA

Fitorio López, Humberto (1970)
Cabrera Cuevas, Ignacio (1970)
Pérez Masis, Roberto (1970)

PANAMA

Gómez, Federico (1970)
Pinilla Chiari, Pedro (1970)
PARAGUAY

Rojas del Puerto, Eustacio (1974)
Bataglia, Vicente (1974)
Gómez, Oscar (1974)

PERU

García Hirjales, Marco Antonio (1973)
Rengifo, Eduardo (1973)
Orosco Tavara, Luis (1973)
Figueroa Aragón, Moisés (1973)
Cifuentes, Enrique (1973)
Pesantes, Marcos (1973)
Chaves Condemarín, Augusto (1973)
Alfonso Velado, Edgard (1973)

VENEZUELA

Rincón Pacheco, Desiderio (1973)
González de Mena, Sandra (1973)
Segovia, Josefina (1973)
Marínez, Jaime (1973)
FIFTH TYPE OF INTRAMURAL ACTIVITY

SEMINAR FOR MIDWIVES AND OBSTETRIC NURSES ON PERINATAL-CARE AND MATERNAL-CHILD HEALTH

Sponsored by the Pan American Health Organization devoted to select obstetric nurses and midwives from Latin America.

CLAP participates by giving a three week course on Special Care for Mother, Fetus and Newborn of High Perinatal Risk.

Objectives:
- To actualize their knowledge about high risk pregnancy, labor and neonate.
- To learn about modern methodology applied in high risk cases.
- To learn the importance of multidisciplinary team in Health programs, in order to improve the results.

The country, city of origin and name of the trainees follow:

ECUADOR

Coto, Violeta (1974)
Reha, Luz Germania (1974)
Santamaría, Margarita (1974)
Ventimilla, Carmela (1974)
CLAP 605 Report 1970-74

INTRAMURAL TRAINING
ACTIVITIES page 19

COLOMBIA

Guerrero, Lida
Niño, Mariela
Mejía, Mariana

CHILE

Clarke, Cristina
Leiva, Roma
Ortiz, María
Paez, Gloria
Poharecky, Yolanda
Ramírez, Grabiela
Riquelme, Alicia
Verdejo, Guacolda

URUGUAY

Brandon, Nora
Ferrari, María Ester
Rodriguez, Tomaza
Vera, María
Besides the Regular Courses, CLAP organized other courses on more limited and specialized topics.

A list of the courses and their duration follows:

1970

- **ELEMENTAL DESCRIPTIVE STATISTICAL METHODOLOGY**
  Prof. Roberto Yabo. 3 weeks

- **STATISTICAL METHODOLOGY IN BIOLOGICAL SCIENCES**
  Prof. Roberto Yabo. 3 weeks.

- **NEONATAL CLINICS AND PHYSIOPATHOLOGY**
  Coordination: Prof. Dr. Daniel Fonseca. 6 weeks

- **FIRST BASIC COURSE ON CYTOGENETICS**
  Coordinator: Dr. Maximo Dretz. 1 week.

- **SYMPOSIUM ON CLINICAL APPLICATION OF PHARMACOLOGY AND PHYSIOPATHOLOGY**. Coordinator: Dr. Omar Althabe. 1 week

- **INTERNATIONAL SYMPOSIUM ON UTERO-INHIBITORY DRUGS AND THEIR EFFECTS ON MOTHER, FETUS AND NEWBORN**. Coordinator Dr. R. Caldeyro-Barcia. 1 week
- MANAGEMENT OF LABOR, PERINATAL PHYSIOLOGY AND PATHOLOGY. Coordinator: Dr. J.J. Poseiro. 4 weeks, (24 hours)

- COURSE ON NEONATOLOGY
  Prof. Dr. Eduardo Jurado García (from Mexico). 9 weeks (44 hours)

- SEMINAR ON RECENT ADVANCES IN PERINATAL MEDICINE
  Coordinator Dr. R. Bustos. 3 weeks (22 hours) Devoted to 12 nurses working in the Neonatal Unit

- BIOSTATISTICS AND EXPERIMENTAL DESIGN
  Prof. Dr. Roberto Yabo. 4 weeks (100 hours)

- ACID BASE BALANCE AND GASES IN BODY FLUIDS.
  4 weeks (36 hours)

- HUMAN CHORIONIC SOMATOTROPHIC HORMONE
  Prof. J. Brovetto. 3 lectures (6 hours)

- PERINATAL INFECTIOUS DISEASES
  9 lectures (18 hours)

- INTRODUCTION TO MEDICAL PSYCHOLOGY
  Dr. R. Bernardi. 4 weeks (12 hours)
1971

- **SEMINAR ON EDUCATION FOR HEALTH AND MATERNAL INFANT PROGRAM.** Sponsored by the Ministry of Public Health of Uruguay, the School of Medicine of the University of Uruguay, the Panamerican Health Organization. Duration 1 week (30 hours)

1972

- **MULTINATIONAL SEMINAR ON: FACTORS WHICH INCREASE PERINATAL RISK IN LATIN AMERICA.** 4 days, (24 hours)
- **BASIC ELEMENTS OF BIOSTATISTICS**
  5 weeks (40 hours)
- **ACID BASE BALANCE AND GASES IN BLOOD**
  3 weeks (36 hours)
- **PHYSICOPATHOLOGY OF HUMAN REPRODUCTION**
  1 week (20 hours). For medical students
- **DELIVERY ROOM CARE OF THE NORMAL AND PATHOLOGICAL NEWBORN INFANT.** 2 days (12 hours) Devoted to 14 nurses working at the Neonatal and Obstetrical Department of the University Hospital.
1973

- **ACID BASE BALANCE AND GASES IN BLOOD**
  4 weeks (36 hours)

- **BIOSTATISTICAL AND EXPERIMENTAL DESIGN**
  1. General Aspects of Statistics. 1 week (40 hours)
  2. Statistical Inference. 4 weeks (48 hours)
  3. Non Parametric Statistics. 5 weeks (60 hours)
  4. Statistics for Young Doctors. 3 weeks (36 hours)

- **COURSE ON PERINATOLOGY**
  Organizational Aspects. Elaboration of Standards for Newborn Care. Prof. Dr. Antonio Marcio Lisboa. 1 week

- **COURSE ON NEONATOLOGY**
  Prof. Eduardo Jurado García. 3 days

- **SEMINAR ON THE PROGRAM "SCIENTIFIC BASIS OF COMPREHENSIVE MEDICAL CARE OF THE MOTHER, FETUS and NEWBORN."**
  Coordinator: Prof. Dr. Antonio Marcio Lisboa

- **COURSE ON GENETICS**
  Dr. Horacio Cardozo (2 weeks)

1974

- **ACID BASE BALANCE and BLOOD GASES TRANSPORT**
  1 month (51 hours)
1974

ROLE OF PERINATAL CARE OF MOTHER, FETUS, and NEWBORN in the PREVENTION of CHILD LEARNING DISORDERS. Part of the Regional Program of Educational Development sponsored by the OAS (Organization of American States) Coordinator Dr. Raúl Ruggia. 8 weeks, 48 hours
1970

- Doz Dr. K.H. MOSLER. Univ. of Wurzburg, West Germany.
  1) RELATION BETWEEN MYOMETRIAL Tonus AND UTERINE ACTIVITY.
  2) THREATENED PREMATURE LABOR THERAPY WITH PROGESTERONE

- Prof. Dr. T.K.A.B. ESKES. Department of Gynecology and Obstetrics, St. Lucas Ziekenhuis y Vrije Universiteit, Amsterdam, Netherlands.
  1) INTRAUTERINE PRESSURE AND HUMAN FETUS CONDITION
  2) PLACENTAL RADIOANGIOGRAPHY "IN VITRO" AND "IN VITRO"

- Prof. Adj. Dr. JUAN ESTEBAN Y ALTIRIBA. Faculty of Medicine, University of Barcelona, Spain.
  DIFFERENT ANESTHETIC DRUGS: INFLUENCE ON FETAL AND NEONATAL HOMEOSTASIS.

- Prof. Dr. KURT BAUMGARTEN. Department of Obstetrics and Gynecology, University of Vienna, Austria.
  MYOMETRIAL PHARMACOLOGY DURING LABOR.

- Prof. Dr. ROBERT LANDESMAN. Department of Gynecology and Obstetrics, Cornell University, New York, U.S.A.
  1) BLOCKAGE AND STIMULATION OF AND ADRENERGIC RECEPTORS
  2) RUBELLA PROPHYLAXIS DURING GESTATION.
- Prof. Dra. ANNA RIITTA FUCHS, the Rockefeller University
  New York, U.S.A
  INHIBITION OF UTERINE CONTRACTIONS WITH PENICIL AMINO
  OXYTOCIN

- Prof. Dr. ELSINAR COUTINHO Biochemical Laboratory, School
  of Medicine, Federal University of Bahia, Brazil.
  TUBARIAN PHARMACOLOGY AND PHYSIOLOGY

- Prof. Dr. FRITZ FUCHS. Chairman of Gynecology and Obstetrics Department. Cornell University, New York, U.S.A
  1) ENDOCRINE FACTORS IN NORMAL AND ABNORMAL LABOR.
  2) DIAGNOSIS OF FETAL CONDITION THROUGH AMNIOTIC FLUID STUDIES

- Prof. Dr. ARTURO BRUGGER-AUBAN. Department of Experimental Pharmacology, School of Medicine of Valencia, Spain
  SELECTIVE ACTION OF ADRENERGIC BLOCKING

- Prof. LUIS A. CIBILS. Department of Obstetrics and Gynecology, Chicago University, Chicago, Illinois.
  UTERINE WORK IN SPONTANEOUS AND INDUCED LABOR

- Prof. CELSO GARCIA. Department of Obstetrics and Gynecology, University of Pennsylvania, School of Medicine, Philadelphia.
  ORAL AND INTRAUTERINE ANTICONCEPTIVES
- Dr. JOSE STRAUSS. Children's Hospital, Department of Pediatrics, University of California, Los Angeles, California.

1) METHODS TO MONITORIZE HYPOXEMIA AND HYPEROXEMIA. ITS APPLICATION IN NEONATOLOGY.

2) OXYGEN CONSUMPTION IN THE KIDNEY, IN NORMAL AND PATHOLOGICAL CONDITIONS.

- Dra. JO ANN BRASSEL. Department of Pediatrics, Cornell University, School of Medicine, New York, U.S.A

1) FETAL AND NEONATAL DEVELOPMENT STUDIED BY ORGANIC DNA CONTENT.

2) NUTRITIONAL FACTORS WHICH AFFECT FETAL DEVELOPMENT.

- Prof. MARCIO P. LISBOA. Chairman of the Department of Pediatrics and Obstetrics. School of Medicine, University of Brasilia, Brazil.

NEONATAL RESPIRATORY DISTRESS SYNDROME PATHOGENESIS

- Dr. ALVAR SVENSON. Department of Anesthesiology. Karolinska Institute, Stockholm, Sweden.

TROUBLES IN PROLONGED ARTIFICIAL VENTILATION IN NEONATES.

- Prof. BENJAMIN SCHMIDT. Department of Pediatrics, Paulist School of Medicine, Sao Paulo, Brazil.

NEONATAL JAUNDICE.
1971

- **Prof. STEPHANE THIEFFREY.** Pediatric Department Faculty of Medicine, St. Vincent de Paul Hospital, France.
  
  RESUSCITATION OF DEPRESSED NEWBORN.

- **Prof. WALDEMAR LADOSKY.** Physiology Department, University of Paraná, Curitiba, Paraná, Brazil
  
  SEXUAL DIFFERENTIATION OF HYPOTHALAMUS IN THE FETUS

- **Dr. R. MUCHADA.** Faculty of Medicine, Montevideo, Uruguay.
  
  STRUCTURE AND FUNCTIONING OF AN ARTIFICIAL RESPIRATOR TYPE BIRD.

- **Dr. ENRIQUE GADOW.** Faculty of Medicine, Buenos Aires, Argentine.
  
  1) HYDRAMNIOS PATHOLOGY AND CLINICS
  
  2) AMNIOTIC FLUID PROTEINS

- **Dr. LANCE TOWSEND.** Department of Obstetrics and Gynecology, University of Melbourne, Australia.
  
  HIGH RISK PREGNANCY. SIGNIFICANCE OF URINARY ESTRIOL IN PROGNOSIS AND TREATMENT.
1972

- Prof. FRANK FALKER, M.D. Chief, the Fels Division of Pediatrics Research, University of Cincinnati, Cincinnati, U.S.A.

METHODOLOGY FOR A PROSPECTIVE STUDY OF HUMAN DEVELOPMENT

- Prof. ANTONIO MARCIO LISBOA, Head Professor of Pediatrics, Federal University of Brasilia, Brazil
  a. TEACHING PROGRAM OF PEDIATRICS
  b. PERINATAL INFECTIONS

- Dr. IGNACIO DE BARTOLO, Assistant Professor of Pediatrics, University of Buenos Aires, Argentine.

TOXOPLASMOsis

- Dr. GILBERT HUAULT, Chief, Neonatal Intensive Care Unit of the Saint Vincent de Paul Hospital, Paris, France

OXYGEN TREATMENT WITH CONTINUOUS POSITIVE PRESSURE.

- Dr. W.L. BENEDETTI, Assistant, Department "C" of Obstetrics and Gynecology, Faculty of Medicine, University of Uruguay

FETAL GROWTH AND DEVELOPMENT

- Prof. Dr. EDGAR-CBO, Chief, Department of Obstetrics and Gynecology, Del Valle University, Cali, Colombia
  1) MECHANISMS OF THE ONSET OF LABOR
  2) MILK EJECTION REFLEX IN WOMEN
1973

- Prof. Dr. ANTONIO MARCIO LISBOA. Professor and Chairman Department of Pediatrics Federal University of Brasilia, Brazil.
  COURSE ON PERINATOLOGY 1 week

- Prof. Dr. EDUARDO JURADO GARCIA. Chairman of Institución Mexicana de Asistencia a la Niñez (IMAN), Mexico, D.F., Mexico.
  COURSE ON NEONATOLOGY 3 days.

- Dr. HORACIO CARDOZO, Faculty of Medicine, Montevideo, Uruguay.
  COURSE ON GENETICS 2 weeks
I) ADVISORY ACTIVITIES AND LONG COURSES WITH PRACTICAL DEMONSTRATIONS

TOTAL OF ACTIVITIES 24

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<th>YEAR</th>
<th>COUNTRY</th>
<th>CITY</th>
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<th>N° of CLAP MEMBERS</th>
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## II) THEORETICAL COURSES

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*Number in brackets are the number of activities in the same city*
### EXTRAMURAL ACTIVITIES

**IV) PARTICIPATION IN:**

**CONGRESSES, MEETINGS and SEMINARS**

**TOTAL OF ACTIVITIES 46**

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37.- BUSTOS, R., FONSECA, D., RUGGIA, R., BERNARDI, R.,
FASSANELLO, L., DIAZ, J. L. Perinatal Factors Affecting
Human Development during the First Years of Life. Proceed­
ings of the IVth Meeting of The Latin American
Association for Research in Human Reproduction (ALIRH)

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normal and hemicastrated rats by atropine and physostig­
mim implants in the hypothalamus. Proceedings of the
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W. Unitary neuronal activity in rat hypothalamus during
estrous cycle. Proceedings of the IVth Meeting of the
Latin American Association for Research in Human Repro­

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relation with the chemical structure of human somato­
mammotropin hormone. Proceedings of the IVth Meeting
of the Latin American Association for Research in Human

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quency of uterine contractions during labor. Proceedings
of the Symposium on Uterine Inhibitory Drugs. Punta del
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Influence of oxytocin in amniotic fluid sodium and chloride ion concentrations. 

96.- GRAVINA, M., SALA, M., CAFANO, A., LIBERMANN, I. 
Ovarian and uterine hystopathologic and hystochemical findings in water deprived rats. 

97.- BOTERO-CORREA, O., LIBERMANN, I., CAFANO, A., CHIANCONE, P.
Influence of the male presence on the estrous cycle in water deprived rats. 

98.- LIBERMANN, I., CHIANCONE, P., BOTERO-CORREA, O., CAFANO, A.,
Effects of water deprivation on the estrous cycle in rats.

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Weight modifications of several organs in water deprived rats and influence of presence of the male. 

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Chorionic somatomammothrophin hormone properties. 
89. LOPEZ-CANALE, J.R., TEMESIO, P., BELITZKY, R., POSÉ, S.V.

90. GIUSSI, G., BEJAR, A., CURBELO, V., POSÉ, S.V., CALDEYRO-BARCIA, R.

91. BARRIOS-AMAYA, J., BUSTOS, R., FONSECA, D., GUEMBERENA, L.

92. BARRIOS-AMAYA, J., BUSTOS, R., GRISARD, N., FONSECA, D.

93. PIRIZ, H., SABINI, G., FERNANDEZ, A., ROSS, N., BELITZKY, R., BASSO, A., DIFILIPPO, H.

94. SABINI, G., FERNANDEZ, A., ALTHABE, O., BASSO, A., PIRIZ, H., DIFILIPPO, H., BELITZKY, R.


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and beta adrenergic drugs on the heart rate of the 
human fetus. In: Fetal Pharmacology, p. 259-279. Editor 

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