

Organized by: Ministry of Public Health of Tucumán – Faculty of Medicine of the National University of Tucumán (UNT) – Fetal Medicine Foundation

AUTHORITIES

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WEDNESDAY, AUGUST 26

07:00 - 08:00 hs.	ACCREDITATION / REGISTRATION
08:00 - 08:10 hs.	WELCOME WORDS: Prof. Dr. Mario Palermo, Prof. Dra. Juana Abarza, and Dra. María Cristina Majul
08:10 - 08:40 hs.	CURRENT STATUS OF FETAL MEDICINE AND INVERSION OF THE PYRAMID Speaker: Prof. Dr. Kypros Nicolaides (King's College, London) VIDEOCONFERENCE Chairs: Dr. José M. Pérez Penco (Uruguay) - Dr. Savino Gil Pugliese (Argentina) - Prof. Dr. Mario S.F. Palermo (Argentina) Presenter: Dra. Rosario García Mandujano (Mexico)
08:45 - 09:15 hs.	OPHTHALMIC ARTERY DOPPLER AS A PREDICTOR OF PREECLAMPSIA Speaker: Prof. Dr. Fabricio da Silva Costa (Australia) VIDEOCONFERENCE ASPIRIN AND PREECLAMPSIA: 10 YEARS AFTER THE ASPRE TRIAL Speaker: Dr. Daniel Rolnik (Australia) VIDEOCONFERENCE Chair: Dra. Danielle Sodr� (Brazil) Presenter: Dr. Savino Gil Pugliese (C�rdoba)
09:15 - 09:45 hs.	IMPORTANCE OF NEUROSONOGRAPHY IN MATERNAL-FETAL MEDICINE Speaker: Prof. Dra. Ritsuko Pooh (Japan) VIDEOCONFERENCE Chair: Prof. Dr. Hern�n Mu�oz Salazar (Chile) Presenter: Prof. Dr. Jos� Ochoa (C�rdoba)
09:45 - 10:15 hs.	BASIC NEUROSONOGRAPHY Speaker: Prof. Dra. Magdalena Sanz Cortes (USA) VIDEOCONFERENCE Chair: Prof. Dr. Hern�n Mu�oz Salazar (Chile) Presenter: Dra. Victoria Vargas (La Plata)

10:15 - 10:50 hs. • COFFEE BREAK

10:50 - 11:30 hs.

ETHICS IN THERAPEUTIC DECISION-MAKING IN THE SYMBIOTIC MOTHER-FETUS RELATIONSHIP

Speaker: Prof. Dr. Doménico Arduini (Italy) **VIDEOCONFERENCE**

Chair: Prof. Dr. Mario S.F. Palermo | Presenter: Prof. Dr. Gabriele Tonni (Italy) **ONLINE**

Special participation of Residents from Armenia (Prof. Dr. Doménico Arduini)

11:30 - 12:30 hs. | SESSION I — FIRST TRIMESTER SCREENING AND SECOND TRIMESTER MARKERS

Chair: Dra. Gilda Gómez Mendoza (Tucumán) | **Coordinators:** Dra. Ana Espinoza (Bahía Blanca) - Dra. Celeste Brepe - Dra. Lucía Medina (Tucumán)

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| 11:30 hs. | First trimester screening and preeclampsia Dra. Danielle Sodré (Brazil) |
| 11:50 hs. | Detection of structural malformations in the first trimester of gestation Dra. Danielle Sodré (Brazil) |
| 12:10 hs. | sFlt-1/PIGF ratio: from prediction to decision-making Dra. Alicia Mazer Zumaeta (Córdoba) |

12:30 - 12:50 hs. • INTERVAL / BREAK

12:50 - 16:30 hs. | SESSION II — FETAL CARDIOLOGY

Chairs: Dr. Hernán Muñoz Salazar (Chile) - Dra. Eliana Raquel Ávila (Tucumán) – Dra. Nora Bueno (Córdoba)

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| 12:50 hs. | A comprehensive look at congenital heart diseases Dra. Jérica Aguilera (Córdoba) |
| 13:10 hs. | Cardiac fulcrum in the fetal heart Dr. Jorge Trainini (Bs As) Presenter: Dr. Alberto Sosa Olavarria (Venezuela)
VIDEOCONFERENCE |
| 13:30 hs. | Management of a newborn with heart disease Dra. Elena Portinaro (Italy) VIDEOCONFERENCE |
| 13:50 hs. | "My friend, the pulmonary artery" Dr. Carlos García Guevara (Cuba) VIDEOCONFERENCE |
| 14:10 hs. | Congenital heart disease screening: from diagnosis to treatment Dr. Hernán Muñoz Salazar (Chile) |
| 14:30 hs. | Heart rhythm disturbances Dra. Sofía Grinenco (Bs. As.) |
| 14:50 hs. | Ductus-dependent heart diseases and interventionism Dr. Pablo Marantz (Bs. As.) |
| 15:10 hs. | Chamber imbalance in the last trimester Dr. Esteban Vázquez (Bs. As.) |
| 15:30 hs. | Coarctation of aorta: a fetal diagnostic challenge Dra. Nora Bueno (Córdoba) |
| 15:50 hs. | Fetal cardiac tumors Dra. Analizia Astudillo (Bs. As.) VIDEOCONFERENCE |
| 16:10 hs. | The challenge of waiting for the newborn with Congenital Heart Disease Dr. Cristian Kreutzer (Bs. As.) |

16:30 - 16:50 hs. • COFFEE BREAK

16:50 - 18:30 hs. | SESSION III — COMPLICATIONS OF MONOCHORIONIC DIAMNIOTIC TWIN PREGNANCY

Chairs: Dr. Fabián Albornoz (Tucumán) - Dr. Juan Sebastián Pappalardo (Tucumán) | **Coordinator:** Dr. Fabricio Furtado (Brazil)
VIDEOCONFERENCE

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| 16:50 hs. | TTTS Dr. Lucas Otaño (Bs. As.) - Dr. Juan Otaño (Bs. As.) VIDEOCONFERENCE |
| 17:10 hs. | TAPS Dr. Savino Gil Pugliese (Córdoba) |
| 17:30 hs. | Selective FGR (CIR) Dr. Horacio Aiello (Bs. As.) VIDEOCONFERENCE |
| 17:50 hs. | TRAP Sequence Dr. Alejandro Pittaro (Bs. As.) |
| 18:10 hs. | Cardiac complications in monochorionic diamniotic twins Dra. Sofía Grinenco (Bs. As.) |

18:35 hs. — LECTURE: "FETAL MEDICINE IN LATIN AMERICA"

Speakers: Prof. Dr. Enrique Gil Guevara (Peru) – Prof. Dr. Saulo Molina (Colombia)

Chair: Prof. Dr. José Sanin (Colombia)

19:00 - 19:30 hs. — CONGRESS OPENING CEREMONY

THURSDAY, AUGUST 27

08:00 - 11:10 hs. | SESSION IV — NEUROSONOGRAPHY: FROM SCREENING TO TREATMENT

Chair: Prof. Dr. José Ochoa (Córdoba) | **Coordinators:** Dra. Victoria Vargas (La Plata) - Dr. José Gómez (Mendoza) - Dr. Wilson Ravenau (Tucumán)

08:00 hs.	Posterior fossa anomalies Prof. Dr. Saulo Molina (Colombia)
08:20 hs.	Cavum septi pellucidi: determining sign Prof. Dr. Saulo Molina (Colombia)
08:40 hs.	Fetal ventriculomegaly. Practical approach for the sonographer Dra. Anastasija Arechvo (London) VIDEOCONFERENCE - Dra. Victoria Vargas (La Plata)
09:00 hs.	Cystic brain images Prof. Dr. José Ochoa (Córdoba)
09:20 hs.	Use of artificial intelligence in fetal medicine Prof. Dr. Heron Werner (Brazil)
09:40 hs.	Assessment of the fetal spine and neural tube defects Prof. Dr. José Sanin (Colombia) - Prof. Dr. Heron Werner (Brazil)
10:10 hs.	Practical demonstration Prof. Dr. Heron Werner (Brazil)
10:25 hs.	Value of neurosonography for the diagnosis of neural tube defects Dra. Shiri Shinar (Canada) VIDEOCONFERENCE Presenter: Prof. Dr. José Ochoa (Córdoba)
10:45 hs.	Fetal hypoxic-ischemic damage Dra. Elisenda Eixarch (Barcelona) VIDEOCONFERENCE

11:10 - 11:30 hs. • COFFEE BREAK

11:30 - 13:00 hs. | SESSION V — THIRD TRIMESTER

Chair: Prof. Dr. Pedro Piris (Brazil) | **Coordinators:** Dr. Armando R. Goldman (Bs. As) - Dra. Nelda Castagnaro (Tucumán) - Dra. Cecilia Kanter (Tucumán)

11:35 hs.	Fetal anatomy and detection of malformations in the third trimester Dra. Danielle Sodr� (Brazil)
11:55 hs.	Importance of maternal and perinatal sequelae of preeclampsia Dr. Pedro Beltr�n (Mexico)

SESSION: INTRAUTERINE GROWTH RESTRICTION (IUGR / CIR) — Intro: Dr. Nicol s  vila (Catamarca)

12:15 hs.	Management of early IUGR Dr. Francesc Figueras (Barcelona) VIDEOCONFERENCE
12:40 hs.	Strategy for IUGR detection Dr. Nicol�s �vila (Catamarca)

13:00 - 13:30 hs. • INTERVAL / BREAK

13:30 - 15:45 hs. | SESSION VI — GENETICS IN FETAL MEDICINE

Chairs: Dra. Marianela Randazzo (Tucumán) - Dr. Wilson Ravenau (Tucumán) | **Coordinator:** Dr. Cristian Álvarez Sedó (Tucumán)
Discussants: Dra. Laura Igarzábal (Bs. As.) **ONLINE**, Dra. Florencia Petracchi (Bs. As.) **ONLINE**, Dra. Ivana B. Canonero (Córdoba)

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| 13:30 hs. | Ethical considerations and counseling patients with fetal malformations: a constantly evolving challenge Prof. Dra. Ana Bianchi (Uruguay) |
| 13:50 hs. | Cell-free DNA in maternal blood Prof. Dr. José María Pérez Penco (Uruguay) |
| 14:10 hs. | Skeletal dysplasias and their relationship with medical genetics Dr. Miguel Aguirre (Bs. As.) |
| 14:30 hs. | Preconceptional genetic counseling Dr. Antoni Borrell (Barcelona) VIDEOCONFERENCE |
| 14:50 hs. | Clinical application of the exome Dr. Antoni Borrell (Barcelona) VIDEOCONFERENCE |
| 15:10 hs. | Molecular fetal therapies Dr. Adolfo Etchegaray (USA) VIDEOCONFERENCE |

16:00 - 16:30 hs. • COFFEE BREAK

16:30 - 19:30 hs. | SESSION VII — FETAL SURGERY

Chairs: Prof. Dr. José Sanin (Colombia) - Dr. Mariano Palermo (Bs. As.) **VIDEOCONFERENCE** | **Coordinators:** Dr. Fabricio Furtado (Brazil) **VIDEOCONFERENCE** - Dr. Mario Palermo (Bs. As.) - Dra. Gilda Gómez (Tucumán)

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| 16:30 hs. | Vein of Galen aneurysm Dr. Miguel Ariel (Rosario) |
| 16:50 hs. | Myelomeningocele, comparative analysis of three techniques: open, percutaneous, and fetoscopic Dra. Magdalena Sanz Cortez (USA) VIDEOCONFERENCE |
| 17:10 hs. | Diaphragmatic hernia, from screening to treatment Prof. Dr. Enrique Gil Guevara (Peru) |
| 17:30 hs. | Laparoscopy-assisted spina bifida repair Prof. Dr. José Luis Peiró Ibáñez (USA) |
| 17:50 hs. | Robotic fetal surgery: Is it possible? Dr. Mariano Palermo (Bs. As.) VIDEOCONFERENCE - Prof. Dr. José Luis Peiró Ibáñez (USA) - Prof. Dr. Enrique Gil Guevara (Peru) |
| 18:20 hs. | Innovation in experimental robotic repair of myelomeningocele Dr. Tim Van Mieghem (Canada) VIDEOCONFERENCE Presenter: Dr. Mariano Palermo (Bs. As.) VIDEOCONFERENCE |
| 18:50 hs. | Current status of simulation in fetal medicine Prof. Dra. Ana Bianchi (Uruguay) |
| 19:10 hs. | Fetal surgery for myelomeningocele: urological outcomes Dra. Anahí Salomón (Bs. As.) |

19:30 HS. — BOOK PRESENTATION

"NEUROSONOGRAPHY: FROM SCREENING TO TREATMENT"

Presenter: Dr. José Ochoa (Córdoba)

Editors: Hernán Muñoz Salazar, Ritsuko Pooh, Mario Palermo, Heron Werner, José Ochoa, Giuseppe Rizzo, Kypros Nicolaides.

Co-editors: Doménico Arduini, José Sanin, José Gómez, Saulo Molina, Sergio de la Fuente, Victoria Vargas, Argyro Syngelaki, Anastasija Arechvo, Elisenda Eixarch, Magdalena Sanz Cortez, Ilenia Mappa, Francesco D'Antonio.

08:00 - 09:00 hs. | SESSION VIII — PROVINCIAL MATERNAL-FETAL MEDICINE NETWORK OF TUCUMÁN

Chairs: Dra. Cristina Majul (Tucumán) - Rosario García Mandujano (Mexico) - Dra. Juana Abarza (Tucumán) | **Coordinator:** Dra. Ana Beatriz Martínez (Tucumán)

- 08:00 hs.** Presentation of the provincial network with emphasis on care nodes (screening of various pathologies at different care levels) | Dra. Cristina Majul
- 08:20 hs.** Implementation of preeclampsia and aneuploidy screening in primary care | Dra. Rosario García Mandujano (Mexico)
- 08:30 hs.** How to implement telemedicine in maternal-fetal health? | Dr. Marcos Hermida (Bs As)

09:00 - 10:30 hs. | SESSION IX — ANOMALIES OF PLACENTAL INSERTION

Chairs: Prof. Dr. José Sanín (Colombia) - Prof. Dr. Miguel Huespe (Bs As) | **Coordinators:** Dr. Marcelo Marenchino (Tucumán) - Dra. Gilda Gómez Mendoza (Tucumán)

- 09:00 hs.** Placenta accreta - Pathophysiology | Dra. Silvina Dottavio (Santa Fe) - Dr. Marcelo Marenchino
- 09:20 hs.** Ultrasound in the delivery room: Why? When? And how? | Prof. Dra. Ana Bianchi (Uruguay)
- 09:40 hs.** Surgical conduct in placenta accreta | Prof. Dr. José Sanín (Colombia) - Prof. Dr. Miguel Huespe (Bs As)
- 10:10 hs.** Isthmocele - Evaluation in routine ultrasound and with hysterosonography | Prof. Dr. Felipe Fagundes Bassols (Brazil) **VIDEOCONFERENCE**

10:30 - 11:00 hs. • COFFEE BREAK

11:00 - 12:40 hs. | SESSION X — PRETERM BIRTH (SOGOTUC)

Chairs: Dr. Francisco Mauad Filho (ALAU - Brazil) **ONLINE** - Prof. Dr. Pedro Madrid (Venezuela) **ONLINE** | **Coordinators:** Dra. Silvia Gómez (Tucumán) - Dr. Gustavo Gambarte Vides (Tucumán)

- 11:00 hs.** Introduction to the issue of preterm birth | Dr. Alejandro Pittaro (Bs. As)
- 11:20 hs.** Tips for prediction and prevention of premature birth | Dr. Cesar Meller (Bs. As.) **VIDEOCONFERENCE**
- 11:40 hs.** Elastography: new marker of preterm birth? | Prof. Dr. Augusto Benedetti (ALAU - Brazil) **VIDEOCONFERENCE**
- 12:00 hs.** New technique in the application of elastography | Prof. Dra. Francisca Molina (Spain) **VIDEOCONFERENCE**
- 12:20 hs.** Fetal neuroprotection with magnesium sulfate | Prof. Dr. Miguel Ruoti Cosp (Paraguay)

12:45 - 13:15 hs. • INTERVAL / BREAK

13:15 - 14:10 hs. | SESSION XI — FETAL INTERVENTIONISM

Chair: Dr. Savino Gil Pugliese (Córdoba) | **Coordinators:** Dra. Juliana Moren (Bs. As.) - Dr. Ricardo Auad (Tucumán) - Dr. Gustavo Gambarte Vides (Tucumán)

- 13:15 hs.** Applicability of the TOTAL trial for CDH (HDC) in LATAM | Prof. Dr. Enrique Gil Guevara (Peru)
- 13:35 hs.** Myelomeningocele repair by mini-hysterotomy | Dr. Daniel Russo (Bs. As.)
- 13:55 hs.** Prenatal endoscopic treatment of fetal hydrocephalus: preclinical studies and clinical trial implementation | Prof. Dr. José Luis Peiró Ibáñez (USA)

14:15 - 17:00 hs. | SESSION XII — NEONATOLOGY SESSION

Chair: Dra. Norma Mortarotti | **Coordinators:** Dra. Nora Bueno (Córdoba) - Dra. Carolina Castagnaro (Tucumán)

14:15 hs.	Ensuring the first breath: strategies for advanced management of the perinatal airway Prof. Dr. Saulo Molina (Colombia)
14:35 hs.	Perinatal infections Prof. Dr. José Sanin (Colombia)
14:55 hs.	Ultrasound diagnosis of abdominal wall defects Dr. Martin Horenstein (Mendoza)
15:15 hs.	Treatment of abdominal wall defects Dr. Javier Svelitza (Bahía Blanca) VIDEOCONFERENCE
15:35 hs.	Ultrasound keys for a safe delivery Dr. Octavio Forti (Córdoba)
15:55 hs.	Evolution of congenital heart diseases from fetus to adult Dr. Christian Kreutzer (Bs. As.)
16:15 hs.	Provincial program for congenital heart disease Dra. Patricia Baselga (Tucumán)
16:35 hs.	General neonatal surgical pathology "From the delivery room to the operating room" Dra. Lucía Paladini (Tucumán)

17:00 - 18:45 hs. | SESSION XIII — FETAL MEDICINE RESEARCH MEETING

Chairs: Dra. Dolores Montes Varela (Bs. As.) - Dr. Alberto Agote | **Coordinators:** Dr. Marcelo Marenchino - Prof. Dr. Rodrigo Marañón
| **Presenter:** Prof. Dr. Mario Palermo

17:00 hs.	SNACS Trial: Is the second dose of corticosteroids necessary? Dra. Sarah McDonald, McMaster University (Canada) - Dra. Kellie Murphy, University of Toronto (Canada) VIDEOCONFERENCE
17:30 hs.	An innovation for Assisted Vaginal Delivery: Odon Assist trial Dr. Javier Schwartzman (CEMIC) - Dr. Hugo Krupitzki (CEMIC) (Also hands-on practice at the stand)
18:00 hs.	Nipocalimab vs placebo for the prevention of fetal anemia due to alloimmunization Dr. Savino Gil Pugliese (Córdoba)
18:20 hs.	Artificial Intelligence in the assessment of the fetal heart and brain Dra. Mercedes Uranga (Bs As) VIDEOCONFERENCE

18:45 - 19:15 hs. • COFFEE BREAK

19:15 hs. — CLOSING CEREMONY - Mention of selected award-winning papers

Authorities: Dr. LUIS MEDINA RUIZ - Prof. Dra. LILIANA TEFAHA - Prof. Dr. MARIO PALERMO