

**World
ophthalmic
ultrasound
congress**

Cartagena
2024

18 - 21 SEPTEMBER

Academic Program



It is a great honor to organize and present the XXIX SIDUO World Ultrasound Congress in the historic city of Cartagena, Colombia - a UNESCO World Heritage site. Since the inaugural congress in Berlin in 1964, this event has served as a pivotal gathering for ocular ultrasound enthusiasts. Now, 60 years later, we reconvene in Colombia to reaffirm the vital role of ultrasound, in its various modalities, within contemporary ophthalmological practice.

Over the years, ultrasound technology has evolved significantly, thanks to pioneers who have driven innovation, implementation, diagnostic support, and academic training. We are privileged to honor figures like Karl Ossoinig, Charles Pavlin, Wolfgang Haigis, and Eduardo Moragrega for their invaluable contributions, which will be highlighted throughout this event.

Our comprehensive academic program will provide a platform to explore and discuss critical topics in Ocular Biometry, conventional B-Mode Ultrasound, Standardized Ultrasound, UBM, and Doppler Ultrasound.

Beyond the academic exchange, this congress offers a unique opportunity to strengthen the bonds of friendship and to reaffirm that SIDUO is, above all, a global family of friends and enthusiasts dedicated to the advancement of ocular ultrasound.

Ramiro Prada
President, XXIX SIDUO World
Ultrasound Congress

SIDUO Executive Board

Mario De La Torre, MD
President

Gilberto Islas, MD
Secretary

Olivier Bergès, MD
Vice-President

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XXIX SIDUO Organizing Committee

Ramiro Prada, MD
President XXIX SIDUO
Congress

Andrea Vásquez, MD
Organizing Committee

XXIX SIDUO Academic Committee

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Colombia

Andrea Vásquez, MD
USA

Norma Allemann, MD
Brazil

Gabriela Quesada, MD
Peru

Catalina Becerra, MD
Mexico

Elisabeth Frieling Reuss, MD
Germany

Olivier Bergès, MD
France

María Fernanda Sánchez, MD
Argentina

Speakers



Ramiro Prada, MD
Opening Ceremony

Surgeon and specialist in ophthalmology from the National University of Colombia; supraspecialty in Ocular Ultrasound, National Ophthalmological Foundation Bogota Colombia. University Professor, international lecturer in the area of ocular ultrasound, member and former president of CLEO, SIDUO member, member and former president of the Colombian Society of Ophthalmology, member of the Pan American Association of Ophthalmology.



Mario De La Torre, MD
Wolfgang Haigis Conference

- Dr. in Medicine.
- Medical Director of Quantel Medical by Lumibird
- President of the Siduo,
- President of the CLEO Latin American Council of Ocular Ultrasound.
- Professor Universidad Nacional Mayor de San Marcos. Lima Peru.
- Medical Director of the DLT Ophthalmological Diagnostic Center.



Norma Allemann, MD
Charles J Pavlin Conference

- Professor in Ophthalmology, Head of Discipline.
- Coordinator, Specialization Program in Ophthalmic Ultrasonography.
- Advisor, Postgraduate Program in Ophthalmology & Visual Sciences.
- Department of Ophthalmology, UNIFESP – Federal University of Sao Paulo.
- Fellowship, Cornell University – New York Hospital.
- Visiting Professor, UIC – University of Illinois at Chicago.
- President, Brazilian Society of Ophthalmic Echography.



Olivier Bergès, MD
Karl C. Ossoinig Conference

- MEDICAL DOCTOR: Thesis in 1978.
- SPECIALITY IN RADIOLOGY: Paris Faculté de Médecine 1980
- Deputy Department Head, Medical Imaging Department, Rothschild Foundation Hospital PARIS, FRANCE. 1986–2022, responsible of the Ultrasound Unit.
- French Society for Diagnostic Ophthalmic Ultrasound (C.T.E.R.E.O): Founding member and Secretary 1989 – 2003. Vice-President in charge of International Relationships since 2003–2022. President 2022–Present



Vincenzina Mazzeo, MD
Jules Francois Conference

Graduated in Medicine in July 1972, specialized in Ophthalmology and in Neurology. Researcher then associate professor of pediatric ophthalmology. 1995– 2001 Head of the NHS Ophthalmology Department of Feltre (BL), Italy. Her interest in clinical ultrasound dates back to 1973, when she also started some basic research on ultrasound biologic effects and tissue characterization. Her major interests were ophthalmic ultrasonography especially as tumor diagnostic tool. She wrote the first Italian book on ophthalmic ultrasonography.



Cecilio Velasco, MD
Eduardo Moragrega Conference

- Chief of Anterior Segment Service at APEC.
- Chief of Ultrasound Service at APEC.
- President of Mexican Center of Ocular Ultrasound. President of Mexican Center for Cataract and Refractive Surgery.
- President of Latin American Council of Ultrasound in Ophthalmology.
- National and International Lecturer with over 140 presentations.
- 40 articles published in various national and international journals.
- Publication of 6 books as author or co-author.

Academic Program

18th
Wednesday

12:00 – 14:00 REGISTRATION				
14:00–14:15 OPENING CEREMONY				
Mario De La Torre, Eduardo Moragrega, Ramiro Prada, Andrea Vásquez				
14:15 - 14:20	Presenting the Scientific Committee Chairwoman			Andrea Vásquez
14:20– 17:20 SESSION 1 BIOMETRY AND IOL CALCULATION				
Moderators: Cecilio Velasco Barona, Fernando Mora				
14:20		Introduction to Prof. Wolfgang Haigis Conference	Ramiro Prada	5 min
14:25	1	Wolfgang Haigis Conference Swept Source biometry, beyond the manual	Mario de La Torre	25 min
14:50	2	Comparison of axial length measurements by A-mode and B-mode ultrasound with immersion technique considering the respective ultrasound velocities for each interface	Moravia Suarez-Tatá	10 min
15:00	3	Accuracy of intraocular lens power calculation formulas in patients with average keratometry higher than 46 Diopters	Rebeca Devereux García	10 min
15:10	4	New pearls for toric IOL calculations	Rhonda G. Waldron	10 min
15:20	5	Update on post-refractive surgery IOL measurements and calculations	Rhonda G. Waldron	10 min
15:30	DISCUSSION			15 min
15:45–16:05 COFFEE BREAK				
Moderators: Cecilio Velasco Barona, Fernando Mora, Mario De La Torre				
16:05	6	Evolution of IOL calculation formulas	Felipe Taguchi	25 min
16:30	7	New concepts of ultrabiomicroscopy in phakic lenses	Adilene Zaragoza Herrera	10 min
16:40	8	Utilizing UBM for phakic ICL sizing	Rhonda G. Waldron	10 min
16:50	9	Comparison of formulas on the size selection accuracy of phakic intraocular lenses for vault prediction	Linett Bahena Torres	10 min
17:00	10	The benefits of UBM on complicated ICL surgery	Fernando Mora Gonzalez	10 min
17:10	DISCUSSION			15 min
17:30–20:30 SIDUO Welcome Reception				

19th
Thursday

7:30-8:20	SIDUO Executive Board Meeting	SIDUO Executive Board members only
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8:20- 10:30	SESSION 2 STANDARDIZED OR NON-STANDARDIZED B-SCAN ULTRASOUND		
	Moderators: Mario De La Torre, Eduardo Moragrega Adame, Gabriela Quezada		
8:20	Introduction to Prof. Eduardo Moragrega Adame Conference		Ramiro Prada 5 min
8:25	11	Eduardo Moragrega Conference Angle Alpha and Kappa: Role for indication in MFL IOL	Cecilio Velasco Barona 25 min
8:50	12	The new therapeutic options in severe Graves Orbitopathy. How standardized echography helps making a good decision.	Elisabeth Frieling-Reuss 10 min
9:00	13	Clinical and imaging characteristics of orbital metastasis tumors: a single institution case series	Bernadete Ayres 10 min
9:10	14	Clinical and echographic characteristics of patients with IgG4-related disease during a period of 10 years in an ophthalmological reference center	Mariana Mayorquín Ruiz 10 min
9:20	DISCUSSION		15 min
9:35	15	The importance of Coleman's sign in the ultrasound evaluation of the optic nerve	Breno Teixeira Lino 10 min
9:45	16	Ultrasound biomarkers predicting closure in traumatic cyclodialysis	Angel García 10 min
9:55	17	Peripheral exudative hemorrhagic corioretinopathy (PEHCR). A challenging clinical and echographic diagnosis in a patient with dense cataract	Roberto Cárdenas Almagro 10 min
10:05	18	Choroidal metastases as a primary manifestation of adenocarcinoma of the esophagus	Ariel Prado Serrano 10 min
10:15	DISCUSSION		15 min
10:30-10:50	COFFEE BREAK		
10:50-12:30	SESSION 3 STANDARDIZED OR NON-STANDARDIZED B-SCAN ULTRASOUND		
	Moderators: Gilberto Islas, Ramiro Prada, Elisabeth Frieling-Reuss		
10:50	19	Ultrasonographic evaluation of an unusual case of unilateral synophthalmia	Daniel Colombero 10 min
11:00	20	Ultrasonographic findings in patients with fungal endophthalmitis at an ophthalmologic center	Ana Patricia Bustamante Vargas 10 min
11:10	21	Significance of retinal cyst in retinal detachment	Keila Abreu Arias 10 min
11:20	DISCUSSION		15 min
11:35	22	Anterior necrotizing scleritis associated with C-Ancas. Report of a case.	Humberto Wong-Chavarria 10 min
11:45	23	An ultrasound approach to Ciliochoroidal melanoma at an unusual age	Martha Angelica Pimentel García 10 min

11:55	24	Retinal detachment secondary to intraocular lens dislocation in a patient with psoriasis	Edgar Rafael Carazo Vargas	10 min
12:05	25	Bilateral persistent hyperplastic primary vitreous: ultrasound approach	Lizeth Jiménez Santana	10 min
12:15	DISCUSSION			15 min

12:40 – 14:00	Midday Industry Lunch Symposium			
	Why do we need ophthalmic ultrasound?		Lumibird Medical	
	UBM in glaucoma		Gabriela Quezada	
	Standardized A mode for tumors		Mario De La Torre	
	B Mode 20 MHz 5 rings		Gilberto Islas	

14:00 – 16:00	SESSION 4 OPHTHALMIC DOPPLER ULTRASOUND			
	Moderators: Olivier Bergès, Catalina Becerra, Norma Allemann			
14:00	Introduction to Prof. Karl C. Ossoinig Conference		Ramiro Prada	5 min
14:05	26	Karl C. Ossoinig Conference Color Doppler Imaging - developments, indications, specific information	Olivier Bergès	25 min
14:30	27	Use of CDI in the prognosis and diagnosis of glaucoma	Keila Arias Abreu	10 min
14:40	28	Contribution of ultrasound in the evaluation of vitreo-retinal dysplasia	Olivier Bergès	10 min
14:50	29	Color doppler and ultrasonography findings of persistent fetal vasculature	Norma Allemann	10 min
15:00	DISCUSSION			15 min
15:15	30	Ultrasound evaluation of soft tissue fillers complications in ophthalmology: Color doppler and UBM findings	Catalina Becerra	10 min
15:25	31	Use of B-Scan, UBM and doppler ultrasound for evaluation of a patient with congenital corneal opacity	Iván Arturo Flores Cenicerros	10 min
15:35	32	Eco-guided bleomycin for orbital hemangioma	Silvia Vega Cuenca	10 min
15:45	DISCUSSION			15 min
16:00–16:20	COFFEE BREAK			
16:20–18:20	SESSION 5 B-MODE ULTRASOUND			
	Moderators: Vincenzina Mazzeo, Eduardo Moragrega, Bernadete Ayres			
16:20	Introduction to Jules François Conference		Ramiro Prada	5 min
16:25	33	Jules François Conference The SIDUO history: As times went by	Vincenzina Mazzeo	35 min
17:00	34	B-scan technique for a novel targeted treatment for choroidal melanoma in research	Rhonda G. Waldron	10 min
17:10	35	Ultrasound findings in patients referred for preoperative assessment for cataract surgery	Carlos A. Talero Tovar	10 min
17:20	36	Senile cataract with unusual ultrasound presentation: About a case	Rafael Moreno	10 min
17:30	DISCUSSION			15 min

17:45	37	Two large intraocular foreign bodies: a challenging case	Norma Allemann	10 min
17:55	38	Bilateral nevus of Ota	Renato Landre Fileti	10 min
18:05	39	Clinical case: Intraocular metallic foreign body	Gabriela P Pellegrini	10 min
18:15	DISCUSSION			15 min
18:35-18:50	Honor Ceremony		Andrea Vásquez	
18:50-19:30	General Assembly		All participants	
	Mario De La Torre, Gilberto Islas, Ramiro Prada			

20th
Friday

8:30 - 17:30	One day tour
19:00 - 23:00	GALA DINNER

21st
Saturday

8:20-10:40	SESSION 6 UBM, HIGH FREQUENCY ULTRASOUND, OCT			
	Moderators: Mario de La Torre, Alfredo Triviño, Norma Allemann			
8:20	Introduction to Prof. Charles J. Pavlin Conference		Ramiro Prada	5 min
8:25	40	Charles J. Pavlin Conference: High frequency ultrasound Eye, periorbita and beyond	Norma Allemann	25 min
8:50	41	UBM characteristics in patients with closed angle glaucoma	Robert Graciano	10 min
9:00	42	Risk matrix of argentinian flag sign in white cataract guided ultrabiomicroscopy	Julio Gabriel Rodríguez Rodríguez	10 min
9:10	43	Assessment of the zonules by UBM KKESH experience	Abdulrahman H. Algaed	10 min
9:20	44	Use of UBM for evaluation of an iris mass after cataract surgery	Iván Arturo Flores Cenicerros	10 min
9:30	DISCUSSION			15 min
9:45	45	Kinetic utrasound recording of zonular incompetence in pseudoexfoliative syndrome. About a case	Rafael Moreno	10 min
9:55	46	UBM in the evaluation of ciliary processes, implication in the treatment subcycle and thermocycle	Mario De La Torre	10 min
10:05	47	Ultrabiomicroscopic evaluation in a patient with LCAT mutation, a case report	Nelson Andres Rincón Tovar	10 min
10:15	48	Cyclodialysis secondary to phacoemulsification and Kahook dual blade resolved with direct cyclohexy	Edgar Rafael Carazo Vargas	10 min
10:25	DISCUSSION			15 min
10:40 - 11:00	COFFEE BREAK			

11:00 – 12:30				
SESSION 7 SIDUO WOMEN SYMPOSIUM				
Moderators: Andrea Vásquez, Catalina Becerra				
11:00	49	Ultrasound biomicroscopy findings in retinal vasoproliferative tumors	Catalina Becerra Revollo	10 min
11:10	50	Multimodal imaging in bilateral diffuse uveal melanocytic proliferation	Bernadete Ayres	10 min
11:20	51	Ring melanoma of the ciliary body: a case report	Eridani Mayora	10 min
11:30	52	CYPIB1 Cytopathy: Uncommon phenotype of a homozygous CYPIB1 deletion as internal corneal ulcer of Von Hippel. Case study: Ultrabiomicroscopy (UBM), B-scan and A-scan biometry	Mariana Takane-Imay	10 min
11:40	DISCUSSION			15 min
11:55	53	Correlation of anterior segment structure measurements with the iridocorneal angle using UBM in population with suspected angle closure	Sara Isabel Ospina	10 min
12:05	54	Biomicroscopy ultrasound and Uveitis-Glaucoma-Hyphema syndrome with lens in the bag	María Fernanda Sánchez	10 min
12:15	55	Secondary angle closure following panretinal yellow Pascal laser photocoagulation	Mariela Ramírez	10 min
12:25	DISCUSSION			10 min
12:40–14:00 LUNCH				
14:00 – 16:45				
SESSION 8 INNOVATION, MULTIMODAL IMAGING				
Moderators: Oliver Stachs, Mariana Mayorquín, Daniel Colombero				
14:00	56	Multimodal ophthalmic imaging - Innovations and frontier applications	Oliver Stachs	25 min
14:25	57	Intravitreal dexamethasone implant (Ozurdex®) findings over time: ultrasound and ultra-widefield fundus photography	Gabriela Pellegrini	10 min
14:35	58	Strain ultrasonic elastography in eye tumors	Juan Martín Samame	10 min
14:45	59	Unusual presentation of a dislocated IOL	Ana Marisa Castello Branco	10 min
14:55	60	The various faces of ultrasound: when a lesion defies diagnosis	Noe Alejandro Reyes Linares	10 min
15:05	61	Multimodal imaging in iris retraction syndrome	Larissa Cervera Perez	10 min
15:15	DISCUSSION			15 min
15:30 – 15:45 COFFEE BREAK				

	Moderators: Oliver Stachs, Mariana Mayorquín, Daniel Colombero			
15:45	62	Perspective on the future of ocular echography	Daniel Colombero	15 min
16:00	63	To compare ultrasound, optical coherence tomography and fluorescein angiography in central serous chorioretinopathy. About a case.	Rafael Moreno	10 min
16:10	64	A multimodal approach to ocular toxocariasis	Miriam Azucena Torres León	10 min
16:20	65	Evaluation of retinochoroidal thickness by EDI-OCT and ultrasonography in healthy eyes	Zaira Lizette Jiménez Díaz	10 min
16:30	DISCUSSION			15 min
16:45	Closing Remarks			
	Mario De La Torre, Ramiro Prada, Andrea Vásquez			

POSTER				
1	66	Ultrasound the ophthalmological tool in corneal leukomas	Mariana Takane-Imay	

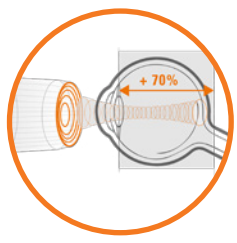


IMAGING
EXCELLENCE



A/B/S/UBM Ultrasound Platform

20 MHZ ANNULAR TECHNOLOGY



INTEGRATED MOTION SENSOR

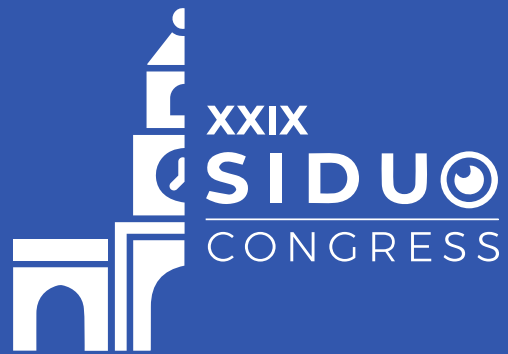


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