Program

World Action Plan for ROP: An avoidable visual disability
## Inscripciones

<table>
<thead>
<tr>
<th>Categoría</th>
<th>31 mayo a 16 de Agosto de 2017</th>
<th>En sitio</th>
</tr>
</thead>
<tbody>
<tr>
<td>Miembro SMO</td>
<td>$3,500.00 MN</td>
<td>$4,500.00 MN</td>
</tr>
<tr>
<td>Miembro de la Federación Mexicana de Neonatología</td>
<td></td>
<td></td>
</tr>
<tr>
<td>No Miembro (mexicano)</td>
<td>$5,500.00 MN</td>
<td>$6,500.00 MN</td>
</tr>
<tr>
<td>Residente, Enfermera o Técnico en formación mexicano</td>
<td>$1,700.00 MN</td>
<td>$2,000.00 MN</td>
</tr>
<tr>
<td>Oftalmólogo o Neonatólogo extranjero</td>
<td>$275.00 USD</td>
<td>$325.00 USD</td>
</tr>
<tr>
<td>Residente, Enfermera o Técnico en formación extranjero</td>
<td>$85.00 USD</td>
<td>$100.00 USD</td>
</tr>
<tr>
<td>Miembros SP-ROP</td>
<td>$175.00 USD</td>
<td>$225.00 USD</td>
</tr>
</tbody>
</table>

## Hotel Ritz-Carlton Cancún

**$142.50 USD**  
(+ 16% IVA + 3% ISH)

Tarifa por habitación, por noche, plan europeo, incluyen propinas  
Cargo adicional de $60.00 USD +16% IVA + 3% ISH  
Por persona extra, por habitación, por noche

Informes e inscripciones:  
www.ropworldcongress.com  
rop2017@servimed.com.mx
World Action Plan for ROP: An avoidable visual disability

World ROP Congress 2017

Executive Vice President
Luis Porfirio Orozco Gomez / Mexico

Honorary Chair
Clare Gilbert / UK

Organization secretaries
Stephanie Voorduin Ramos / Mexico
Adriana Valdes Barrena / Mexico

Scientific Programme Committee
Graham Quinn / USA
Anna Ells / Canada
Andrea Zin / Brazil
Brian Darlow / New Zealand
Clare Gilbert / UK
Rajvardhan Azad / India
Luz Consuelo Zepeda Romero / Mexico
Luis Porfirio Orozco Gomez / Mexico
Marco Antonio de la Fuente Torres / Mexico
Mónica Villa Guillen / Mexico
Leonor Hernandez Salazar / Mexico
Maria Jovita Plascencia Ordaz / Mexico
Joao Borges Fortes Filho / Brazil

Technical Exhibition
Marco Antonio de la Fuente Torres / Mexico

Logistics
B.P.Servimed
Begoña Bisteni
José Manuel Bisteni

Social Programme
Adriana Valdes Barrena / Mexico
### World Action Plan for ROP: An avoidable visual disability

#### Thursday August 31st, 2017

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:00</td>
<td>Registration</td>
</tr>
<tr>
<td>15:00</td>
<td><strong>Workshop 1:</strong> Quality improvement in neonatal care</td>
</tr>
<tr>
<td></td>
<td>Lead: Ashok Deorari</td>
</tr>
<tr>
<td></td>
<td><strong>Workshop 2:</strong> Imaging for ROP</td>
</tr>
<tr>
<td></td>
<td>Lead: Marco Antonio de la Fuente Torres</td>
</tr>
<tr>
<td></td>
<td><strong>Workshop 3:</strong> The Importance of brain health in ROP</td>
</tr>
<tr>
<td></td>
<td>Lead: Ana Maria Beauregard</td>
</tr>
<tr>
<td>15:30</td>
<td>Council Meeting</td>
</tr>
<tr>
<td>17:30</td>
<td><strong>Inauguration</strong></td>
</tr>
<tr>
<td></td>
<td>Graham Quinn / Master of Ceremonies</td>
</tr>
<tr>
<td></td>
<td>Welcome to ROP Congress</td>
</tr>
<tr>
<td></td>
<td>Luis Porfirio Orozco Gomez</td>
</tr>
<tr>
<td></td>
<td>Introduction of ROP Congress</td>
</tr>
<tr>
<td></td>
<td>Clare Gilbert</td>
</tr>
<tr>
<td></td>
<td>Gabriel O’Shea Cuevas</td>
</tr>
<tr>
<td></td>
<td>Opening Ceremony</td>
</tr>
<tr>
<td></td>
<td>Mayan Ceremony</td>
</tr>
<tr>
<td></td>
<td>Acknowledgements Ceremony: Reports on previous World ROP Congresses</td>
</tr>
<tr>
<td></td>
<td>Lithuania 2006: Rasa Bagdonione</td>
</tr>
<tr>
<td></td>
<td>India: 2009: Rajvardhan Azad</td>
</tr>
<tr>
<td></td>
<td>Shangai 2012: Yi Chen</td>
</tr>
<tr>
<td></td>
<td>Cancun 2016: Luis Porfirio Orozco Gomez</td>
</tr>
<tr>
<td>18:30</td>
<td><strong>ROP around the world</strong></td>
</tr>
<tr>
<td></td>
<td>ROP in Central and South America: factors associated with successful programmes</td>
</tr>
<tr>
<td></td>
<td>Juan Carlos Silva / PAHO</td>
</tr>
</tbody>
</table>
Scaling up ROP programmes in India: challenges and progress
Gudlavalleti Venkata Satyanarayana Murthy / India

Control of ROP in China: challenges and progress
Yi Chen / China

The emerging threat of ROP in Africa
Rosaline Duke / Nigeria

19:30  Welcome Reception (video)
Mayan Reception

20:30  Faculty dinner
Friday September 1st, 2017

07:00 Breakfast with the experts / view posters

1. Antiangiogenics
2. Neonatal Care in ICU

1. Lead: Martin Flores
2. Lead: Maria Jovita Plascencia Ordaz
   Juan Carlos Bravo Ortiz.

08:00 SESSION 1: Preterm birth

The global agenda for babies born too soon: Challenges and prospects
Ashok Deorari / India

ROP as a cause of blindness and the population at risk
Clare Gilbert / UK

Prevention of preterm birth: experiences from Cuba
Gisela Coca / Cuba

Neonatal care in Mexico / neonatologists perspectives
Víctor Manuel Villagran Muñoz / Mexico

Neonatal care in Mexico / nurses perspectives
Dafne Fanny Marcel / Mexico

Parents as part of the team
Angela Maria Fernandez / Colombia

Reduction in blindness due to ROP in Argentina
Alicia Benitez / Argentina
Friday September 1st, 2017

9:30  Coffee break

10:00  **SESSION 2: Pathogenesis of ROP and predictive factors**

Pathogenesis - new concepts  
Lois Smith / USA (by video link)

Role of the oxygen in ROP  
Monica Villa Guillen / Mexico

Predictors of ROP: weight gain, IGF  
Gil Binenbaum / USA

Pharmacological interventions for ROP  
Jacob Aranda JV / USA

**Rapid fire papers / Discussion**  
Lead: Graham Quinn

Poor weight gain and ROP  
Sila Bal / USA

Thrombocytopenia as a risk factor for the development of ROP in the Postnatal Growth and ROP (G-ROP) Study  
Alejandra G. de Alba Campomanes / USA

The role of TGF-β1 in the pathogenesis of ROP  
Nataly Osipova / Russia

Risk factors for the development of plus disease in the telemedicine approaches to evaluating of acute-phase ROP (e-ROP) study  
Gui-shuang Ying / USA

11:30  Coffee break
12:00  **SESSION 3: Prevention of ROP**

Care during the first golden hour  
Ashok Deorari / India

Automated systems for delivering and monitoring oxygen  
Juan Carlos Barrera / Mexico

The role of nurses in preventing visual loss from ROP  
Elisa Ramos Padilla / Mexico

The role of the pediatrician / neonatologists in preventing ROP  
Raul Villegas Silva / México

Parent engagement including kangaroo care  
Zandra Grosso / Colombia

**Rapid Fire Papers / Discussion**  
Lead: Alejandra G. de Alba Campomanes

A practical and effective approach to the prevention of childhood blindness due to ROP in Peru  
Luz Gordillo / Peru

More than a decade of surveillance of retinopathy of prematurity (ROP within a National Program in Argentina)  
Alicia Benitez / Argentina

13:30  **Lunch**

14:00  **Workshop 4:** Strategies to prevent brain damage in the premature  
Lead: Brian Darlow / New Zealand

**Workshop 5:** Kangaroo care and more  
Lead: Zandra Grosso / Colombia

**Workshop 6:** Management of difficult cases of ROP  
Lead: Graham Quinn / USA
07:00 Breakfast with the experts / View posters

1. Surgery: Stage IV and V
2. Perinatal strategies for ROP prevention

1. Violeta Robredo
2. Monica Villa Guillen
   Juan Carlos Bravo Ortiz

08:00 SESSION 4: Imaging in ROP Screening

Ret Cam
Luz Consuelo Zepeda Romero / Mexico

Smartphone
Pedro Julio Acevedo / Colombia

Teleophthalmology
Diego Ossandon Villaseca / Chile

Fluorescein angiography: findings and usefulness
Domenico Lepore / Italy

Optical coherence tomography
Cindy Toth / USA

Potential for a paradigm change in screening using new technology
Anand Vinekar / India

Rapid Fire papers / Discussion
Lead: Alejandra G. de Alba Campomanes

Optical coherence tomography angiography in ROP
J. Peter Campbell / USA
Saturday September 2nd, 2017

Evaluating the use of a portable, non-contact fundus camera for ROP screening by non-ophthalmologist health care workers
S. Grace Prakalapakorn / USA

Outcomes of Telescreening for Retinopathy of Prematurity in Rural South India
The Aravind Experience.
V. Narendran / India

9:30 Coffee break

10:00 SESSION 5: Treatment of ROP

Anti-VEGF agents – ophthalmologists perspectives
Anna Ells / Canada

Anti-VEGF agents – neonatologists perspectives
Brian Darlow / New Zealand

Experience of combined therapy in Mexico
Leonor Hernandez Salazar / Mexico

Prophylactic peripheral laser and fluorescein angiography after bevacizumab for ROP
Michael Blair / USA

Anti-VEGF agents - Panel discussion
Lead: Anna Ells / Canada
Brian Darlow / New Zealand
Helen Mitz Hittner / USA
Gabriel Dib / Venezuela
Abdiel Esquivel / Mexico
Juan Carlos Barrera / Mexico

Laser treatment of difficult cases
Mangat Dogra / India
Rapid Fire papers / Discussion
Lead: Luz Consuelo Zepeda Romero

Treatment-naïve advanced ROP: missing links in the chain of events leading to late presentation in Eastern India
Tapas Ranjan Padhi / India

A Phase 1 dosing study of bevacizumab for ROP: plasma sVEGF levels and 6 month outcomes
David Wallace / USA

11:30 Coffee break

12:00 SESSION 6: Follow up of preterm infants with and without ROP and rehabilitation. Other topics

How to set up and run an efficient and effective ROP program
Andrea Zin / Brazil

Cortical visual impairment and ROP
Silvia Moguel Ancheita / Mexico

Refractive errors
P. Vijaylakshmi / India

Rehabilitation of infants and children with visual loss from ROP
Vanessa Bosch / Mexico

Surgery for Stage 4 ROP: Panel Discussion
Lead: Rajvardhan Azad / India
Noriyuki Azuma / Japan
Lam Wai Ching / Canada
Khaled Tawansy / USA
Subhadra Jalali / India
Saturday September 2\textsuperscript{nd}, 2017

**Rapid Fire Papers / Discussion**
Lead: Andrea Zin

Visual outcomes at age 27-29 years in a national cohort of VLBW infants in New Zealand
Brian A. Darlow / New Zealand

Retinal vessel architecture in young adults born extremely preterm
Clare Wilson / UK

Review and new insights on the ocular manifestations in congenital zika syndrome
Camila Ventura / Brazil

---

**13:30**  
**Lunch**

**14:00**  
**Workshop 7:** How to deliver oxygen safely  
Lead: Maria Jovita Plascencia Ordaz

**Workshop 8:** Setting up a telemedicine service  
ROP NET  
Lead: Juan Ubiera

**Workshop 9:** Beyond ROP  
Lead: Silvia Moguel Ancheita

---

**15:30**  
**Closing ceremony**
Breakfast with experts / View posters

7:00 September 1st, 2017

Ophthalmologists / Antiangiogenics
Lead: Martin Flores
Experts: Jorge Gutierrez
Abdieel Esquivel
Gabriel Ochoa Maynes
Helen Mitz Hittner
Citlali Lara

Nurses / Neonatal care in ICU
Lead: Maria Jovita Plascencia Ordaz
Experts: Alicia Matilde Benitez
Zandra Grosso
Javier Perez Gutierrez
Elisa Ramos Padilla

September 2nd, 2017

Ophthalmologists / Surgery: Stage IV and V
Lead: Violeta Robredo
Experts: Ermilo Sanchez Buenfil
Lam Wai Ching
Kaleb Tawansy
Paray K. Shah

Neonatologists / Perinatal strategies for ROP prevention
Lead: Monica Villa Guillen
Experts: Raul Villegas Silva
Manuel Cazares Ortiz
Juan Carlos Barrera
Edith Gonzalez
Brian Darlow
Workshops

15:00  **August 31st, 2017**

1. Quality improvement in neonatal care / Neonatologists, nurses  
   Ashok Deorari / India

2. Imaging for ROP (Market place) / Ophthalmologists  
   Marco Antonio de la Fuente Torres / Mexico

3. The importance of brain health in ROP / Ophthalmologists  
   Ana Maria Beauregard / Mexico

14:00  **September 1st, 2017**

4. Strategies to prevent brain damage in the premature / Neonatologists  
   Brian Darlow / New Zealand

5. Kangaroo care and more / Nurses, neonatologists  
   Zandra Grosso / Colombia

6. Management of difficult cases of ROP / Ophthalmologists  
   Graham Quinn / USA

7. How to deliver oxygen safely / Nurses  
   Maria Jovita Plascencia Ordaz / Mexico

8. Setting up a telemedicine service ROP NET / Ophthalmologists  
   Juan Ubiera / Dominicana Republic

9. Beyond ROP / Ophthalmologists  
   Silvia Moguel Ancheita / Mexico
Workshops

**WORKSHOP 1 Quality improvement in neonatal care**
Lead: Ashok Deorari / India
During the Workshop on Quality Improvement (QI ) you will learn the step-wise team approach to identifying a problem, and how to prioritize and develop a SMART aim. Using tools for assessing the root causes of a problem based on routine health facility data, you will also learn how to test possible solutions in plan-do-study-act cycles (PDSA) for improved health care. Experts will share best practices for the management of sick premature babies and how to embrace principles of QI for better quality of care.

Avoiding infections
Alicia Benitez / Argentina

Cardiopulmonary care
Victor Manuel Villagran Muñoz / Mexico

Breastfeeding benefits
Antonio Calderon Moore / Mexico

Brain images to look for damage
Manuel Cazares Ortiz / Mexico

Learning from QI: simple tips
Ashok Deorari / India

**WORKSHOP 2 Imaging for ROP (Market Place)**
Lead: Dr. Marco Antonio de la Fuente Torres / Mexico
In this workshop the assistant will obtain the knowledge of the main techniques and current equipment to obtain images of patients with ROP, as well as the main advantages and disadvantages of each technique and / or equipment. From the usual technique of indirect ophthalmoscopy, through inserts to obtain images via smart phones, use of RETCAM with or without fluorangiography, as well as OCT in preterm infants and new systems for detection and screening in ROP.
World Action Plan for ROP: An avoidable visual disability

Workshops

Indirect Ophthalmoscopy
Alfonso Almeida / Ecuador
Jose Fernando Perez Perez / Mexico

RetCam
Luz Consuelo Zepeda Romero / Mexico
Luz Gordillo / Peru

FAG
Domenico Lepore / Italy

OCT
Cindy Toth / USA

NEO Imaging System
Chandrakekar, Forus / India

ICON Imaging System
Bert Massey, Phoenix / USA

WORKSHOP 3 The Importance of brain health in ROP
Lead: Ana Maria Beauregard / Mexico
This workshop will address the tools for an integral examination of the vision, and how to carry out visual stimulation or rehabilitation according to the age of the infant to achieve a better development. Each presentation will last 10 minutes and we will have 30 minutes of discussion.

Specialized clinical history
Irma Zamudio / Mexico

Visual perception
Vanessa Bosch / Mexico

What happens when the children don’t make synapses?
Rosana Vidal Pineda / Mexico

Associated damage in ROP and clinical signs
Angela Maria Fernandez / Colombia
Workshops

Avoiding brain damage in anesthesia
Elena Peralta / Mexico

Visual rehab in school age children with ROP sequel
Ana Maria Beauregard / Mexico

WORKSHOP 4 Strategies to prevent brain damage in the premature
Lead: Brian Darlow / Australia
The retina is an extension of the CNS and the eye a window to the brain. This session will review current interest in both nutritional practices/supplements and pharmacological agents targeting oxidative injury, inflammation and alterations in growth factors that affect both organs and may lead to neuroprotection and impact upon ROP and longer term outcomes. Each presentation will last for 10 minutes and there will be 30 minutes for questions and discussion.

Prenatal steroids
Monica Villa Guillen / Mexico

Magnesium sulfate
Edith Gonzalez / Mexico

Caffein
Antonio Calderon Moore / Mexico

Nutrition
Raul Villegas Silva / Mexico

Erythropoietin
Brian Darlow / New Zealand

Ventilation
Javier Lara / Mexico

Pharmacology intervention
Jacob Aranda / USA
WORKSHOP 5 Kangaroo care and more
Lead: Zandra Grosso / Colombia
Kangaroo care of babies with low birth weight was conceived and implemented in countries which lacked human and technical resources for adequate care of the premature infant. It is physiological, human and emotionally appropriate for all premature infants and complements neonatal care. Kangaroo care can be used for preterm and low birth weight babies. It gives beneficial effects on the neurological development, weight gain and nutrition and promotes empowerment of mothers and families.

Kangaroo care
Zandra Grosso / Colombia

Oxygen toxicity
Adela Carapia Cortes / Mexico

Taking care of the temperature
Miriam Quintanar / Mexico

Keeping germs away
Dafne Fanny Marcel / Mexico

Bringing parents closer
Alicia Matilde Benitez / Argentina

Assisting the retinologist
Javier Perez Gutierrez / México

WORKSHOP 6 Management of difficult cases
Lead: Graham Quinn / USA
The purpose of this workshop is to review techniques for recognizing and treating severe ROP. We will highlight differences and similarities between Type 1 ROP and AP-ROP and also emphasize the pros and cons of various treatment options including laser photocoagulation and intravitreal injection of anti-VEGF drugs. The panel will also address how to approach the unusual case such as cloudy cornea,
vitreous hemorrhage, and the very ill infant. Conditions observed in the NICU that may mimic ROP will also be reviewed.

**Difficult cases**
Luz Gordillo / Peru

**Transpupilar Laser**
Natalia Matti / Mexico

**Slit-lamp Laser**
Juan Carlos Bravo Ortiz / Mexico

**Combined Therapy**
Martin Flores Aguilar / Mexico

**Differential diagnosis**
Odalis Arambulo / Venezuela

**Aggressive posterior ROP**
Michael Shapiro / USA

---

**WORKSHOP 7 How to deliver oxygen safely**
Lead: Maria Jovita Plascencia Ordaz / Mexico
This workshop will explore the evidence on the administration of the oxygen, the handling of the mixers; the knowledge of the potential damage of an inappropriate handling could be given to these patients. Each presentation will last 12 minutes and we will have 30 minutes of discussion.

**Pulse oximetry**
Elisa Ramos Padilla / Mexico

**Hyperoxia in the Premature Brain**
Javier Lara / Mexico

**Blender**
Adela Carapia / Mexico
**Workshops**

Monitors  
Dafne Fanny Marcel / Mexico

Alarms  
Brian Darlow / New Zealand

---

**WORKSHOP 8 Setting up a telemedicine service (ROP NET)**

Lead: Juan Ubiera / Dominican Republic  
Today, one of the major problems in ROP programs is the difficulty in accessing and transferring preterm infants, as well as the limited amount of medical staff available for the early detection of retinopathy. In this workshop, we will appreciate the importance of Telemedicine as a technological tool that allows us to overcome these obstacles. Each presentation will last 10 minutes and we will have 30 minutes of discussion.

Telemedicine in India  
Anand Vinekar / India

What about Mexico?  
Juan Carlos Juarez Echenique / Mexico

What’s new in Argentina?  
Gabriela Saidman / Argentina

What’s new in Chile?  
Diego Ossandon Villaseca / Chile

WhatsApp  
Alejandro Vazquez de Kartzow / Chile

Using the net in Colombia  
Pedro Acevedo / Colombia
**WORKSHOP 9 Beyond ROP: Rehabilitation for life**

Lead: Silvia Moguel Ancheita / Mexico

The problem of children with retinopathy of prematurity does not end in trying to improve their oxygenation conditions and avoid retinal injury. Far beyond, as doctors we are responsible for evaluating the effects of premature on the child’s brain, its complications and delays, and commit ourselves to a better rehabilitation and integration to a better development of the person. In this workshop, we will review chain effects of premature damage, from vision, attention mechanisms, encephalopathy, neurological control, orbital rehab, and more, to legal conditions that should modify and ensure a better health policy that reaches all social strata. Let’s make a better world together for them! Join us!

**Brain damage in ROP**

Adriana Valdes Barrena / Mexico

**Vision but not attention**

Silvia Moguel Ancheita / Mexico

**What to do in strabismus and nystagmus?**

Martha Alicia Ramirez / Mexico

**Amblyopic difficulties**

Eva Lopez Diaz Barriga / Mexico

**Orbital damage after ROP**

Sara Plazola Hernandez / Mexico

**Politicians and doctors working together**

Daisy Guardado / El Salvador
## Posters

<table>
<thead>
<tr>
<th>TOPIC</th>
<th>BOARD NUMBER</th>
<th>AUTHOR</th>
<th>TITLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pathogenesis - genetic</td>
<td>1</td>
<td>Yian Li</td>
<td>Identification of gene mutations in atypical retinopathy of prematurity cases</td>
</tr>
<tr>
<td>Diagnosis (plus)</td>
<td>2</td>
<td>J. Peter Campbell</td>
<td>Conceptual and technological advances in plus disease diagnosis in retinopathy of prematurity</td>
</tr>
<tr>
<td>Diagnosis-biomarkers in tears</td>
<td>3</td>
<td>Anand Vinekar</td>
<td>A novel method for predicting retinopathy of prematurity (ROP) blindness from the tears of infants</td>
</tr>
<tr>
<td>Epidemiology</td>
<td>4</td>
<td>Graham E. Quinn</td>
<td>Incidence and early course of retinopathy of prematurity: Findings from the G-ROP study</td>
</tr>
<tr>
<td>Epidemiology</td>
<td>5</td>
<td>Veronica Yaneth Burgos Elías</td>
<td>Caracterización de la retinopatía del prematuro en un hospital fuera del área metropolitana de Guatemala</td>
</tr>
<tr>
<td>Epidemiology</td>
<td>6</td>
<td>Astrid Villavicencio Torres</td>
<td>Cambios en las características de ROP en el CMNR</td>
</tr>
<tr>
<td>Epidemiology</td>
<td>7</td>
<td>Sergey Katsan</td>
<td>Demographic situation of prevalence of retinopathy of prematurity in the Odessa region of Ukraine (2009-2016)</td>
</tr>
<tr>
<td>Epidemiology</td>
<td>8</td>
<td>Bekim Tateshi</td>
<td>Retinopathy of prematurity in Republic of Macedonia</td>
</tr>
<tr>
<td>Epidemiology</td>
<td>9</td>
<td>Sevinj Salmanova</td>
<td>Risk Factors in the Development of Retinopathy of Prematurity in Azerbaijan</td>
</tr>
<tr>
<td>Epidemiology</td>
<td>10</td>
<td>Juan Carlos Bravo Ortiz</td>
<td>Prevalencia de retinopatía del prematuro tipo I en 447 pacientes con peso menor de 1500 gramos al nacer en un hospital de tercer nivel</td>
</tr>
<tr>
<td>Epidemiology</td>
<td>11</td>
<td>Juan Carlos Bravo Ortiz</td>
<td>Mejoría en el diagnóstico de retinopatía del prematuro en el pretérmino con peso menor de 1500 gramos al nacer</td>
</tr>
<tr>
<td>Epidemiology</td>
<td>12</td>
<td>Olivia Gomez Vargas</td>
<td>Rethinopathy of prematurity incidence in the Gyneco-Pediatric IMSS hospital number 48 in Leon, Guanajuato</td>
</tr>
<tr>
<td>Epidemiology</td>
<td>13</td>
<td>Sarah Hilkert</td>
<td>Later Onset of Type 1 Retinopathy of Prematurity Among Infants Weighing 500g or Less at Birth</td>
</tr>
<tr>
<td>Epidemiology</td>
<td>14</td>
<td>Xiang Ma</td>
<td>Analysis of Screening Results of Retinopathy in Premature Infants and Short-term Observation of Anti-VEGF Treatment</td>
</tr>
<tr>
<td>Epidemiology</td>
<td>15</td>
<td>Xiang Ma</td>
<td>Retinopathy of prematurity: incidence, risk factors, and evaluation of screening criteria in a Northeast China population</td>
</tr>
<tr>
<td>Epidemiology</td>
<td>16</td>
<td>Samantha Andrade Leal</td>
<td>Prevalence of ROP in México</td>
</tr>
<tr>
<td>Epidemiology -twins</td>
<td>17</td>
<td>Lauren A. Tomlinson</td>
<td>Retinopathy of Prematurity Twin Concordance in The G-ROP Study</td>
</tr>
<tr>
<td>Epidemiology-risk factors</td>
<td>18</td>
<td>Brian A. Darlow</td>
<td>Variations in oxygen saturation targets for preterm neonates &lt;29 weeks gestation: An international survey</td>
</tr>
<tr>
<td>Epidemiology-risk factors</td>
<td>19</td>
<td>Sam Ebenezer Athikarisamy</td>
<td>Days of anemia during first week of life is an independent risk factor for retinopathy of prematurity in extremely preterm infants</td>
</tr>
</tbody>
</table>
## Posters

<table>
<thead>
<tr>
<th>TOPIC</th>
<th>BOARD NUMBER</th>
<th>AUTHOR</th>
<th>TITLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Epidemiology-risk factors</td>
<td>20</td>
<td>Sucheta Kulkarni</td>
<td>Is Socio economic status of the parents associated with Severe Retinopathy of Prematurity in preterm infants? A case control study from western India</td>
</tr>
<tr>
<td>Epidemiology-risk factors</td>
<td>21</td>
<td>Irving Flores Carmona</td>
<td>Retinopathy of prematurity</td>
</tr>
<tr>
<td>Epidemiology-risk factors</td>
<td>22</td>
<td>Dipa Banker</td>
<td>ROP in IVF Babies</td>
</tr>
<tr>
<td>Epidemiology-risk factors</td>
<td>23</td>
<td>Dulce Ivonne</td>
<td>Risk factors and their interaction in retinopathy of the severe premature</td>
</tr>
<tr>
<td>Epidemiology-twins</td>
<td>24</td>
<td>Anand Vinekar</td>
<td>Retinopathy of Prematurity (ROP) in multiple gestations: analysis of 1051 Asian Indian Infants</td>
</tr>
<tr>
<td>Epidemiology-change over time</td>
<td>25</td>
<td>Rachelle Anzures</td>
<td>Proposed New Retinopathy of Prematurity Screening Criteria: Evidence for Including Older and Heavier Filipino Premature Babies</td>
</tr>
<tr>
<td>Epidemiology-change over time</td>
<td>26</td>
<td>Deeksha Katoch</td>
<td>Change in the incidence and severity of Retinopathy of Prematurity (ROP) in a Neonatal Intensive Care Unit in Northern India after twenty years: Comparison of two similar prospective cohort studies</td>
</tr>
<tr>
<td>Epidemiology-change over time</td>
<td>27</td>
<td>Olivio Gomez Vargas</td>
<td>Retinopathy of Prematurity: Analysis of the incidence and related factors from 2007 through 2014 (in two different periods.)</td>
</tr>
<tr>
<td>Epidemiology-screening criteria</td>
<td>28</td>
<td>Rachelle Anzures</td>
<td>Proposed New Retinopathy of Prematurity Screening Criteria: Evidence for Including Older and Heavier Filipino Premature Babies</td>
</tr>
<tr>
<td>Imaging</td>
<td>29</td>
<td>David Gonzalez Coronado</td>
<td>Reliability of standardised echography in ROP</td>
</tr>
<tr>
<td>Imaging</td>
<td>30</td>
<td>Wilfrido Noble Monterrubio</td>
<td>Ecografia en ROP</td>
</tr>
<tr>
<td>Imaging</td>
<td>31</td>
<td>Rachelle Anzures</td>
<td>Determination of the Validity and Reliability of Smartphone Imaging as a Screening Tool for Referral Warranted Retinopathy of Prematurity: A Pilot Study</td>
</tr>
<tr>
<td>Imaging</td>
<td>32</td>
<td>Sam Ebenezer Athikarisamy</td>
<td>Digital Retinal Photography by Trained Nurses for Screening of Retinopathy of Prematurity âEUR A Diagnostic Accuracy Study</td>
</tr>
<tr>
<td>Imaging</td>
<td>33</td>
<td>Arunthathi Dev Borman</td>
<td>Nurse-led Telemedical ROP Screening in Greater Manchester, UK; A Quality Assured Service</td>
</tr>
<tr>
<td>Imaging</td>
<td>34</td>
<td>Daniel Worrall</td>
<td>Visualising The Temporal Progression Of Retinal Growth In Neonates</td>
</tr>
<tr>
<td>Imaging</td>
<td>35</td>
<td>Lucilla Isabel Garcia Chávez</td>
<td>Correlation between foveal thickness measured by angio-OCT, gestational age and weight at birth in ROP patients</td>
</tr>
<tr>
<td>Imaging</td>
<td>36</td>
<td>Maja Kostic</td>
<td>Improving quantitative analysis and diagnostic imaging in Retinopathy of Prematurity</td>
</tr>
<tr>
<td>Imaging</td>
<td>37</td>
<td>Pedro Mario Gonzalez Madrigal</td>
<td>Smartphone based fundus photography in ROP patients: a do it yourself headset system</td>
</tr>
<tr>
<td>TOPIC</td>
<td>BOARD NUMBER</td>
<td>AUTHOR</td>
<td>TITLE</td>
</tr>
<tr>
<td>------------------------</td>
<td>--------------</td>
<td>--------------------------------------</td>
<td>----------------------------------------------------------------------</td>
</tr>
<tr>
<td>Imaging</td>
<td>38</td>
<td>Dr. Alay Banker</td>
<td>Real-world experience with A New Camera for Retinopathy of Prematurity (ROP Screening)</td>
</tr>
<tr>
<td>Imaging-telemedicine</td>
<td>39</td>
<td>Dr. Alay S. Banker</td>
<td>Gujarat Retinopathy of Prematurity (GUJROP) Project: 5 years Report</td>
</tr>
<tr>
<td>Imaging</td>
<td>40</td>
<td>Irina Trifanenkova</td>
<td>Fluorescein angiography for cicatrical retinopathy of prematurity</td>
</tr>
<tr>
<td>Imaging</td>
<td>41</td>
<td>Clio Armitage Harper III</td>
<td>Fluorescein angiographic evaluation of peripheral retinal vasculature after primary intravitreal ranibizumab for retinopathy of prematurity</td>
</tr>
<tr>
<td>Treatment-APROP outcomes</td>
<td>42</td>
<td>Deeksha Katoch</td>
<td>Early versus Late Presentation of Aggressive Posterior Retinopathy of Prematurity</td>
</tr>
<tr>
<td>Treatment-outcomes</td>
<td>43</td>
<td>Deeksha Katoch</td>
<td>Posterior zone I Retinopathy of Prematurity: Spectrum of disease and outcome after laser photocoagulation</td>
</tr>
<tr>
<td>Treatment-outcomes</td>
<td>44</td>
<td>Sergey Katsan</td>
<td>Experience of treatment of progressive retinopathy of prematurity at the Filatov Institute of Eye Diseases and Tissue Therapy of the National Academy of Medical Sciences of Ukraine (2009-2016)</td>
</tr>
<tr>
<td>Treatment-laser</td>
<td>45</td>
<td>Deeksha Katoch</td>
<td>Safety and Efficacy of Green laser (532nm) for the treatment of Severe Retinopathy of Prematurity</td>
</tr>
<tr>
<td>Treatment-gene therapy</td>
<td>46</td>
<td>Miguel Angel Vazquez Membrillo</td>
<td>Analysis of the therapeutic effect of lentiviral vectors that transduces vasoinhibins in Experimental model of Retinopathy of Prematurity</td>
</tr>
<tr>
<td>Treatment-outcomes</td>
<td>47</td>
<td>Daniel Rios Esquer</td>
<td>Tratamiento y resultados en pacientes con retinopa</td>
</tr>
<tr>
<td>Treatment-Anti-VEGF</td>
<td>48</td>
<td>Aldo Arturo Oregon Miranda</td>
<td>Intravitreal anti-VEGF as primary approach in the treatment of retinopathy of prematurity at a public institution from a developing country: clinical outcome</td>
</tr>
<tr>
<td>Treatment-Anti-VEGF</td>
<td>49</td>
<td>Dr. Parag Shah</td>
<td>No Contraction of Flat Fibrovascular Membrane following Intravitreal Injections of Bevacizumab in Advanced Retinopathy of Prematurity</td>
</tr>
<tr>
<td>Treatment-Anti-VEGF</td>
<td>50</td>
<td>Marco A. De la Fuente Torres</td>
<td>Bevacizumab as monotherapy in advanced ROP</td>
</tr>
<tr>
<td>Treatment-Anti-VEGF</td>
<td>51</td>
<td>Erick Saenz</td>
<td>Calculation of the real and efficient bevacizumab dosage for ROP</td>
</tr>
<tr>
<td>Treatment-Anti-VEGF</td>
<td>52</td>
<td>Swati Agarwal-Sinha</td>
<td>Benefit-risk analysis of shortened follow-up protocol post intravitreal bevacizumab treatment in infants with type 1 retinopathy of prematurity (ROP)</td>
</tr>
<tr>
<td>Treatment-Anti-VEGF</td>
<td>53</td>
<td>Susana Teixeira</td>
<td>Anti-VEGF treatment in ROP - 11 years of experience</td>
</tr>
<tr>
<td>Treatment-Anti-VEGF</td>
<td>54</td>
<td>Juvenal Guzman-Cerda</td>
<td>Case report of ROP treatment at zone 1 stage 3 aggressive posterior bilateral with bevacizumab</td>
</tr>
<tr>
<td>Treatment-Anti-VEGF/laser</td>
<td>55</td>
<td>Jie Peng</td>
<td>Subretinal injection of ranibizumab in the treatment of vascularly active stage 5 retinopathy of prematurity</td>
</tr>
<tr>
<td>Treatment-Anti-VEGF/laser</td>
<td>56</td>
<td>Michael Blair</td>
<td>Treatment of Aggressive Posterior Retinopathy of Prematurity with Laser versus Bevacizumab and Late Laser</td>
</tr>
</tbody>
</table>
## Posters

<table>
<thead>
<tr>
<th>TOPIC</th>
<th>BOARD NUMBER</th>
<th>AUTHOR</th>
<th>TITLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Treatment-Anti-VEGF/laser</td>
<td>57</td>
<td>Manish Tandon</td>
<td>Role of supplemental laser for avoiding late adverse sequelae in eyes treated with bevacizumab monotherapy in severe retinopathy of prematurity</td>
</tr>
<tr>
<td>Treatment-Anti-VEGF</td>
<td>58</td>
<td>Martha Giselda Rangel Charqueño</td>
<td>Non inferiority study between two doses (0.500mg and 0.625mg) of bevacizumab intravitreal in the regression of retinopathy of prematurity</td>
</tr>
<tr>
<td>Treatment-Anti-VEGF</td>
<td>59</td>
<td>Ana Oros</td>
<td>Clinical relevance of anti-VEGF therapy in AP-ROP</td>
</tr>
<tr>
<td>Treatment-Anti-VEGF</td>
<td>60</td>
<td>Victor M. Preciado Gomez</td>
<td>Results of treatment with intravitreal Ranibizumab for Retinopaty of Prematurity at the `Hospital Regional de Alta Especialidad Materno-Infantil Monterrey, Nuevo Leon: Case Series</td>
</tr>
<tr>
<td>Treatment-Anti-VEGF</td>
<td>61</td>
<td>Sarah Hilkert</td>
<td>Neurodevelopmental Outcomes Comparing Bevacizumab to Laser for Infants with Type 1 ROP</td>
</tr>
<tr>
<td>Treatment-Anti-VEGF</td>
<td>62</td>
<td>Peiquan Zhao</td>
<td>Combination of intravitreal injection of ranibizumab and photocoagulation for the treatment of aggressive posterior retinopathy of prematurity with vitreous hemorrhage</td>
</tr>
<tr>
<td>Treatment-other</td>
<td>63</td>
<td>LA Katargina</td>
<td>Melatonin as the new perspective agent in treatment and prevention of retinopathy of prematurity. Experimental study</td>
</tr>
<tr>
<td>Treatment-other</td>
<td>64</td>
<td>Rasa Bagdoniene</td>
<td>Will we manage to start treating ROP by 2020?</td>
</tr>
<tr>
<td>Treatment-surgical</td>
<td>65</td>
<td>Ping Fei</td>
<td>Staged lensectomy and posterior vitrectomy in stage Ⅴ retinopathy of prematurity with advanced complications</td>
</tr>
<tr>
<td>Treatment-surgery</td>
<td>66</td>
<td>Tapas Ranjan Phadi</td>
<td>Spontaneous resolution of rhegmatogenous retinal detachment following vitrectomy for stage 4B retinopathy of Prematurity</td>
</tr>
<tr>
<td>Treatment-surgery</td>
<td>67</td>
<td>Yulia Sidorova</td>
<td>Early primary vitrectomy in the surgical treatment of aggressive posterior retinopathy of prematurity</td>
</tr>
<tr>
<td>Follow up</td>
<td>68</td>
<td>Gulnara Utegenova</td>
<td>Visual disorders due to pathology of the optic tract or cerebral cortex</td>
</tr>
<tr>
<td>Follow up</td>
<td>69</td>
<td>Silvia Moguel Ancheta</td>
<td>Attention and visumotor capacity in preterm babies</td>
</tr>
<tr>
<td>Follow up</td>
<td>70</td>
<td>Donata Montvilaitė</td>
<td>Analysis of associations among visual system and auxological characteristics in preschool children with ROP</td>
</tr>
<tr>
<td>Follow up</td>
<td>71</td>
<td>Deeksha Katoch</td>
<td>Ocular biometric and refractive profile of preterm infants with and without ROP</td>
</tr>
<tr>
<td>Follow up</td>
<td>72</td>
<td>Gui-shuang Ying</td>
<td>Correlation between foveal thickness, gestational age and weight at birth in premature infants by angio-OCT</td>
</tr>
<tr>
<td>ROP blindness - impact</td>
<td>73</td>
<td>Sucheta Kulkarni</td>
<td>Impoverishment and Lack of services: Impact of blindness from Retinopathy of Prematurity in India</td>
</tr>
<tr>
<td>Follow up</td>
<td>74</td>
<td>Sucheta Kulkarni</td>
<td>One year visual, refractive, structural outcomes and ocular co- morbidities in preterm children enrolled for retinopathy of prematurity screening: a cohort study</td>
</tr>
<tr>
<td>Follow up QOL</td>
<td>75</td>
<td>Maria Marta Galan</td>
<td>Health- Related Quality of Life mesurment in children photoocoagulated for ROP</td>
</tr>
</tbody>
</table>
### Posters

<table>
<thead>
<tr>
<th>TOPIC</th>
<th>BOARD NUMBER</th>
<th>AUTHOR</th>
<th>TITLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Follow up</td>
<td>76</td>
<td>Juan Alberto Dávila Barcenas</td>
<td>Grosor macular en pacientes con ROP</td>
</tr>
<tr>
<td>Follow up</td>
<td>77</td>
<td>Anand Vinekar</td>
<td>Foveal imaging of retinopathy of prematurity using optical coherence tomography angiography (OCTA)</td>
</tr>
<tr>
<td>Follow up QOL</td>
<td>78</td>
<td>Dr Subina Narang</td>
<td>To evaluate vision related quality of life of children treated for retinopathy of prematurity</td>
</tr>
<tr>
<td>Follow up</td>
<td>79</td>
<td>Kogoleva Liudmila</td>
<td>Clinical and functional outcomes of retinopathy of prematurity in extremely low birth weight patients</td>
</tr>
<tr>
<td>Practices</td>
<td>80</td>
<td>Brian A. Darlow</td>
<td>Variations in screening and treatment criteria of retinopathy of prematurity among neonatal intensive care units: An international survey</td>
</tr>
<tr>
<td>Practices</td>
<td>81</td>
<td>Juan Carlos Aguilar Caamal</td>
<td>El conocimiento del cribado y patrones de práctica en relación a la retinopatía del prematuro. En la comunidad pediátrica de Monterrey en el año 2017</td>
</tr>
<tr>
<td>Practices</td>
<td>82</td>
<td>Sucheta Kulkarni</td>
<td>Is an educated mother less likely to have a child blind from Retinopathy of Prematurity? A quantitative study from Western India</td>
</tr>
<tr>
<td>Practices</td>
<td>83</td>
<td>Juan Carlos Razo Cervantes</td>
<td>Situación actual: prevención de ceguera por retinopatia del prematuro en Mexico</td>
</tr>
<tr>
<td>Practices</td>
<td>84</td>
<td>Dr. Lutful Husain</td>
<td>Exploring the knowledge, attitudes, and practices of neonatal intensive care staff about ROP screening and prevention in Dhaka, Bangladesh</td>
</tr>
<tr>
<td>Practices-prevention</td>
<td>85</td>
<td>Ashok Deorari</td>
<td>Opportunities for a Quality Improvement (QI) Program to Reduce Incidence of Sight-Threatening Retinopathy of Prematurity (ST-ROP) in Level-2 Neonatal Units in India</td>
</tr>
<tr>
<td>Practices-prevention</td>
<td>86</td>
<td>Ligia Beatriz Bonotto</td>
<td>Evaluation of the indices of ROP in the maternity and hospital private network: neonatal care could lead to the disappearance of this syndrome?</td>
</tr>
<tr>
<td>Programmes</td>
<td>87</td>
<td>Luxme Hariharan</td>
<td>Reducing Blindness from Retinopathy of Prematurity (ROP) in Argentina: A Mixed Methods Analysis on International Collaboration, Policy Implementation and National Advocacy</td>
</tr>
<tr>
<td>Programmes</td>
<td>88</td>
<td>Dr. Umar Mian</td>
<td>Results of ROP Screening at 4 Government Hospitals in Pakistan</td>
</tr>
<tr>
<td>Programmes</td>
<td>89</td>
<td>Dr. Umar Mian</td>
<td>PROPERA (Pakistan ROP Research and Educational Alliance): Aims and accomplishments over 3 years</td>
</tr>
<tr>
<td>Other</td>
<td>90</td>
<td>Jie Peng Incontinentia</td>
<td>Incontinentia Pigmenti Associated Ocular Anomalies of Pediatric Incontinentia Pigmenti Patients in China</td>
</tr>
<tr>
<td>Other</td>
<td>91</td>
<td>L.A. Katargina</td>
<td>Foveal Structure and choroid thickness profiles in aggressive posterior retinopathy of prematurity</td>
</tr>
<tr>
<td>Other</td>
<td>92</td>
<td>Rasa Sirtauhiene</td>
<td>Clinical significance of the tunica vasculosa lentis in the progression of retinopathy of prematurity</td>
</tr>
</tbody>
</table>
World Action Plan for ROP: An avoidable visual disability

IV World ROP Meeting
Cancún 2017

Informes e Inscripciones
Barranca del Muerto No. 520, Col. Los Alpes,
01010 México, Ciudad de México
Tel: (55) 9171-9570
www.ropworldcongress.com
rop2017@servimed.com.mx