

14th International Hyperoxaluria Workshop



Oxalosis &
Hyperoxaluria
Foundation

STEPPING STONES TO A CURE

June 23rd –
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Sala dei Notari, Perugia, Italy

Poster Session



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Accepted Abstracts

Primary Hyperoxaluria Type 1

Combined Liver And Kidney Transplantation From Living Donors In A Young Patient With Primary Hyperoxaluria Type 1: A Case Report

Mohamed Mohyeldin Ahmed, M.D., M.S.C (Ain Shams University, EG)
Ahmed Mohamed Mohyeldin, El Sharkawy Magdy, Talkhan Hala, Emara Ahmed

Use Of Fluorescent Probes For The Study Of Selective Internalization And Disgregation Of Modified Chitosan Nanocarriers Inside Hepatocytes

Alfonso Alejo-Armijo, Ph.D. (University of Jaén, ES)
Alejo-Armijo Alfonso, Marchal Juan Alberto, Fernández-Mimbrera M^a Ángeles, Salido Sofía

Novel Studies On Flavonoids As Go And Ldh-A Inhibitors

Fabio Arias Bordajandi, Ph.D. (Universidad de Granada, ES)

Arias Bordajandi Fabio, Franco Montalbán Francisco, Gómez Vidal José Antonio, Salido Ruiz Sofia, Díaz Gavilán Mónica

Primary Hyperoxaluria Type 1: Case Series

Al Shaimaa Attia, M.S.c (Ain Shams University Hospitals, EG)
Attia Al Shaimaa, Elsharkawy Magdy, Talkhan Hala, Emara Ahmed

Lumasiran Therapy In Ph1: A Report Of A Patient With Advanced Kidney Disease

Vincenzo Bellavia, BSc, Ph.D. ("G. Di Cristina" Pediatric Hospital, IT)
Bellavia Vincenzo, D'Alessandro Maria Michela, Pavone Giovanni, Corrado Ciro, Sapia Maria Chiara, Cusumano Rosa, Amato Antonio, Aronica Tommasosilvano

Experience Of Ph Patient Cohort From Nephrological Centre In Sicily

Maria Michela D'Alessandro, M.D. ("G. Di Cristina" Pediatric Hospital, IT)
D'Alessandro Maria Michela, Bellavia Vincenzo, Pavone Giovanni, Corrado Ciro, Sapia Maria Chiara, Cusumano Rosa, Amato Livia, Volpe Nicola, Aronica Tommaso Silvano

(Aminofuryl)Salicylic Acids As Dual Go/Ldh-A Inhibitors For The Treatment Of Primary Hyperoxaluria Type 1

Jose Antonio Gomez-Vidal, Ph.D. (Quimica Farmaceutica y Organica Universidad de Granada, ES)
Moya-Garzon Maria Dolores, Arias Fabio, Gomez-Vidal Jose Antonio, Salido Eduardo, Diaz-Gavilan Monica

Identification Of New Pharmacological Chaperones For Alanine:Glyoxylate Aminotransferase Variants Showing Folding Defects

Silvia Grottelli, M.S. (University of Perugia, IT)
Grottelli Silvia, Pampalone Gioena, Annunziato Giannamaria, Ruta Luana, Pieroni Marco, Costantino Gabriele, Cellini Barbara

Heart-Failure Recovery After Lumasiran And Isolated Kidney Transplantation In Primary Hyperoxaluria Type 1

Gerlineke Hawkins-Van Der Cingel, MBBS, MRCP (Charité - Universitätsmedizin, DE)
Choi Mira, Kahl Andreas, Hawkins-Van Der Cingel Gerlineke, Rehse Gregor, Schoenrath Felix, Globke Brigitta, Eckardt Kai-Uwe, Oellinger Robert, Knauf Felix, Halleck Fabian

Primary Hyperoxaluria Genes Variants And The Associated Embedding Genetic Milieu: Analysis Of Five Patients From A Cohort Of 47 Selected Urinary Stone Disease Patients From Karachi, Pakistan

Imran Khan Jalbani, M.D. (Aga Khan University, PK)
Jalbani Imran Khan, Biyabani Raziuddin, Talati Jamsheer

Biochemical Exploration For Primary Hyperoxaluria Diagnosis. Moroccan Experience

Faïza Meiouet, M.D. (Laboratoire de Recherche et d'Analyses Médicales de la Gendarmerie Royale, MA)
Meiouet Faïza, El Kabbaj Sâad, Daudon Michel

Preclinical Development Of An In Vivo Lentiviral Vector Gene Therapy Approach For The Treatment Of Primary Hyperoxaluria Type 1

Andrea Molinos Vicente, (CIEMAT/CIBERER/IIS-FJD, ES)
Molinos Vicente Andrea, García Torralba Aida, Nieto Romero Virginia, Rodríguez Díaz Saray, Cantore Alessio, Rodríguez Madoz Juan Roberto, Salido Eduardo, Segovia Jose Carlos, García Bravo María

Role Of Slc26A6 In Oxalate Crystal Clearance By Macrophages

Ana Clara Najenson, Ph.D. (Universitätsmedizin Berlin, DE)
Najenson Ana Clara, Wagner Teresa, Knauf Felix, Aronson Peter S.

Current Status Of Primary Hyperoxaluria Type 1 In Japan

Tomohide Ogawa, M.S. (International University of Health and Welfare, JP)
Ogawa Tomohide, Kurobe Masahiro, Onozawa Mizuki, Miyazaki Jun, Takayama Tatsuya

Activation Of Nrf2/Ho-1 Pathway And Modulation Of Crystal Binding Genes (Cd44/Opn) By Triclisia Gilletii And Selected Identified Compounds In Triclisia Gilletii, In Calcium Oxalate Nephrolithiasis

Olanrewaju Sam Olayeriju, Ph.D. (Olusegun Agagu University of Science and Technology, NG)
Olayeriju Olanrewaju Sam

A Case Of Isolated Kidney Transplantation In A Patient With Primary Hyperoxaluria Type 1 Receiving Lumasiran Therapy

Andrea Ranghino, M.D. (Azienda Ospedaliero Universitaria delle Marche, IT)
Moretti Maria Ilaria, Loporati Marta, Mazzucchelli Roberta, Di Luca Marina, Mandrile Giorgia, Giachino Daniela Francesca, Belcastro Sara, Martello Mauro, Brigante Fabiana, Valente Mauro, Petrarulo Michele, Calcinari Alessandra, Moretti Marco, Balestra Emilio, Taruscia Domenica, Ranghino Andrea

Effect Of Lumasiran Treatment In A Late Preterm Baby With Antenatal Diagnosis Of Primary Hyperoxaluria Type 1

Francesca Rella, M.D. (Fondazione IRCCS Cà Granda Ospedale Maggiore Policlinico, IT)
Taroni Francesca, Rella Francesca, Montini Giovanni

Targeting Glycolate Oxidase For The Treatment Of Primary Hyperoxaluria Type 1: Development And Clinical Characterization Of Lumasiran, An Rnai Therapeutic

Hadas Shasha-Lavsky, M.D. (Bar Ilan University Galilee Medical Center, IL)
Shasha-Lavsky, Md Hadas, Devresse, Md, Phd Arnaud, Guebre-Egziabher, Md, Phd Fitsum, Hayes, Mbbchir Wesley, Hogan, Md, Phd Julien, Hulton, Md Sally-Anne, Magen, Md Daniella, Mourani, Md Chebl, Overcash, Md J. Scott, Saland, Md Jeffrey M., Saqan, Md Rola, Sas David J., Simkova, Md Eva, Singer, Mbchb Richard, Makarova, Md, Mph Nune, Kaspar, Md Cristin, Gansner Md, Phd John M., Sellier-Leclerc, Md Anne-Laure



Real-World Data Of Pediatric Patients With Primary Hyperoxaluria Type 1 (Ph1) Treated With Lumasiran Within A Compassionate Use Program In Italy

Francesca Taroni, M.D. (Policlinico IRCCS Cà Granda, IT)

Taroni Francesca, Becherucci Francesca, D'Alessandro Maria Michela, Longo Germana, Malgieri Gabriele, Peruzzi Licia, Rella Francesca, Montini Giovanni

Chk-336, A First-In-Class Orally Administered Ldh Inhibitor: Safety, Pk And Target Engagement In A First-In-Human Phase 1 Healthy Volunteer Study

Vincent Tong, Ph.D. (Chinook Therapeutics, US)

Tong Vincent, Schwartz Brian, Lam Chun, Knight John, Fargue Sonia, Wagner David A, Wong Harvey, Wang Lei, Kocinsky Hetal, Fauvelle Valerie, King Andrew

In Vivo Editing Of The Haa1 Gene With Abr-001, A Novel Type V Crispr Cas System, Leads To Significant Reduction In Toxic Oxalate In A Mouse Model Of Primary Hyperoxaluria Type 1

Winston Yan, M.D., Ph.D. (Arbor Biotechnologies, US)

Kuefner Michael, Halwasia Sneha, Iverson Sonya, Sengupta Sejuti, Haswell Jeffrey, Murphy John, Ditommaso Tia

Primary Oxaluria With Cardiac Involvement: A Case Report

Christine Zomer Dal Molin, M.D. (Universidade Federal de Santa Catarina, BR)

Zomer Dal Molin Christine

Genetics, Surgery and Ethics in Primary Hyperoxaluria

Integrated Bioinformatic Analysis For The Identification Of Potential Biomarkers Of Kidney Damage In Hyperoxaluria

Usha Adiga, M.D. (KS Hegde Medical Academy, IN)

Adiga Usha

Oxalosis Around The World: Insight In The Global Health Situation Of Primary Hyperoxaluria

Lisa Deesker, M.D. (Emma Children's Hospital Amsterdam University of Amsterdam, NL)

Deesker Lisa, Metry Elisabeth, Groothoff Jaap, Bacchetta Justine

Evidence That The Common Agxt Variant P.Ile279Thr Is Pathogenic When Associated With P.Pro11Leu

Peter Harris, Ph.D. (Mayo Clinic, US)

Cogal Andrea, Sas David, Seide Barbara, Milliner Dawn, Lieske John, Rumsby Gill, Harris Peter

Role Of Polymorphisms And Expression Of Sirt1 Gene In Oxalate Stone Formation: A Cross-Sectional Study

Neha Honnalli, Ph.D. (KS Hegde Medical Academy, IN)

Honnalli Neha, Adiga Dr Usha, Adiga Dr Sachidananda, Tp Dr Rajeev

Association Of Calcium Sensing Receptor Gene Polymorphism(Rs3804594) With Parathyroid Hormone Levels In Patients With Urinary Calcium Oxalate Stones:A Cross-Sectional Study

Desy Tm, Ph.D. (KS Hegde Medical Academy, IN)

Tp Rajeev, Adiga Usha, Honnalli Neha, Tm Desy



Primary Hyperoxaluria Type 2 and Primary Hyperoxaluria Type 3

Urinary And Hepatocyte-Derived Extracellular Vesicles Might Contribute To Glyoxylate Detoxification

Ilaria Bellezza, Ph.D. (Università degli Studi di Perugia, IT)
Gatticchi Leonardo, Lilla Daniele, Gutturi Martina, Cellini Barbara, Bellezza Ilaria

A Humanized Mouse Model Of Primary Hyperoxaluria Type 3 Expressing Alanine-Glyoxylate Aminotransferase In Peroxisomes And Not In Mitochondria.

Iolanda Boffa, Ph.D. (Telethon Institute of Genetics and Medicine, IT)
Boffa Iolanda, Nusco Edoardo, Wood Kyle, Knight John, Cellini Barbara, Brunetti Pierri Nicola

A Novel In Vitro Model To Investigate Pathomechanisms In Primary Hyperoxaluria Type 3

Leonardo Gatticchi, Ph.D. (University of Perugia, IT)
Gatticchi Leonardo, Grottelli Silvia, Chiasserini Davide, Leporati Marta, Dal Bon Pietro, Boffa Iolanda, Petrarulo Michele, Brunetti-Pierri Nicola, Bellezza Ilaria, Cellini Barbara

Biochemical Diagnosis And Monitoring Of Hyperoxaluria Syndromes: A Useful Tool For A Prompt Decision Making

Marta Leporati, M.S.c (AO Ordine Mauriziano di Torino, IT)
Leporati Marta, Peruzzi Licia, Cosseddu Domenico, Vitale Corrado, Petrarulo Michele

Stiripentol: Mechanisms Of Action And Perspectives In Primary Hyperoxaluria

Emmanuel Letavernier, M.D., Ph.D. (Sorbonne Université Tenon Hospital, FR)
Letavernier Emmanuel, Daudon Michel

Rational Design Of Dual Go/Ldha Inhibitors For All Types Of Primary Hyperoxaluria

W. Todd Lowther, Ph.D. (Wake Forest University School of Medicine, US)
Ding Jim, Gumpena Rajesh, Caron Alexandre, Chong Oliver, Cox Jennifer, Dumais Valerie, Gaudreault Samuel, Graff Aaron, King Andrew, Knight John, Oballa Renata, Surendrados Jayakumar, Tang Tim, Wu Joyce, Lowther W. Todd

Nedosiran In Patients With Primary Hyperoxaluria 3: Interim Results From An Open Label, Safety Extension Trial (Phyox3)

Horacio Plotkin, M.D. (Novo Nordisk, US)
Goldfarb David S., Groothoff Jaap, Vrhnjak Blaz

The Natural History Of Primary Hyperoxaluria Type 3: Expanding The Phenotype Of A Rare Disease From Infancy To Adulthood.

Hadas Shasha-Lavsky, M.D. (Bar Ilan University Galilee Medical Center, IL)
Shasha-Lavsky Hadas, Julius Michal, Kalfon Limor, Tanus Mary, Weissman Irith, Falik Zaccai Tzipora C.

Enteric Hyperoxaluria

Rational Engineering Of Oxalate Decarboxylase To Increase Activity And Stability Under Physiological Conditions

Mirco Dindo, Ph.D. (University of Perugia, IT)
Dindo Mirco, Conter Carolina, Pampalone Gioena, Ruta Luana, Cellini Barbara