Ninth International Primary Hyperoxaluria Workshop
New York Hilton (Murray Hill A), August 28 – 29, 2010

PROGRAM

Saturday, August 28

Session 1. Advances in the Molecular Etiology and Pathophysiology of PH.

CHAIRS. Marguerite Hatch, PhD and Jaap Groothoff, MD

8:00 – 8:05: “Welcome” Ross Holmes, PhD (Wake Forest University)

8:05 – 8:45: "Molecular pathology of primary hyperoxaluria" Chris Danpure, PhD (University College London)

8:45 – 9:10: “Calcium oxalate crystal deposition in the liver of patients with primary hyperoxaluria type I” Pia Linnert, Bodo Beck, MD, Heike Gobel and Bernd Hoppe, MD (University of Cologne)

9:10 – 9:35: “Experimental induction of CaOx crystal deposition in mice” Saeed Khan, PhD (University of Florida)

9:35 – 9:50: “Primary Hyperoxaluria presenting as chronic renal failure and swift progression to end stage renal disease in adulthood” Dayanand Makey, Dae Un Kim, Thomas Tomasco, Ira Strauss, Matthew Tobin and Nabet Kasabian (Jersey Shore University)

9:50 – 10:15: “The genetic basis of primary hyperoxaluria type III” Yaacov Frishberg, MD (Hadassah-Hebrew University)

10:15-10:30: “Phenotype of PH type III” Carla Monico, MD (Mayo Clinic)

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10:30 - 10:50: Refreshment Break

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10:50 – 11:15 “Genotype-Phenotype Correlations in PH1” – Carla Monico, MD (Mayo Clinic)

11:15 – 11:40 “Genotype/Phenotype correlation in PH type I - the German results” Bodo Beck, MD (University of Cologne), Marcus Kemper, MD (University of Hamburg) and Bernd Hoppe, MD (University of Cologne)

11:40 – 12:05 "AGT folding, dimerization and intracellular compartmentalization - synergistic interplay between a common polymorphism and many PH1-specific mutations" Sonia Fargue, MD (University College London)
12:05 – 12:30: “Glycine 41 variants of alanine:glyoxylate aminotransferase: molecular analyses reveal the enzymatic defect leading to PH1” Barbara Cellini, PhD (University of Verona)

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12:30 – 1:30: Lunch Break

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CHAIRS. Gill Rumsby, PhD and John Lieske, MD


1:55 – 2:20: "Biochemical and X-ray crystallographic analysis of human 2-keto-4-hydroxyglutarate aldolase, a novel DHDPS-like enzyme in hydroxyproline metabolism" Travis Riedel (Wake Forest University)

2:20 – 2:45: “Hydroxyproline metabolism in mouse models of Primary Hyperoxaluria” John Knight, PhD (Wake Forest University)

2:45 – 3:10: “Oxalate-degrading activities of commercial probiotic organisms” Steven Daniel, PhD and Alexandra Baluka (Eastern Illinois University)

3:10 – 3:35: “Can lanthanum carbonate be used as a treatment against hyperoxaluria” Stef Robijn, Anja Verhulst, Benjamin Vervaet, and Patrick D’Haese, (University of Antwerp)

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3:35 – 3:55: Refreshment Break

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3:55 – 4:20: "Audit of the performance of a DNA sequencing service for the diagnosis of PH1" Emma Williams, PhD (University College London)

4:20 – 4:45: “Glyoxal is a metabolic precursor of oxalate” Ross Holmes, PhD (Wake Forest University)

4:45 – 5:10: “Rat strain differences in renal calcium oxalate accumulation: Implications for hyperoxaluria research” Kenneth McMartin, PhD, Y Li and MC McLaren (LSU Health Science Center)
Sunday, August 29  Continental Breakfast 7:00 – 8:00

Session 3. The Diagnosis and Treatment of PH.

CHAIRS. Chandra Tucker, PhD and Bernd Hoppe, MD

8:00 – 8:25: “The diagnosis and treatment of Primary Hyperoxaluria” Dawn Milliner, MD (Mayo Clinic)

8:25 – 8:50: “Advances in the methodology for the laboratory diagnosis of Primary Hyperoxaluria” Gill Rumsby, PhD (University College London Hospitals)

8:50 – 9:15: "Urinary oxalate excretion is normalized in a mouse model of Primary Hyperoxaluria following intestinal colonization with /Oxalobacter sp/.” Marguerite Hatch, PhD (University of Florida)

9: 15 – 9:40: “Development of Oxabact™ treatment for Primary Hyperoxaluria” Harmeet Sidhu, PhD (Oxthera, Inc.)

9:40 – 10:10: “The role of the Oxalosis and Hyperoxaluria Foundation in disease advocacy and research” Kim Hollander (OHF) and Marguerite Hatch, PhD (OHF, Scientific Advisory Board)

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10:10 – 10:30: Refreshment Break

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10:30 – 10:45 “Excellent isolated renal graft survival (> 25 years) in a patient with PH 1” Ernst Leumann, MD (University Children’s Hospital, Zurich)

10:45 – 11:10: “The impact of stone removal on kidney function” Dean Assimos, MD (Wake Forest University)

11:10 – 11:35: “Recent aspects of solid organ transplantation” Markus Kemper, MD (University of Hamburg)

11:35 – 12:10: “The collaborative European cohort of Primary Hyperoxalurias: clinical and genetic characterization with prediction of outcome” Christiaan van Woerden, MD, PhD and Jerome Harambat, MD (AMC, Amsterdam)

12:10 – 12:30: “Insights from the International PH Registry” Dawn Milliner, MD (Mayo Clinic)

12:30 – 12:45: “Combined registry analysis of non-I, non-II PH” Jerome Harambat, MD (AMC Amsterdam)

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12:45 – 2:00: Lunch Break
Featured Lecture

2:00 – 2:45: "Helper-dependent adenoviral and other approaches for cell or gene therapy for oxalosis." Arthur Beaudet, MD (Baylor College of Medicine)

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Session 4. Non-Pharmacological Approaches in the Treatment of PH

CHAIR. Chris Danpure, PhD

2:45 – 3:10: “Phenotypic correction of alanine-glyoxylate aminotransferase deficient mice, with adeno-associated virus gene transfer” Eduardo Salido, MD (University La Laguna)

3:10 – 3:35: “Primary cultures of Hepatocytes from PH-1 patients: A potential model system for gene/ cell therapy for PH-1” Hari Koul, PhD (University of Colorado)

3:35 – 4:00: "Cell-based therapies for Primary Hyperoxaluria-1" Janata Roy-Chowdhury, MD (Albert Einstein College of Medicine)

4:00 – 4:25: “Genetic studies on atypical Primary Hyperoxaluria” Robert Kleta, MD, PhD (University College London)

4:25 – 4:30: “Summation: What we have learned and what is next” Ross Holmes, PhD (Wake Forest University)

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A meeting of the Rare Kidney Stone Consortium is scheduled from 6:00 – 8:00.