



OPEN MEDICAL INSTITUTE

SEMINAR REPORT

PEDIATRIC
ENDOCRINOLOGY AND
NEPHROLOGY
SEMINAR IN SALZBURG

September 13 – September 19, 2020

A Global Educational Initiative by the
American Austrian Foundation

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SALZBURG CHOP SEMINAR IN PEDIATRIC ENDOCRINOLOGY AND NEPHROLOGY

September 13 – September 19, 2020

20 fellows from 10 different countries
6 faculty members from the United States of America and Austria
18 lectures given by faculty
19 interesting case presentations by fellows
7 excellent case presentations by fellows

Group Photo of Faculty and Fellows



	Sunday 13.09.2020	Monday 14.09.2020	Tuesday 15.09.2020	Wednesday 16.09.2020	Thursday 17.09.2020	Friday 18.09.2020	Saturday 19.09.2020
7:30 - 9:00 <i>1:30 - 3:00 am</i>		BREAKFAST	BREAKFAST	BREAKFAST	BREAKFAST	BREAKFAST	DEPARTURES
09:00 - 10:00 <i>3:00 - 4:00 am</i>		Introductions Pre-Seminar Test	HUS-Infection-Associated (Renal) Christoph J. Mache, MD	Atypical HUS (Renal) Christoph J. Mache, MD	Acute Kidney Injury (Renal) Birgit Acham-Roschitz, MD	SLE Nephritis and ANCA- Associated Vasculitis (Renal) Birgit Acham-Roschitz, MD	
10:00 - 11:00 <i>4:00 - 5:00 am</i>		Nephrocalcinosis and Urolithiasis (Renal) Christoph J. Mache, MD	Workshop** Fellows' Case Presentations Christoph J. Mache, MD	Workshop** Fellows' Case Presentations Christoph J. Mache, MD	Workshop** Fellows' Case Presentations Birgit Acham-Roschitz, MD	Post-Seminar Test Evaluation & Discussion	
11:00 - 12:00 <i>5:00 - 6:00 am</i>		Continuous Renal Replacement Therapy (Renal) Ulf H. Beier, MD	Renal Transplantation (Renal) Ulf H. Beier, MD	Congenital Anomalies of the Kidneys and Urinary Tract (Renal) Ulf H. Beier, MD	Arterial Hypertension (Renal) Birgit Acham-Roschitz, MD		
12:00 - 13:00 <i>6:00 - 7:00 am</i>		LUNCH	LUNCH	LUNCH	LUNCH	LUNCH	
13:00 - 14:00 <i>7:00 - 8:00 am</i>		Growth (Endo) Vaneeta Bamba, MD	Thyroid (Endo) Vaneeta Bamba, MD	Syndromes (Endo) Vaneeta Bamba, MD	Diabetes (Endo) Craig A. Alter, MD		
14:00 15:00 <i>8:00 - 9:00 am</i>		Puberty (Endo) Craig A. Alter, MD	Workshop** Fellows' Case Presentations Vaneeta Bamba, MD	Workshop** Fellows' Case Presentations Craig A. Alter, MD	Workshop** Fellows' Case Presentations Andrew C. Calabria, MD		
15:00 - 15:30 <i>9:00 - 9:30 am</i>		COFFEE BREAK	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK		
15:30 - 16:30 <i>9:30 - 10:30 am</i>		Bone (Endo) Andrew C. Calabria, MD	Adrenal (Endo) Andrew C. Calabria, MD	Pituitary and DI Lecture (Endo) Craig A. Alter, MD	Hypoglycemia (Endo) Andrew C. Calabria, MD		
16:30 - 18:00 <i>10:30 - 12:00 am</i>							
18:00 - 19:00 <i>12:00 - 1:00 pm</i>	FACULTY MEETING*					FAREWELL RECEPTION	
19:00 - 20:00 <i>1:00 - 2:00 pm</i>	WELCOME RECEPTION & DINNER	DINNER	DINNER	DINNER	DINNER	GRADUATION CEREMONY*** Certificates Awarded	
20:00 - 21:00 <i>2:00-3:00 pm</i>							

* Faculty Meeting: US and AUT/EU Faculty

** Workshops Fellows' Case Presentations: AUT/EU Faculty (am), US & AUT/EU Faculty (pm)

*** Graduation Ceremnoy: US & AUT/EU Faculty

Learning Objectives for Participants

At the conclusion of this seminar, the participant should be better able to:

1. Review clinical issues relating to disorders of growth and puberty.
2. Review causes of renal dysfunction and therapy.
3. Review the types of diabetes and treatment and children.

ACCME Accreditation Statement

Children's Hospital of Philadelphia is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

AMA Credit Designation Statement

Children's Hospital of Philadelphia designates this live activity for a maximum of 23.25 AMA PRA Category 1 credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity.



Wolfgang Aulitzky, MD

Director, Open Medical Institute
American Austrian Foundation

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Wolfgang Aulitzky, MD is the Medical Director of the American Austrian Foundation. He is Associate Dean for International Medicine and Distance Learning, Adjunct Prof. of Clinical Urology and Adjunct Prof. of Clinical Reproductive Medicine at the Weill Medical College of Cornell University/New York Presbyterian Hospital. In 2016, he was appointed Adjunct Professor of Pediatrics in the Associated Faculty of the Perelman School of Medicine at the Children's Hospital of Philadelphia. He is also Associate Prof. of Urology at the Medical University of Innsbruck and Visiting Professor at the Medical University of Vienna. Amongst others he is a member of the American, German and Austrian Societies of Urology and was awarded the Zuckermandlpreis of the Austrian Society of Urology in 1989. In 1995 he received the Silver Medal, in 2007 the Golden Medal for Merits to the Republic of Austria and in 2014 the cross of honor of the Land Salzburg. As Director of the Medical Program of the American Austrian Foundation he has initiated the Open Medical Institute, a scientific and educational collaboration of Weill Cornell and the New York Presbyterian Hospital, the Children Hospital of Philadelphia, Duke University, Columbia University, the Cleveland Clinic and leading hospitals in Austria. Dr. Aulitzky earned his medical degree at the University of Innsbruck in 1977, was a research associate at the University of Uppsala, Sweden and the Rockefeller University, New York. He received his training as an urologist at the University of Innsbruck and the General Hospital of Salzburg. He is the author of more than 140 publications on Urology, Andrology and Health Care issues and is co-author of books on basic and clinical urology/andrology.



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Craig A. Alter, MD is a Clinical Professor of Pediatrics in the Department of Pediatrics at the University of Pennsylvania. He is also Director of the Neuroendocrine Center at the Children's Hospital of Philadelphia (CHOP). He has served on the Board of Directors of the Pediatric Endocrine Society. He was previously the Fellowship Program Director and Clinical Director of the Endocrinology & Diabetes Division at CHOP. He has served as Chair of the Educational Committee of the Pediatric Endocrine Society. He was designated as a Master Clinician at CHOP. Dr. Alter completed his undergraduate training at the University of Pennsylvania majoring in Mathematics and Chemistry before attending Harvard Medical School where he graduated with honors. After residency at Boston's Children's Hospital, he did his fellowship training in Pediatric Endocrinology & Diabetes at CHOP. At CHOP, Dr. Alter won the Fellow Teacher of the Year Award in 1991. He served as a clinical endocrinologist at the University of Massachusetts where he was Director of the Children's Diabetes Center. At the University of Massachusetts, he won the Faculty Teaching Award in 1996 before rejoining the Endocrinology Division at CHOP in 1999. At CHOP, Dr. Alter is a Clinical Pediatric Endocrinologist and is deeply involved in medical education. Dr. Alter has lectured nationally on various topics in endocrinology. In addition, he enjoys studying methods of education and has taught and run workshops nationally on improving methods of teaching in medicine. Dr. Alter has three daughters and all enjoy traveling. He speaks French. His major hobbies include tennis and table tennis.



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Christoph J. Mache, MD was born in Klagenfurt, Carinthia in the southern part of Austria and attended elementary school and high school in Klagenfurt. From 1981 to 1988, he studied medicine at the Medical University Graz and went on to complete his medical education as a general practitioner. Dr. Mache began specializing in pediatrics at the University Children's Hospital Graz in 1991 and has been working in the Division of Pediatric Nephrology since 1998. Between 1998 and 1999 he did a fellowship in pediatric nephrology at Hannover Medical School in Germany. Dr. Mache's main fields of interest and research are genetic diseases, urolithiasis, hemolytic uremic syndrome, and renal transplantation. He is married to Petra, a clinical pharmacist. They live in Graz with their two children, a boy and a girl, aged 11 and 3 years.



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Birgit Acham-Roschitz, MD is a pediatrician who specialized in pediatric nephrology. Dr. Birgit Acham grew up in Graz and completed her undergraduate studies at 1. Bundesgymnasium Carneri, Graz. She graduated from Karl-Franzens-University and completed her pediatric residency at Medical University Graz, Austria and Essen, Germany. Dr. Acham's research interests include pediatric haemostaseology and pediatric nephrology. Recent publications and lectures include atypical HUS and acute kidney injury in pediatric patients with Puumala virus infections. She is a peer reviewer for pediatric journals. Dr. Acham is currently on the faculty of Medical University Graz as Assistant Professor of Pediatrics. She lives in Graz with her husband Gilbert and children Valerie and Nikolaus.



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Vaneeta Bamba, MD is a pediatric endocrinologist. She is an Associate Professor at the Children's Hospital of Philadelphia at the University of Pennsylvania pediatric endocrinologist who specializes in disorders of growth and puberty as well as pediatric lipid disorders. She grew up in New Orleans, Louisiana. She attended Johns Hopkins University for her undergraduate studies, then returned to her home town and attended the Louisiana State University School of Medicine. Her pediatric residency was at Baystate Medical Center in Western Massachusetts, followed by a pediatric endocrinology fellowship at The Children's Hospital of Philadelphia. Her research during that time focused on cholesterol metabolism, and she gained clinical expertise in pediatric and adult lipid disorders during this time as well. She has continued her career as an academic clinician seeing pediatric patients at CHOP while also participating in a number of research projects. She is the medical director of the Diagnostic and Research Growth Center at CHOP and also program director of the Turner Syndrome Program. She was a committee member of the Turner Syndrome International Consensus Guidelines group. She is co-chair of the Turner Syndrome Special Interest Group through the North American Pediatric Endocrine Society and also sits on several Advocacy Boards for improvement of care for girls with Turner Syndrome. Recent publications have focused on pediatric lipid disorders, Turner Syndrome, and growth disorders. Dr. Bamba also enjoys medical education. She gives between 3-6 lectures annually, to a variety of learners from elementary school students to medical students to physicians and other medical providers. Her favorite topic to discuss is growth because of the complexity of outcomes. Dr. Bamba lives in Philadelphia with her husband and daughters Eva (9) and Aleena (7). She enjoys baking/cooking heart healthy foods, photography, doing high intensity interval training, and listening to podcasts.



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Ulf H. Beier, MD is an Assistant Professor of Pediatrics at Children's Hospital of Philadelphia and the Perelman School of Medicine at the University of Pennsylvania. Dr. Beier graduated from medical school in Germany (University of Kiel). He completed his Pediatric residency training at the University of Illinois at Chicago, where he also served as Chief resident. Subsequently, he joined CHOP as a Nephrology Fellow in 2008. Following his fellowship, Dr. Beier stayed on as faculty at Children's Hospital of Philadelphia and the Perelman School of Medicine at the University of Pennsylvania. During his clinical training and time as faculty at the Children's Hospital of Philadelphia, Dr. Beier became interested in the immune biology of transplantation, and started working in the laboratory of Wayne W. Hancock. There, he studied the biology of the histone/protein deacetylase Sirtuin-1 in T cell function. Subsequently, Dr. Beier developed an independent research interest in T cell metabolism and the immunosuppressive tumor microenvironment. He observed that regulatory T cells are metabolically well adapted to low-glucose, high L-lactate environments (Cell Metabolism 2017). Cancers can be very adept at evading the immune response by creating a metabolic environment favoring pro-tolerant conditions. Dr. Beier aims to learn from cancer to develop new approaches to therapeutic immunosuppression derived from the mechanisms of how cancer metabolism evades anti-tumor immunity. His research is funded by the American Society of Nephrology, the Laffey McHugh foundation, and the National Institutes of Health.



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Andrew C. Calabria, MD is a pediatric endocrinologist who specializes in mineral metabolism and general endocrinology. Dr. Calabria grew up in the northeastern United States in the state of New Jersey and completed his undergraduate studies at Villanova University in Villanova, PA. He graduated medical school from the University of Medical and Dentistry of New Jersey (UMDNJ) in Camden, NJ and completed paediatrics residency at Thomas Jefferson University/A.I. duPont Hospital for Children in Wilmington, DE. His fellowship training in pediatric endocrinology was at The Children's Hospital of Philadelphia (CHOP) in Philadelphia, PA. He completed research on hypoglycemia during fellowship and developed a clinical interest in metabolic bone disease, particularly in premature infants. He runs the inpatient bone health service at CHOP, which focuses on infants and children who are at high risk for fracture. Recent publications include a recent review of screening practices for metabolic bone disease of prematurity. He also provides pediatric endocrine content for the Merck Manuals. He is involved in clinical and academic teaching within the pediatric endocrine fellowship at CHOP and regularly provides lectures at the University of Pennsylvania medical school and in the community. Dr. Calabria is currently on faculty of CHOP, serves as the Clinical Director of the Division of Endocrinology & Diabetes at CHOP and is Associate Professor of Clinical Pediatrics and the Perelman School of Medicine at the University of Pennsylvania. He lives in New Jersey with his wife Maria, son Jeffrey and dog Marcel.

Fellow Booklet



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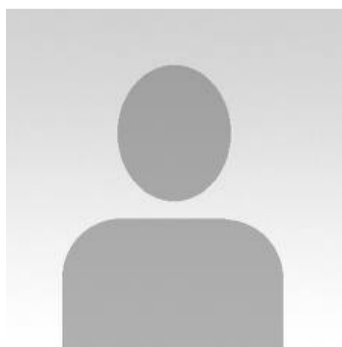
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DIARY



Katarina Krivošíková, MD
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Sunday, September 13, 2020

This was the day when I decided that besides the current situation with COVID-19 I am not going to be afraid and I started preparing my things. Then I took my luggage to the car, picked up Dagmar (my colleague at work and another participant of the upcoming seminar) and all was set for the journey. Later in the afternoon we finally arrived to charming Salzburg. The weather was very pleasant, it was still warm and sunny. Schloss Arenberg welcomed us all in a very friendly atmosphere. The welcome reception was filled with many young paediatricians, nephrologists and resident endocrinologists from CEE promising a very interesting, intellectual but also a very friendly week. We all felt even more the need to keep up with educating ourselves, not being afraid of attending these seminars even in the time of coronavirus. Afterall, all of us had to come with a negative COVID-19 test and there were strict hygiene rules and precautions.

Monday, September 14, 2020

The first lecture started at 9 am. This year, due to the corona-crisis, there were just about twenty of us, however, it did not affect the quality of our group. At the very beginning, we started with the test from paediatric nephrology and endocrinology. It took about 30 minutes and while reading the questions, I was sure that I was going to learn a lot. Then our co-course director Prof. Mache from Graz opened the set of lectures with nephrocalcinosis and urolithiasis.

He reviewed the whole topic very nicely with a complex outcome into our practical life. After that Dr. Beier from Philadelphia was supposed to continue. We were all curious about it since we knew that the American lecturers would not be able to come. But everything was perfectly prepared. We had a Zoom conference; I was really surprised how good the quality of both sound and video was. We really appreciated that even though he had to give us a lecture at 5 am (American time due to a time difference of six hours), he was very nice and willing to answer all our questions. After that we had lunch. I think all of us would agree that the food here was always extremely tasty. The only bad side of it was that we ate so much and we had to drink a lot of coffee to keep us alert for the after-lunch session. The lectures continued then until 4:30 pm. After that, most of us went to explore Salzburg's city centre. Due to the restrictions we just walked around and did not expose ourselves to any chance to endanger our group. However, we really enjoyed the warm weather and the atmosphere of the city. The day ended with another delicious meal at Schloss Arenberg. There were so many thoughts and stimuli from the day in our heads while falling asleep.

Tuesday, September 15, 2020

On Tuesday, the first part of the lectures was devoted to infection-associated hemolytic uremic syndrome, but not only the STEC HUS, but PID associated as well. Prof. Mache gave us a comprehensive recommendation on this acute condition. Then there came the time to start with our prepared case presentations. Morning sessions were dealing with nephrology topics, the afternoon sessions with endocrinology. All the cases presented that day were unique, especially about the young boy Toníček who suffered from Progeria syndrome. Another interesting case about a boy with a very painful Amber stone in the urinary tract had a happy ending. We even learnt how to translate amber stone into the mother languages of all participants. I considered the lecture about renal transplantation very interesting; we gained a lot of information about the current immunosuppression, as well as about the post-transplantation complications. After a great lunch we continued with thyroid and adrenal disorders presented by Dr. Bamba and Dr. Calabria. They both showed us that they are very well oriented in their topics. Dr. Bamba more closely reviewed congenital and acquired thyroid disorders with both hypo- and hyperfunction and pointed out the benefits of the treatment options of these conditions. Dr. Calabria identified thoroughly signs and symptoms of the insufficiency and overactivity of adrenal glands. Overall, both the seminars and case reports were followed with active discussions. The colleagues were also sharing their experiences and commented on the topics.

Wednesday, September 16, 2020

Another day of intensive learning. I woke up quite early, so I decided to start the day with the view of Salzburg from the Kapuzinerberg just behind our Schloss Arenberg. With the fresh air and sun rays finally opening my eyes I felt an influx of energy and motivation and after a few glances on waking Salzburg I ran back to be on time for the lectures. During the lecture about inborn vesico-ureteral reflux a very interesting discussion regarding the need of surgical correction between Dr. Beier, Dr. Aulitzky and Dr. Mache arose. It was very interesting to watch a live discussion among three specialists with various opinions. I think all of us enjoyed their reasonings.

During the day, we discussed a lot with each other about different medical systems and options we encounter in our countries. I learnt a lot. Unfortunately, after the lectures, we had to say goodbye to Prof. Mache because he had to leave. It was, however, very nice to meet with him. We enjoyed his lectures and found his comments and medical advice very professional and helpful. After we were finished for the day with the lectures, some of us went to Mönchsberg for a little walk and discuss further all the things we learnt during that day.

Thursday, September 17, 2020

It rained heavily in the night and it was wet and a bit cold outside, therefore I decided to stay longer in bed before we started our programme. The lectures started with Dr. Acham-Roschitz from Graz. She came to accompany us after Dr. Mache had to leave the day before. She talked about acute kidney injury. The really interesting part was about AKI during newborn age. She also covered today's concern regarding COVID-19 patients and the connection to the renal involvement. After that we listened again to several interesting cases of my fellow colleagues, such as relaps of nephrotic syndrome caused by Parvovirus or syndrome with renal cysts in a diabetic child. Later on, Dr. Acham Roschitz continued with the topic of arterial hypertension and all the new studies trying to bring new approaches to the therapy. After lunch, Dr. Alter talked about diabetes mellitus, the diagnostic approach as well as new therapeutic modalities available for such patients. The last of us then presented their cases on vitamin D and calcium-phosphate metabolism disorders. I was a little nervous because I was the last person presenting and there were so many interesting lectures and case reports before me. However, I hope I could contribute to the rest of the group on the similar level. The last lecture of the day was held by Dr. Calabria who thoroughly covered the whole topic of hypoglycaemia in children. After a long day and many presentations, we decided that we deserved a nice walk along the river ending in the beautiful Mirabell gardens.

Friday, September 18, 2020

The last day started with a very interesting lecture about lupus and ANCA associated nephritis held by Dr. Acham Roschitz. She gave us valuable practical information on the therapy of such patients. That was our last lecture, therefore we were heading right into taking the post-seminar test. We were all a little nervous, but excited as well. Everyone was just curious how much better they got after the whole week. Since I think it is not very clever to think about the questions for too long because it would just make me more unsure about my answers, I finished the test as soon as possible. During the graduation ceremony we were awarded the certificates and even though it made us proud to finish successfully this week, we were partially a little bit sad. Our great week of lectures was just ending and despite the short period of time we spent here, we made many valuable friendships and connections among us. I am very honoured that I was able to come here to Schloss Arenberg and be a part of this community. I am very thankful for all the lectures I could attend to, there were many difficult topics explained in a very comprehensive way. We could see that all of our lecturers are experts in their medical fields and it is really their passion to do what they do. I cannot wait to implement all the knowledge I received here to my every day's working life. Many of us changed our contact information with each other and we promised to stay in contact to share our knowledge and experience or to consult our patients. This week gave me a great time in all ways. I learned many things and met many nice people who became my new professional colleagues but friends, too. I hope I will be able to return here one day again.

