



OPEN MEDICAL INSTITUTE

# PATHOLOGY

SEMINAR REPORT 2019

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**2019 Salzburg Cleveland Clinic Seminar in Pathology**  
**Sunday 16 June - Saturday 22 June 2019**



		<b>Sunday</b> 16.06.2019	<b>Monday</b> 17.06.2019	<b>Tuesday</b> 18.06.2019	<b>Wednesday</b> 19.06.2019	<b>Thursday</b> 20.06.2019	<b>Friday</b> 21.06.2019	<b>Saturday</b> 22.06.2019
07:00	08:00		<b>BREAKFAST</b>	<b>BREAKFAST</b>	<b>BREAKFAST</b>	<b>BREAKFAST</b>	<b>BREAKFAST</b>	<b>DEPARTURES</b>
08:00	09:00		<b>Introductions Pre-Seminar Test</b>	<b>Adenocarcinoma of the Lung: Classification and Molecular Testing</b> Carol F. Farver, MD	<b>Epigenetics in Pathology: DNA Methylation</b> Olaf Merkel, PhD	<b>Flat Urothelial Lesions with Atypia: Diagnosing CIS</b> Jesse McKenney, MD	<b>Osteoblastic Tumors of Bone</b> Scott E. Kilpatrick, MD	
09:00	10:00		<b>Prostate Cancer Grading</b> Jesse McKenney, MD	<b>The Eighth Edition of the TNM Classification of Lung Cancer: An Update</b> Carol F. Farver, MD	<b>Epigenetics in Pathology: Non-Coding RNA</b> Olaf Merkel, PhD	<b>Histologic Variants of Urothelial Carcinoma</b> Jesse McKenney, MD	<b>Giant Cell Lesions of Bone</b> Scott E. Kilpatrick, MD	
10:00	10:30		<b>COFFEE BREAK</b>	<b>COFFEE BREAK</b>	<b>COFFEE BREAK</b>	<b>COFFEE BREAK</b>	<b>COFFEE BREAK</b>	
10:30	11:30		<b>Kidney Tumors with Eosinophil/Oncocytic Cytoplasm</b> Jesse McKenney, MD	<b>Benign Mimickers of Primary Bone and Soft Tissue Malignancies</b> Scott E. Kilpatrick, MD	<b>Angioarchitecture of the Placenta and Changes of Fetal and Maternal Malperfusion</b> Amy McKenney, MD	<b>Pattern Approach to Medical Liver Biopsies</b> Daniela S. Allende, MD	<b>Gestational Trophoblastic Disease</b> Amy McKenney, MD	
11:30	12:30		<b>Challenges and Updates in the Diagnosis of Colonic Adenocarcinoma</b> Daniela S. Allende, MD	<b>Cartilaginous Lesions of Bone</b> Scott E. Kilpatrick, MD	<b>Must Not Miss Placental Diagnoses and Pathology of Fetal/Neonatal Infection</b> Amy McKenney, MD	<b>Update on Pancreatobiliary Cystic and Intraductal Lesions</b> Daniela S. Allende, MD	<b>Common Interstitial Lung Diseases</b> Carol F. Farver, MD	
12:30	14:00		<b>LUNCH</b>	<b>LUNCH</b>	<b>LUNCH</b>	<b>LUNCH</b>	<b>LUNCH</b>	
14:00	15:00		<b>Non-IBD Colitis</b> Daniela S. Allende, MD	<b>Workshop</b> Fellows' Case Presentations	<b>Free Afternoon</b>	<b>Workshop</b> Fellows' Case Presentations	<b>Post-Seminar Test</b> Evaluation & Discussion	
15:00	16:00	<b>Workshop</b> How to Present a Case						
16:00	17:00	<b>Workshop</b> Case Presentations by Faculty to Fellows						
17:00	18:00		<i>17:00 - 17:15</i> <b>OMI/AAF PRESENTATION</b>					
18:00	19:00	<b>FACULTY MEETING TO REVIEW THE WEEK</b>					<b>FAREWELL RECEPTION</b>	
19:00	20:00	<b>WELCOME RECEPTION &amp; DINNER</b>	<b>DINNER</b>	<b>DINNER</b> FACULTY DINNER IN PRIVATE HOME	<b>DINNER</b>	<b>DINNER</b>	<b>GRADUATION DINNER</b> Certificates Awarded	
20:00	21:00					<i>20:30 - 21:30</i> <b>CHAMBER MUSIC CONCERT</b>		

**CLEVELAND CLINIC  
SEMINAR  
in  
SALZBURG**

**"Pathology"**

June 16 – 22, 2019

**FACULTY**



**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 Zuckerkindpreis 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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**Carol F. Farver, MD (Course Director)** is a lung pathologist, the Director of Pulmonary Pathology in the Department of Pathology at the Cleveland Clinic and is Professor of Pathology at the Cleveland Clinic Lerner College of Medicine of Case Western Reserve University School of Medicine. She is the past President of the Cleveland Clinic Medical Staff and served on the Cleveland Clinic Board of Governors. She received her MD degree from Yale University School of Medicine and did her subsequent residency and fellowship/research training in pulmonary pathology at Brigham and Women's Hospital and the Harvard School of Public Health. She joined the Cleveland Clinic in 1995. Her current area of research is predominantly in the area of lung transplantation and inflammatory lung diseases. She has authored over 120 scientific publications and 30 chapters, primarily in these areas. She is co-editor of two major textbooks in the field of pulmonary pathology: *Dail and Hammar's Pulmonary Pathology*, and *Pulmonary Pathology* in a series entitled "*Foundations in Diagnostic Pathology*" She received the 1<sup>st</sup> Annual Distinguished Achievement Award in Graduate Medical Education from the National Association of Pathology Chairs, the Scholarship in Teaching Award from Case Western Reserve University School of Medicine, the Cleveland Clinic's Leadership Development Award and has been included in the "Best Doctors in America" list since 2009.

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**Lukas Kenner, MD (Co-Course Director)** is a pathologist who specializes in molecular pathology especially of prostate cancer and highly malignant T-cell lymphomas. LK grew up in Charlottesville, state of Virginia and later in the city of Graz, Austria. He graduated at the University in Graz, where he also completed his pathology residency at the Pathology Institute of the Medical University Graz with Prof. Helmut Denk. LK did a hematopathology fellowship in the Freie Universität Berlin with Prof. Harald Stein and was postdoc fellow at the Institute of Molecular Pathology (IMP) Vienna with Prof Erwin F. Wagner. From 2004-2013 on LK was associate Prof. at the Pathology Department of the Medical University Vienna (MUV) and since 2014 he is full Prof. for Experimental Pathology and Laboratory Animal Pathology at the MUV and at the University of Veterinary Medicine Vienna. LK mentors staff and scientists to provide state-of-the-art histo-pathology to link basic research projects to applied translational research with analysis of in vivo generated phenotypes which is extremely important in the era of precision medicine. Since LK established an independent research group 2004, LK has been successful in obtaining research funding with the award of 13 major national and European research grants. These research grants have provided funding for the Ludwig-Boltzmann Institute for Cancer Research, Vienna starting 2005 for which LK was deputy director and played a key role in the inception, management and running for over 14 years. In addition, LK was awarded an EU Marie Curie Innovative Training Network grant as co-coordinator of a program involving 13 principal investigators in 7 European countries ([www.ALKATRAS.ERIACL.net](http://www.ALKATRAS.ERIACL.net)) in 2015. Since August 2016 LK is head of the CBMed core lab 2 which is located at the Pathology department, Medical University Vienna (MUV). Since November 2018 he is director of the Christian Doppler Laboratory for Applied Diagnostics, which is integrated in the Pathology department as well as the Department for Nuclear Medicine at the MUV. Apart from providing expert histopathological diagnostic expertise as well as access to human patient material Lukas Kenner serves also as an expert advisor in ethical questions (serving in the Ethics committee of the Austrian government) or genetic questions in medicine (being a member of the “wissenschaftlicher Ausschuss der Gentechnik Kommission für Freisetzungen und Inverkehrbringen (WAFI)” of the Austrian Ministry of Health) as well as his view and vision for new biopatents in Austria as a member of the Biopatent Monitoring Committee of the Austrian Ministry for Transport, Innovation and Technology (BMVIT).

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**Daniela S. Allende, MD** is an Associated Professor of Pathology and Director of Hepatobiliary and Pancreatic Pathology at Cleveland Clinic, Cleveland, Ohio. She serves as Vice-Chair of Research for PLMI. Dr. Allende obtained her MD degree from Favaloro University in Buenos Aires, Argentina. She completed her Anatomic Pathology training and chief residency at CEMIC (Buenos Aires, Argentina). She later pursued an Anatomic Pathology Residency and a GI/HPB fellowship training at Cleveland Clinic (Cleveland, Ohio). She currently serves as Editor for the Journal Watch and Chair of the Education Committee for the Hans Popper Hepatopathology Society. She co-chairs the Grossing Committee for the Pancreatobiliary Society. In addition, she is a member of the NASH-Clinical Research Network Pathology Committee. Dr. Allende has authored multiple peer reviewed articles and book chapters in the fields of gastrointestinal and liver pathology including “Non- neoplastic disorders of the liver” and “Pathology of liver, small bowel and pancreas transplantation” in the latest edition of Gastrointestinal and Liver Pathology (Patil D and Srivastava A, Elsevier Ed.). Dr. Allende has been extensively involved in the education and training of residents and fellows over the years, and she serves as Director of the Residency Mentorship Program at Cleveland Clinic. She enjoys spending time with family and friends the most. She loves learning new things, from languages to playing instruments (trying guitar now).

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**Scott E. Kilpatrick, MD** is a pathologist who specializes in bone and soft tissue, both neoplastic and non-neoplastic disease. Dr. Kilpatrick was raised in the southeastern United States, more specifically the state of Georgia and the city of Atlanta. He obtained a B.S. Degree in Biology at the University of Georgia, Athens, Georgia, and his M.D. degree at the Medical College of Georgia in Augusta. Following residency in Anatomic and Clinic Pathology at the Wake Forest University Baptist Medical Center, Winston-Salem, North Carolina, he completed a surgical pathology fellowship, specializing in Bone and Soft Tissue Pathology, at the Mayo Clinic, Rochester, Minnesota. Previous sites of employment have included both private practice and academic appointments, initially at Wake Forest University Baptist Medical Center, followed by the University of North Carolina, Chapel Hill, where he served as Director of Surgical Pathology. Having joined the Cleveland Clinic in 2016, he currently oversees (directs) the Orthopedic Pathology subspecialty service and is Co-Director of the Department of ePathology (Digital Pathology). His research includes diseases of the skeleton and connective tissues, focusing predominantly on clinicopathologic analyses, correlation of cytogenetic and molecular findings, and the use of fine needle aspiration biopsy. Contributions to the literature encompass over 70 publications, multiple book chapters, and a textbook, entitled *Diagnostic Musculoskeletal Surgical Pathology*. His recent publications include topics related to Ewing sarcoma, clear cell chondrosarcoma, adamantinoma and synovial sarcoma. He has been instrumental in helping recently describe and further define two previously unknown entities, "EWSR1-SMAD fibroblastic tumor" and "atypical sclerosing osteoblastic neoplasm".

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**Amy McKenney, MD** was born in Tallahassee, Florida. Her first love was ballet, she was a Joffrey Ballet trainee in New York City before attending Brown University, where she graduated with a degree in Biology. She went to medical school at Harvard, and did her residency in Anatomic Pathology at the University of California, San Francisco. She completed fellowships in surgical pathology at UCSF, Hematopathology at Stanford (where she met husband Jesse), and pediatric pathology at Texas Children's Hospital in Houston, Texas. Her first academic position was at the University of Arkansas for Medical Sciences in Little Rock, Arkansas, where she practiced pediatric and hematopathology. She and Jesse had their first two children in Little Rock, Madeleine and Hannah Jane, and then returned to Palo Alto to join the pathology faculty at Stanford, where Amy continued her focus in hemepath and perinatal pathology. She enjoyed working with the Children's Oncology Group as a central reviewer for AML trials. Their son Ennis was born in California, in 2012 they moved to Cleveland to join the Cleveland Clinic. Amy's textbook for Amirsys (Elsevier) -" Diagnostic Pathology- Placenta" was published in 2015. She balances signing out placentas with raising their 3 kids, and occasionally gets to return to the ballet studio to choreograph for the City Ballet of Cleveland.

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**Jesse McKenney, MD** is a surgical pathologist specializing in neoplastic pathology. He is a native Texan from the Dallas/Fort-Worth area who attended Texas A&M University and subsequently the University of Texas Southwestern Medical School at Dallas, where he began his pathology career as a post-sophomore fellow. He completed anatomic pathology residency at Emory University in Atlanta, GA (gaining subspecialty training in both genitourinary and soft tissue pathology), and completed a surgical pathology fellowship at Stanford University with a focus on gynecologic pathology. Dr. McKenney has held faculty positions at the University of Arkansas for Medical Sciences and Stanford University, and is now the Vice Chair for Faculty Development in the Department of Pathology at the Cleveland Clinic. Dr. McKenney served on the Education Committee of the United States and Canadian Academy of Pathology for 8 years, and is a current member of both the WHO and AJCC committees for the classification and staging of genitourinary neoplasia. He also serves on the current NCCN committee for prostate cancer treatment guidelines. He has authored or co-authored over 100 manuscripts and is co-editor of the 11th edition of Rosai and Ackerman's Surgical Pathology. Dr. McKenney's current research interests include the pathologic analysis of prostate biopsies for active surveillance management and the evolving classification of renal neoplasia. He lives with his wife and three children in Cleveland, OH.

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**Olaf Merkel, PhD** is a biochemist who specializes in lymphoma and prostate cancer research. Dr. Merkel grew up in southern Austria in the state of Carinthia and completed his undergraduate studies at the Technical University in Graz, Austria. He graduated with a Diploma Thesis about ribozymes which was performed at the University of Sheffield, England. During his PhD again in Graz he studied phospholipase enzymes in yeast. He then accepted a position as postdoctoral fellow in New York, working on epigenetics and replication in Cold Spring Harbor Laboratories, USA. During this time, he witnessed the 9/11 events up close. After Habilitation at the Paracelsus Medical University Salzburg he moved to the National Center for Tumor Diseases in Heidelberg (NCT), Germany, for two years. Dr. Merkel's research interests include microRNA expression in B and T-cell Lymphoma as well as implications of inactivated p53 pathway for the treatment of lymphoma patients. He has published the first comprehensive description of microRNA deregulation in Anaplastic Large Cell Lymphoma in the US "Proceedings of the National Academy of Sciences". Recent publications include the role of microRNA-155 in Anaplastic Large Cell Lymphoma in the "American Journal of Pathology" and the tumor driving function of tyrosine kinase TYK2 in Anaplastic Large Cell Lymphoma published in "Leukemia" this year. He is a peer reviewer for multiple major scientific journals such as Blood, Leukemia and others. Dr. Merkel's efforts have earned him grants from the European Commission Marie-Slodowska-Curie actions horizon 2020 and from the Austrian National Bank. Dr Merkel is currently on the faculty of the Medical University of Vienna at the Department of Pathology as group leader and Associate Professor. He lives in Salzburg and Vienna with his wife Ninon and children Eliane, Lionel and Adrienne.

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**CLEVELAND CLINIC  
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**"Pathology"**

June 16 – 22, 2019

**FELLOWS**

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## SEMINAR DIARY FROM FELLOW

Estefanie Valdes Peregrina, MD  
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June 16 - 22, 2019



**June 15, Saturday.** I arrived in Salzburg at the afternoon with my friend Davinia from Mexico. It was my first time in Europe, and I was amazed by the first impression of the city that I had while we were going by taxi to the Schloss Arenberg. The weather was perfect, a cloudy day and you could see that it had just rained. We arrived at the Schloss and I met a colleague from Bosnia and Herzegovina, and we went together to have dinner around the city.

**June 16, Sunday evening.** We had the welcome dinner and reception; they gave us a welcome message and we were able to share some experiences of what other colleagues do in their pathology practice. I was very excited to meet people from other countries, not only their pathology practice, but their language and culture. From the first impression everyone was very kind to me, and I had a very warm welcome.

**June 17, Monday.** The first day of the seminar started at 8am, I loved the Hall where we were going to have the lectures, it was surrounded by photos of dogs and cats. Ms. Stephanie Faschang gave us the welcoming message along with Prof. Carol Farver and told us the important announcements of the seminar. The first lecture began with Prof. Jesse McKenney about the new classification of Gleason tumors, we continued with renal oncocytic tumors. We had the group photo and, in the coffee break I was talking with a colleague from Croatia who, as soon as she knew that I came from Mexico, did not hesitate to review her Spanish classes with me. I loved being able to help her with that. Then we had Prof. Allende's lecture about colonic adenocarcinoma and non-IBD colitis. I loved those lectures, the two professors taught us the practical things of each topic, they were didactic, and they were solving the doubts that we had during the lecture. I must admit that personally I am most interested about gastrointestinal pathology. After the lectures we went to the center of Salzburg, to the Mozartplatz with colleagues from Croatia, Bosnia, Slovenia and my friend from Mexico.

**June 19, Wednesday.** The third day we had the molecular lectures where, although it is complex information, Prof. Olaf Merkel explained it in a didactic way and taught us what we need to know about the generalities of epigenetics and mRNA. Then we continued lectures with Prof. Amy McKenney about the placenta and I was amazed about the importance of studying this topic and recognizing all the subtle changes we can see in order to diagnose some common and rare entities in this field of pathology. In Mexico we see very little perinatology pathology and I am very excited to share this with my colleagues in my country that will help us to make better diagnoses. We had a free afternoon and

I went along with my colleagues from Bosnia, Hungary, Estonia and my friend from Mexico to Lake Fuschl, a beautiful place.

**June 20, Thursday.** On the fourth day we had the lectures about urothelial neoplasms with Prof. McKenney and we continued with Prof. Allende about liver biopsies and cystic pancreatobiliary neoplasms. After the lectures I had the opportunity to chat with Prof. Allende about some doubts I had regarding liver biopsies about my experience with some cases in particular, she was very accessible and gave me many good advices and opened the opportunity for me to be able to share doubts with her about my cases, I am grateful as all teachers have opened the opportunity to be able to keep in touch with them in the future. In the afternoon we continued with the presentation cases of my colleagues, I was the last to present their case, I was a bit nervous, but I think I was able to transmit everything I had prepared for my case. In the afternoon I went to Hohensalzburg Fortress with some colleagues and it started to rain but we could appreciate the beautiful view of the city from the top of the fortress. At night we had the opportunity to be at the Chamber music concert here at Schloss Arenberg, which was beautiful.

**June 21, Friday.** This is the last day of the seminar and we will conclude with Prof. Scott Kilpatrick lectures about osteoblastic and giant cell tumors, we will also have the lecture by Prof. McKenney about trophoblastic diseases and we will finish with Prof. Carol Farver about of lung neuroendocrine carcinoma. In the evening we will have the Farewell reception and the graduation dinner.

I want to express my great gratitude to everyone in the organization of this seminar and AMSA in Mexico, for the opportunity to be here, it is a unique experience to be able to learn this valuable pathology information, share with people from different countries and enjoy this beautiful city. I am taking to my country many memories, a lot of beautiful photographs and the great opportunity to be in contact with colleagues around the world.

*Estefanie Valdes Peregrina, MD (Mexico)*

## SEMINAR DIARY FROM FELLOW

**Marketa Valkova, MD**  
**University Hospital Hradec Kralove**  
**Hradec Kralove, Czech Republic**  
**June 16 - 22, 2019**



**June 16, Sunday evening.** I travelled to Salzburg by train and I arrived around 4 p.m. The journey was comfortable with one change in Vienna. Traveling time passed me fast because I travelled together with my colleague. The last hour in the train we spend time looking out of the window and enjoying the landscape and mountains. Participation in this Salzburg seminar was recommended to us by one of our colleagues from our Pathological Institution. She was here 3 times and she considered the Salzburg seminars as very helpful to routine pathological practice. The railway station looked good and we easily found the trolleybus stop. The way to our accommodation was quick and easy because there is a directional sign on the road. Schloss Arenberg is a beautiful place very close to city centre but without any noise from traffic. There is a park and garden around the building. Organization of the arrival was perfect. I filled in some forms and my room was already prepared. Everybody had a single room. My room was very cosy. We could use free WIFI with stabile signal as well a library with a possibility to use computers. At 7 p.m. we had the first meeting in the hotel lobby with our Faculty. Every member of the Faculty introduced himself and characterised his pathological specialization and some organization rules of the seminar were said to us. After that we had a tasty dinner. It was nice evening with time to meet participants from different countries from Mexico to Mongolia. Unfortunately, we were not complete as three colleagues were late because of their flight delay. There were 32 registered participants for the 2019 Pathology seminar in Salzburg.

**June 17, Monday.** The breakfast was served every day between 7-8 a.m. At 8 o'clock the course director Carol Farver, MD welcomed us to the seminar and Stephanie Faschang informed us about organization and agenda. The pre-seminar test followed the introduction and after the test every participant introduced himself, his institution, country and pathological specialization. The first lectures were focused on urogenital pathology with pointing at prostatic cancer grading and kidney tumours. The lector was Jesse McKenney, MD and both his lectures were perfectly prepared with practical examples. Many participants had questions and he answered all of them promptly. There was a coffee break where they took a photograph of all Faculty and participants. At 12.30 we had lunch break. There was sunny weather, so it was possible to sit outside near the park and we really enjoyed the time for relax to take new energy for the next lectures. The following topic was updates in colonic adenocarcinoma and non-IBD (idiopathic bowel disease) colitis presented by Daniela Allende, MD. Both presentations were very interactive and actual, and they reflected news and pitfalls in practise. The rest of the afternoon program was filled by a case reports presentation of our Faculty. Every case report was complemented by differential diagnosis which I considered to be very important in pathology routine practice. We had some free time before dinner. A lot of participants had a short walk to the city centre. I liked the Mozart Square and Salzburg Cathedral (Salzburger Dom) which is a

huge and amazing building. The dinner was very tasty with a salad bar which is very nice in the hot summer weather.

**June 18, Tuesday.** The program was very varied and there were two topics: lung cancer and soft tissue pathology. Both are very useful for our routine practice. Carol Farver, MD excellently presented us lung cancer and she pointed out the news in recent WHO (the World Health organisation) classification of lung tumours in the first lecture and basic rules of molecular testing of lung tumours in the second lecture. This part of pathology has changed a lot and she summarized the most important information for us. The coffee break everybody spent outside with cup of coffee with very tasty cake or fruit. The second part of the program was focused on pathology of soft tissue and the lector was Scot Kilpatrick, MD. This part of pathology is extremely voluminous, and he chose useful topics for us: Benign Mimickers of Primary Bone and Soft Tissue Malignancies. His lecture and speech caught attention of all of us. During the afternoon program there were a case report presentation of 13 participants. Everybody had 5 minutes for presentation of some interesting or unusual case from his practice. There were mainly biopsy cases but also some autopsy cases. There was a discussion after every case. This part of the program was followed by short introduction of OMI Salzburg seminars and The American Austrian Foundation and what are the aims of this organization. The evening was very nice, and we spent our time together with talking about our experiences, work, studies and traveling and so...

**June 19, Wednesday.** This day we started with a bit different lecture. Olaf Merkel, MD had a great presentation about Epigenetics in Pathology focused on DNA methylations and Non-coding RNA. Participants who are not used to work in research were maybe sometimes lost or have forgotten some facts because this topic does not belong to routine pathology practise, but Olaf came thought all important things and explained everything to us. A lot of participants had tricky questions, but Olaf answered every question quickly or we discussed on some topics. Program continued with a lecture about placenta presented by Amy McKenney, MD. Placenta is for many pathologist "mystery" organ and Amy as an expert knows this fact, so firstly, she did something like repetition about the basic anatomy, histology and physiology of placenta. This was very useful, and we covered all important terms. Her lecture continued by the description of the changes connected to malperfusion of placenta and this part was followed by examples of diagnosis which pathologist must not miss in the placenta. Her presentations were full of histological pictures and examples, so very useful for practice. Lunch was very tasty (as always). There was a free afternoon. Almost everybody went out because the weather was so sunny. Some of us went to visit the city centre, castle or had some boat trip, for example to Hellbrunn. Some participants ran along the river or swam.

**June 20, Thursday.** Program of the last but one day was very rich. Jessy McKenney, MD started with basic criteria of urothelial lesions followed by classification of invasive urothelial carcinoma and variants of this neoplasm. There were a lot of practical advices and both his lectures were excellent. Coffee break was nice, and we set down outside with coffee and donuts. Daniela Allende, MD had two instructive lectures focused on liver biopsy and to pancreatic neoplasms after the coffee break. She revised all important terms and news in this part of pathology. We had typical Austrian food combination for lunch – schnitzel and potato salad with vinegar. There was the second workshop of the participants presentations at the Seminar during the afternoon. There were 12 interesting case reports. Every participant had 5 minutes for his presentation, and this was followed by discussions and questions. Some of us were a bit nervous but atmosphere was kind, so nobody had to be afraid of this. Finally, we considered that this was a great possibility for us to practice how to present properly. Thursday evening was special. A chamber music concert for us took place after dinner. I hope I can say that it was an amazing experience for all of us. One hour of beautiful music produced by students of Musical school in Vienna.

**June 21, Friday.** Almost all of us were a bit nervous during the last day of the seminar. In the morning there were two excellent lectures about bone pathology by Scott Kilpatrick, MD. There was a general

talk about bone lesions especially osteoblastic tumors and giant cell tumors. His lectures were full of histological photos and examples, so again very useful for routine practice. Amy McKenney, MD continued to lecture about gestation trophoblastic disease. This topic is not so popular in general pathology but every pathologist who does routine biopsy can have such a case in the biopsy, so this topic was very important. Amy had a lot of practical advices in her lecture for us. The last lecture was presented by Carol Farver, MD. The lecture focused on neuroendocrine tumors of lungs. This part of pathology has been changed for several times and it is still in developing process. Carol revised all important terminology and she emphasized the most important news.

Almost everybody with an exception of the Faculty ate lunch quick to have a bit more time to went thought handouts of the lectures as the post-seminar test was waiting for us after lunch. We started at 2 p.m. Evaluation and discussion of the test and of the seminar came after the test. We had free time in the afternoon to go for shopping to buy some small presents or just to see the city center. Farewell reception, graduation dinner with awarding of the certificates were take place during the last evening of the seminar. I hope I can say that all participants of the Pathology seminar liked this seminar. It was very educative, and all members of the Faculty were prepared for us precisely. We met new people and gained some new contracts. We thank a lot all members of the organization team for everything and we hope that we will see us again in next years.

*Marketa Valkova, MD (Czech Republic)*