



OPEN MEDICAL INSTITUTE

Diagnostic Imaging

SEMINAR REPORT 2019

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SALZBURG WEILL CORNELL DIAGNOSTIC IMAGING SEMINAR

September 22-28, 2019

• 33 fellows from 24 different countries and regions
• 14 faculty members from the United States, Switzerland and Austria
• 26 lectures given by faculty
• 1 case presentation session and 2 ultrasound workshops given by faculty
• 33 interesting case presentations by fellows
• 5 excellent case presentations selected by faculty

Faculty Photo (L-R)

Lily M. Belfi, MD; David W. Trost, MD (Course Director); Franz Kainberger (Co-Course Director);
Janina Patsch, MD; David A. Boyajian, MD and Christian R. Krestan, MD
not pictured: Suzanne E. Anderson, MD, PhD, DRANZCR; Klaus Hergan, MD;
Florian A. Huber, MD (Tutor); Ammar Mallouhi, MD, MBA, Assoc.-Prof., Priv.-Doz.;
Hannes Platzgummer, MD; Soraya Robinson, MD; Dietmar Tamandl, MD and A. John Tsiouris, MD



Group Photo of Faculty and Fellows



2019 Salzburg Weill Cornell Seminar in Diagnostic Imaging
Sunday 22 September - Saturday 28 September 2019



		Sunday 22.09.2019	Monday 23.09.2019	Tuesday 24.09.2019	Wednesday 25.09.2019	Thursday 26.09.2019	Friday 27.09.2019	Saturday 28.09.2019
07:00	08:00		BREAKFAST	BREAKFAST	BREAKFAST	BREAKFAST	BREAKFAST	DEPARTURES
08:00	08:30		Introductions Pre-Seminar Test	Attending Case Presentations A. John Tsiouris, MD	Attending Case Presentations Lily M. Belfi, MD	Attending Case Presentations David A. Boyajian, MD	Attending Case Presentations David W. Trost, MD	
08:30	09:15			Traumatic Brain Injury A. John Tsiouris, MD	Emergency Musculoskeletal Cases Lily M. Belfi, MD	Patient Safety and Professionalism: The Valuable Radiology Report David A. Boyajian, MD	Emergency Interventional Radiology Part 1 David W. Trost, MD	
09:15	10:00		Polytrauma Imaging Christian R. Krestan, MD	Spinal Cord Injuries and Vertebral Fractures Ammar Mallouhi, MD, MBA	Elbow and Hand Trauma Franz Kainberger, MD	Imaging of Cardiac Emergencies: Triple Rule Out and Other Hot Topics Klaus Hergan, MD	Non-Traumatic CNS Emergencies A. John Tsiouris, MD	
10:00	10:30		COFFEE BREAK	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK	
10:30	11:15		Imaging of Pediatric Emergencies Janina Patsch, MD	Neuroimaging in Acute Stroke A. John Tsiouris, MD	Pelvic and Hip Trauma Suzanne E. Anderson, MD, PhD	Glenohumeral Dislocation and Associated Injuries David A. Boyajian, MD	Emergency Interventional Radiology Part 2 David W. Trost, MD	
11:15	12:00		Commonly Missed Fractures Christian R. Krestan, MD	Trauma of Facial Bones, Skull Base, Teeth & Larynx Soraya Robinson, MD	Biomechanical Approach to Knee Trauma Franz Kainberger, MD	Musculoskeletal Infections and Other Forms of Inflammation Suzanne E. Anderson, MD, PhD	Patient Safety and Professionalism: MRI Safety David W. Trost, MD	
12:00	12:45		Artificial Intelligence: Impact on Radiology Education Lily M. Belfi, MD	Patient Safety and Professionalism: Physician Burnout Lily M. Belfi, MD	Patient Safety and Professionalism: Imaging in Forensic Medicine Franz Kainberger, MD	Patient Safety and Professionalism: Radiation Dose Optimization in CT Scanning David A. Boyajian, MD	Post-Seminar Test Evaluation & Discussion	
12:45	14:00		LUNCH	LUNCH	LUNCH	LUNCH	LUNCH	
14:00	14:45		Common and Rare Causes of Acute Abdominal Pain Dietmar Tamandl, MD	Foot: Sports-related Overuse and Trauma Franz Kainberger, MD	Free Afternoon	Peripheral Nerve Injuries Hannes Platzgummer, MD		
14:45	16:00		Workshop Fellows' Case Presentations	Workshop Fellows' Case Presentations		Ultrasound Workshop Franz Kainberger, MD Florian A. Huber, MD		
16:00	17:00							
17:00	18:00		17:00 - 17:15 OMI/AAF PRESENTATION	Ultrasound Workshop				
18:00	19:00	FACULTY MEETING TO REVIEW THE WEEK		Franz Kainberger, MD Florian A. Huber, MD			FAREWELL RECEPTION	
19:00	20:00	WELCOME RECEPTION & DINNER	DINNER	DINNER FACULTY DINNER IN PRIVATE HOME	DINNER	DINNER	GRADUATION DINNER Certificates Awarded	
20:00	21:00					20:30 – 21:30 CHAMBER MUSIC CONCERT		

**WEILL CORNELL
SEMINAR
in
SALZBURG**

"Diagnostic Imaging"

September 22 – 28, 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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David W. Trost, MD (Course Director) is an Associate Professor of Clinical Radiology and former Director of Interventional Radiology at the Weill Medical College of Cornell University in New York. He also serves as Associate Attending Radiologist at the New York Presbyterian Hospital. Dr. Trost received his medical degree from Georgetown University School of Medicine in Washington, DC. His postgraduate training included a residency in Diagnostic Radiology at St Vincent's Hospital Medical Center in New York and a fellowship in Cardiovascular and Interventional Radiology at New York Hospital Cornell Medical Center. His clinical interests are Inferior vena caval filters, minimally invasive tumor therapies including, ablation and embolization. His major research interest is vena caval filters. Dr. Trost currently serves as reviewer for Radiology, Transplantation and the Journal of Vascular and Interventional Radiology. In addition, he serves as examiner for the American Board of Radiology. Dr. Trost is a member of several professional organizations, The Radiological Society of North America, The Society of Interventional Radiology, and The Cardiovascular and Interventional Radiological Society of Europe.

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Franz Kainberger, MD (Co-Course Director) graduated 1983 at the University of Innsbruck Medical School. From 1985 – 1990 residency at the Department of Diagnostic Radiology University Hospital Vienna/Austria. Since 1994, Associate Professor of Radiology at the Section of Osteology of the Department of Diagnostic Radiology and deputy-chief from 1995-2008. Since then, deputy chief of the Division of Neuroradiology & Musculoskeletal Radiology and Medical Director of the Computer Image Analysis (CIR) Lab. From 2004-2007 and again since 2011 he is member of the Board of Directors of the medical school at the Medical University of Vienna. He published 233 scientific papers in international and national scientific journals and 53 books or book chapters as an author or co-author. He has been involved in various activities of national and European scientific associations and congresses. Among them, he served as President of the Austrian Society of Radiation Protection (2005 – 2011, www.strahlenschutz.org), as President of the College of Physicians of Vienna (2011 – 2015, www.billrothhaus.at), is currently Past-President of the European Society of Musculoskeletal Radiology (www.essr.org) and Chairman of the ESR Radiation Protection Subcommittee. From 2005 to 2011, he was Co-editor of the CME section of the journal “Der Radiologe”, since 2005 Member of the Editorial Board and since 2015 Section-Editor for Imaging of the “Wiener klinische Wochenschrift - The Central European Journal of Medicine”. Main research interests are in the field of musculoskeletal radiology (focussing on rheumatology, sports medicine and orthopaedic oncology), in computer-assisted imaging, and in radiation protection.

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Suzanne E. Anderson, MD, PhD, DRANZCR is a musculoskeletal radiologist. She grew up in Australia and did her radiology training at Royal North Shore in Sydney and subspecialty training in Musculoskeletal and Neuroradiology at the University of California San Francisco. Her fellowship training was with Dr. Lynne Steinbach and Dr. Harry Genant in radiology and Dr. JO Johnston in orthopedics tumor oncology. She became chief of the musculoskeletal section at the University of Bern Switzerland and completed her PhD there. Dr. Anderson's research interests include clinically related MSK MRI radiology including hip and spine, sports injury and MSK tumors and her efforts have earned her grants both in Europe and in Australia. Back in Australia Dr. Anderson became the inaugural Chair of Medical Imaging at the University of Notre Dame Australia with campuses in Sydney and Melbourne. She continues to be strongly involved in University and International Radiology Society Boards and Committees. She enjoys medical student, radiology trainee, international and Outreach education work. Dr. Anderson is currently a senior MSK consultant at Baden Hospital affiliated with the University of Zurich and continues with academic work at Sydney School of Medicine UNDA. Dr. Anderson greatly enjoys her MSK Teleradiology connect time with Australia supporting rural, remote and city emergency radiology centres. She currently lives with her son Sal in Switzerland, enjoying nature, art and architecture.

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Lily M. Belfi, MD was born and raised in New York City. She graduated from Dartmouth College in 1998 with a Bachelors of Arts in Classical Studies. She received her medical degree from the State University of New York at Buffalo in 2002. She fulfilled her radiology residency at Winthrop University Hospital in Mineola, NY in 2007, and completed a fellowship in Body Imaging at New York Presbyterian Hospital Weill Cornell Medical Center in 2008. Lily M. Belfi MD is currently an Associate Professor of Clinical Radiology in the Division of Emergency/ Musculoskeletal Radiology at New York Presbyterian Hospital, Weill Cornell Medical Center in New York City, where she is also Director of Medical Student Education. She is recipient of the Weill Cornell Medical College Award for Teaching Excellence. She is founder and director of the Clinical Radiologist Educator Alliance for Teaching Excellence and is the 2016 recipient of the Herbert M. Stauffer Award for Best Education Paper from the Association of University Radiologists. She is the Association of University Radiologists' Junior Representative to the Association of American Medical Colleges. As an active AAMC member, she serves on the Council of Faculty and Academic Societies on the Physician Resilience Committee. In her spare time, she enjoys traveling, yoga, photography, and pottery.

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David A. Boyajian, MD is a general radiologist who also specializes in magnetic resonance imaging of the musculoskeletal system, abdomen, and pelvis. He is an alumnus of Harvard University, having earned the degrees *Artium Baccalaureus summa cum laude* in Biochemical Sciences, and Doctor of Medicine. He completed internship in Internal Medicine at Mount Auburn Hospital (Cambridge, Massachusetts), residency in Diagnostic Radiology at NewYork-Presbyterian Hospital (New York City), and fellowship in Musculoskeletal and Body Magnetic Resonance Imaging at Weill Cornell Medical Center (New York City). During his training, he also served as Radiology Chief Resident. In 2010, Dr. Boyajian joined the full-time faculty at Weill Cornell Medical College. He now serves as Vice Chairman of Radiology for Lower Manhattan, where he leads both a Hospital-based full-service radiology department and a free-standing outpatient practice. During his tenure, he has garnered a reputation for clinical excellence in a broad array of imaging modalities, including MRI, CT, and ultrasound. He is a moderator of Lower Manhattan Hospital's interdisciplinary gastrointestinal and genitourinary tumor board. Leadership of numerous efforts to enhance quality, safety, and the patient experience has been a hallmark of his career. Dr. Boyajian is a member of the American College of Radiology, the Radiological Society of North America, and the American Roentgen Ray Society. Dr. Boyajian was born and raised in Delaware, America's first state. He currently resides in the foothills of the Ramapo Mountains of northern New Jersey. He maintains avid avocational interests in Indo-European languages, folk music of the world, and various outdoor activities.

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Klaus Hergan, MD is a full Professor of Radiology and head of the Department of Radiology, University of Salzburg. He completed his residency at Feldkirch, with special MR training and fellowships in Zurich, Vienna, and Graz. Dr. Hergan graduated as Professor of Radiology at the University of Innsbruck. Scientific studies on brain trauma could be done at Harvard Medical School, Department of Neuroradiology, and Massachusetts General Hospital. As a general radiologist, his special focus is on Cardiac Imaging with non-invasive techniques like CT and MRI. Dr. Hergan serves as a reviewer for the European Journal of Radiology, European Radiology, and Ultrasound in Medicine and Biology. He is an examiner for the Austrian board of Radiology and is head of a nationwide working group on Cardiac Imaging. Currently, Dr. Hergan has his main interest in the further development of the Department, in training the radiological residents and in developing and supporting scientific work at the institute. Dr. Hergan is a member of several professional organizations in Austria, and also a full member of the Radiological Society of North America, the International Society of Magnetic Resonance in Medicine, the American College of Radiology, and the American Roentgen Ray Society.

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Florian A. Huber, MD (Tutor) is a resident physician at the Institute of Diagnostic and Interventional Radiology at the University Hospital Zurich. He specializes in musculoskeletal radiology. Dr Huber grew up in Vienna, Austria, where he also graduated from the Medical University of Vienna. Already in the first years of his medicine studies, he joined the student ultrasound organization "Sono4You". Most of his active time there, he was part of the organization's executive committee and in charge of several projects, e.g. the establishment of Sono4You in Hamburg. His teaching activity has also included teaching ultrasound and radiology classes to degree students. He is currently lecturing at the Medical Faculty of the University of Zurich, as well as tutoring accredited courses of the Swiss Society of Ultrasound in Medicine (SGUM).

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Christian R. Krestan, MD, MBA is a radiologist who specializes in Musculoskeletal Radiology and Trauma Imaging. Dr. Krestan grew up in the southern suburbs of Vienna, where he completed his undergraduate studies. He graduated from the University of Vienna, Medical School. After Medical School in Vienna he did one year of Internship at the University of Cape Town, Groote Schuur Hospital, South Africa. He completed his radiology residence at the Medical University of Vienna with Prof. Lechner. Dr. Krestan was a fellow at the Department for Radiology, Division of Muskuloskeletal Radiology and Neuroradiology with Prof. Imhof. From 2012-2019 he has been responsible for Trauma Imaging at the Medical University of Vienna, Division of General Radiology and Pediatric Radiology. In 2018 he took over the position as Deputy Head of the Department of General and Pediatric Radiology and since May 2019 he has been Chief Radiologist of the Department of Radiology at Emperor Franz Josef Hospital in Vienna. Dr. Krestan's research interests includes MDCT of polytrauma patients and acute traumatic joint injuries. He is a peer reviewer for the European Radiology and the American Journal of Roentgenology as well as a member of the Editorial Board of the European Radiology, Muskuloskeletal Section. He lives in the southern suburbs of Vienna with his wife Christiane and daughters Valerie and Caroline.

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Ammar Mallouhi, MD, MBA, Assoc.-Prof., Priv.-Doz. is a radiologist who is specialized in neuroradiology. Dr. Mallouhi completed his Specialization in diagnostic radiology in Innsbruck, Austria in 2006 and received the authorization to teach „Venia Docendi“ in 2007. In 2010, he moved from Innsbruck to Vienna and works since then as a consultant at the Department of Neuroradiology at Vienna Medical University. In 2012, he was nominated associate professor at Vienna Medical University. Dr. Mallouhi's main research field is imaging in Neurosurgery especially neurovascular and neurooncological imaging. He has published more than 45 papers and Proceedings in reputed journals and he is a peer reviewer for several radiology journals. He was awarded with many international scientific awards including three "Certificate of Merit" from the RSNA. Currently, he is heading the neurosurgical neuroimaging section at the Department of Neuroradiology. He lives in Vienna with his wife Astrid.

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Hannes Platzgummer, MD is staff radiologist at the Department of Diagnostic Imaging and Image guided Therapy, Medical University of Vienna. He specializes in musculoskeletal imaging and has a research focus on peripheral nerve imaging. He is a peer reviewer for multiple major journals in the field of pain research, radiology and sonography. Dr. Platzgummer is currently subcommittee member of the Arthritis subcommittee of the European Society of Skeletal Radiology (ESSR) and deputy Head of the Musculoskeletal Ultrasound Section of the Austrian Ultrasound Society (ÖGUM).

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Soraya Robinson, MD is a general radiologist with a special focus on head and neck radiology. She grew up and was trained in Vienna, Austria. She has been working at the University Hospital in Vienna until 2001, until 2005 at the University Hospital in Helsinki, Finland and since then as one of 11 radiologists in Diagnose Zentrum Urania in Vienna, an imaging institute on an outpatient basis in with all modalities. She is an active member in the Austrian Radiological Society and on the Executive Committee of the European Society for Head and Neck Radiology and plays an active part in the European Society for Radiology, where she has established the Case-Based Diagnosis Training. In 2020 she will be congress president for the ESHNR in Salzburg. She is reviewing for Radiology, Insights into Imaging, European Radiology and Neuroradiology and invited speaker for national and international courses and conferences. She is on the Editorial Board of Aunt Minnie Europe. She takes a special interest in the temporomandibular joint and maxillofacial imaging. She also participates in the Austrian Breast Screening Programme. She lives in Vienna with her husband and has an adult son.

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Dietmar Tamandl, MD is a radiologist who specialized in imaging for Gastrointestinal tract cancers and oncologic radiology. He grew up in Vienna where he attended and graduated from Medical school. After serving in the Austrian Army, he started a residency in General Surgery at the Medical University of Vienna. He completed his training in 2009 and worked as a General Surgery Attending with special focus on Surgical Oncology at the Vienna General Hospital. His research focused on liver and biliary tract cancers, and he received the Venia docendi from the Medical University of Vienna for his research in that field (Assistant Professor). In 2010/11 he completed a Surgical Oncology Fellowship at the Memorial Sloan-Kettering Cancer Center in New York, where he was trained in Advanced Surgical Oncology procedures. His special focus was colorectal and hepatobiliary/pancreatic surgery. During that fellowship, his interest in radiology was raised and continued to increase after his return to Vienna in 2011. After working at the Surgical Department for almost another year, he decided to switch subjects and started a new residency in Radiology, which he completed in 2017. In 2017, he also passed the European Board Examination for Radiology (EBiR). Similar to his previous scientific interest, his main attention is on abdominal and oncological radiology, and he also published several papers in that field. He has authored and co-authored around 50 peer-reviewed articles and 4 book chapters. He is a regular speaker at national and international conferences. He is reviewer for several surgical and radiological journals and is also currently assistant editor at the Journal of pancreatic cancer. He continues to work at the Medical University of Vienna. He is married and has two sons.

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A. John Tsiouris, MD graduated Phi Beta Kappa from The Johns Hopkins University in 1993 with bachelor degrees in Biology and Psychology. He then went on to complete medical school at Cornell Medical College in 1997, graduating Alpha Omega Alpha. He trained in diagnostic radiology and subspecialized in neuroradiology at The NewYork-Presbyterian Hospital and Memorial Sloan Kettering, completing his training in 2003. He is currently an Associate Professor of Clinical Radiology and the Director of MRI at NYPH-WCMC. Dr. Tsiouris' research interests include the use of advanced MRI techniques such as diffusion tensor imaging and resting state functional MRI as biomarkers in traumatic brain injury. He also investigates the use of MR quantitative susceptibility weighted (QSM) imaging in the assessment of traumatic brain injury, brain tumors, neurodegenerative diseases (i.e. Parkinson disease and amyotrophic lateral sclerosis), and multiple sclerosis. He has significant experience in interpreting imaging studies in patients with traumatic brain and spine injury and has written multiple papers on the topic, including recent white papers on imaging recommendations for traumatic brain injury in *JACR* and *AJNR*.

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FELLOWS

Fellow Booklet 699SWCS19 Diagnostic Imaging



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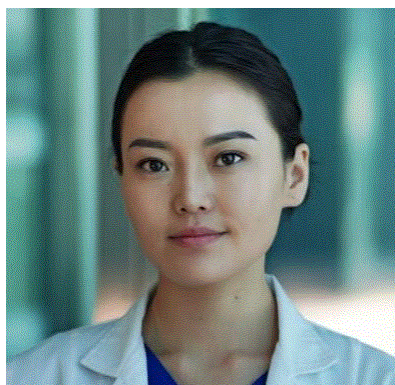
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SEMINAR DIARY FROM FELLOW

Fathia Salah, MD
Addis Ababa University
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Addis Ababa, Ethiopia
September 22-28, 2019



September 22, Sunday. After a 9 hrs. flight from Ethiopia to Frankfurt, I arrived at Salzburg airport. Tired but the management at the airport was good. I took taxi to Schloss Arenberg. The driver was a nice man and he welcomed me, showed me historic places as he drove through the city. I was amazed by the architecture in the city, how quiet and beautiful it is, I love Salzburg. After some paper work I went to my room which was organized and beautiful. It was facing the mountain with a nice view. At 7o'clock Dr. Wolfgang Aulitzky (Medical Director of AAF), Prof Franz Kainberger and Dr. David Boyajian introduced the main purpose of the seminar and how we can be invited for the observership. Since it was the time of the October festival both Dr. David W. Trost and Dr. David Bojajian were wearing cultural dresses. A very tasty dinner was served and I had the chance to talk and meet friends from Mexico. It was useful to break the first communication barriers with other people

September 23 Monday. At 8 o'clock we were welcomed again by Dr. David Trost and the pretest was given. Some of the questions had new words for me like *Resilience * and with some of the questions I was not sure of the answer, well I am here to learn. Dr. Christian R. Krestan from the Medical University of Vienna gave us lectures on polytrauma imaging and common missed fractures both lectures were interesting and practical. Dr. Janina Patsch from the Medical University of Vienna also talked to us about imaging of pediatric emergencies. As a pediatrics fellow I was so interested and followed every word she said. Common and rare cause of abdominal emergencies were covered by Dr. Dietmar Tamandl from Vienna. He showed cases from his collection and within 45min almost most topics of abdominal emergencies were discussed. Dr. Lily M. Belfi from Weill Cornell Medical Center, New York has given us full and an impressive highlight about Artificial intelligence which I always had thought about and she made it clear how we can use AI and the fact that it will never replace radiologists at least not now. The fellows' cases were presented. Interesting cases were presented. Miss Stephanie Faschang gave us information about the AAF, its aim and all the possibilities that all young physician can get from the AAF. OH we had group photo with the faculty at mid-day, before we knew that the day was over.

September 24, Tuesday. The day began with neuro-cases by Dr. A. John Tsiouris from New York Presbyterian Hospital, I always like to look at neuro cases even though I only work with pediatric neurology cases. The cases, the presentation and the way the lectures were delivered was excellent. Dr. Tsiouris also conducted two lectures, traumatic brain injury and neuroimaging in acute stroke. In my center we only use CT in acute brain injury and No SWI. We all found it very interesting. The spinal

cord and vertebral injury lecture was given by Dr. Ammar Mallouhi. Trauma of facial bones, skull base teeth and larynx was conducted by Dr. Soraya Robinson. We were impressed by the way they both handled the vast and difficult parts especial temporal bone in a simple and interesting way. At noon we had an interesting discussion about physician burnout with Dr. Lily M. Belfi. For most of us the topic was new and it is interesting to know people from the other part of the world who feel the same way. At the end of the session Dr. Lily Belfi asked us to do mental exercise with her I really found it relaxing and I am hoping to take the exercise back home and practice it with my colleagues. Finally, it was time for the fellows' case presentations and lots of interesting cases were presented, including proved AML metastasis. Half of the class had ultrasound workshops while the other half including me went to visit the fortress on the top of the hill with a beautiful view, we also joined the October festival. We really had nice day in Salzburg.

September 25, Wednesday. After we had nice breakfast and a good coffee, Dr. Lily M. Belfi began the day with a lecture and a case based teaching method: MSK cases and Non MSK cases. The class was active; everybody was asking questions. The lectures by Dr. Franz Kainberger and Dr. Suzanne E. Anderson, which were about MSK imaging were very interesting and personally it motivated me to look carefully on all my MSK reports and think from the point of view of an orthopedic surgeon. The lectures were over before we realized it. After lunch my new friends Dr. Elisa Torres Balderas and Dr. Luis Zavala Garza and I went out for a walk by the lake and went shopping. We enjoyed the fresh air in Salzburg.

September 26, Thursday. At 8 o'clock we started the lesson with a case based lecture by Dr. David Boyajian from Weill Cornell Medical Center, New York. All the fellows were eager to look at the cases and get the answer. The second lecture was also conducted by Dr. David Boyajian about the patient safety and professionalism, the value of a radiology report. It was interesting, since where I work we usually send large reports and the 45-minute-lecture showed us that it is better to have a structured report than having a long and confusing report. Almost all the fellows agreed about that. Imaging of Cardiac Emergencies: Triple Role Out was conducted by Dr. Klaus Hergan from Paracelsus Medical University Salzburg, Austria. The lecture was so well organized and beautiful; All the cases and the images were educational. After the coffee break Dr. David Boyajian discussed shoulder dislocation and Associated injuries, the lecture contained both MRI and X-ray imaging and method of injury of shoulders. Almost everything about shoulder injuries was being discussed. Dr. Suzanne E. Anderson followed with MSK infection and other forms of inflammation, mimickers were included we had lots of cases to look at, that was so educational. I am always concerned about the safety of CT and the amount of radiation that the patient is exposed to, especially for the young population. The last lecture given by Dr. David Boyajian has been addressed to the importance and the concern about radiation particularly in CT scanning. After a nice lunch and coffee, the next lecture at 2 o'clock was about peripheral nerve injury by Dr. Hannes Platzgummer from the Medical University of Vienna. In my institution we don't have the habit to look at the nerves with ultrasound but I think that is going to change very soon thanks to Dr. Hannes Platzgummer. At last we had hands-on ultrasound workshop. We all did the ultrasound guided biopsy and MSK and peripheral nerve scanning. Before we know it the day was over.

Fathia Salah, MD (Ethiopia)

SEMINAR DIARY FROM FELLOW

Luis Zavala Garza, MD
Instituto Mexicano del Seguro Social
Mexico City, Mexico
September 22-28, 2019



September 22, Sunday. Today I was a little bit tired, because my flight from Mexico was about 11hrs of duration....so I felt sleepy. I had to wait until night for the first meeting, so I started to go for a walk outside and was surprised by the view of Salzburg, it's a beautiful place with so much to offer. I started by going around Schloss Arenberg, that is a place with an interesting history. First place to visit outside was Mozarts' Birth House, a very interesting place full with history, culture and a feeling of Salzburg's representation. Later my colleague Elisa from Mexico and I went around the Residenzplatz and were surprised by so much people because of the beginning of a festival which was full of colors, music and food, so we bought souvenirs and food there and went back to our rooms in Schloss Arenberg. Before reception we waited in the garden, where we met some fellows from different places around the world and started a friendly communication. The reception meeting took place at 7 o' clock and was made by Dr. David W. Trost Course Director and Dr. Franz Kainberger Co-Course Director as well as professors, all of them made this a very friendly reception, some of them with typical clothes of the region and introduced the course organization, main issues and tips. After the reception we had a tasty dinner and met other fellows from different regions, so it gave us a chance to get to know each other and make friends.

September 23. Monday. After breakfast we went to the Hall to start the pre- seminar test and the faculty presentations, this is a very nice and comfortable place with adequate lights so we all paid good attention. The pre-seminar test was full of interesting cases and we even had time to reevaluate some questions. We received some educational material to read for the week and the first faculty presentation started with Polytrauma Imaging by Christian R. Krestan, MD with very interesting topics and tips, after the presentation we had a break. By 10:30 we started the presentation of Imaging of Pediatric Emergencies by Janina Patsch, MD who showed us important tips for emergency cases imaging reading. Commonly Missed Fractures presentation by Christian R. Krestan, MD started, he recommends to stay alert while studying this kind of cases and the value of MRI in specific cases. At 12 o'clock Lily M. Belfi, MD showed us the importance of new development technology applications for Artificial Intelligence which is an "eyes on it" topic for the future. We had a tasty lunch and prepared us for the next presentation which was about Common and Rare Causes of Acute Abdominal Pain that also provided interesting tips. After the faculty program the workshop with the fellows' case presentations started and I decided to be first on the line with a PRES case presentation, I was nervous but it went well by the end, so the other fellows started to participate with very interesting cases, we had a lot of cases today so I guess the fellow case presentations will end soon. At 5pm the presentation of the OMI/AAF started and we had time to relax and have dinner.

September 24, Tuesday. We started with the faculties presentations, these case presentations and topics in trauma had important tips to make the evaluations easier. After the coffee break we had an excellent presentation with Dr. John Tsiouris as well as facial bone trauma presentation with Dr. Soraya Robinson. Dr. Lily M. Belfi impressed us with a burn out presentation because it is still a not well known affection making this morning so interesting. We went for a tasty lunch at 12:45 we are still meeting new people and learning some things about their cultures. By the afternoon we started with some related sports' presentation which gave us some interesting topics to apply in our practice. In the afternoon the workshop with the fellows' presentations showed many interesting cases that actually become part of our new diagnostics because of different kind of pathologies presented in each country. The ultrasound workshop started today and we were divided into two different groups, so my workshop will be on Thursday, we had time to relax so some fellows and I went to visit some parts of the city as well as the "Festung Hohensalzburg" which is a fortress fulfilled with the history of the town and also has many impressive views of the city.

September 25, Wednesday. Dr. Lily M. Belfi started with some case presentations, that were full of information and interesting finding tips that will be now in our imaging evaluation practice. After the imaging cases we had MSK presentations from very well experienced doctors. After trauma presentations we had an interesting presentation of imaging in forensic medicine by Dr. Franz Keinberger, who showed us the importance for details in reports for use in forensic evaluation, I remember some kind of these themes in the medicine school but the interesting thing now is how imaging works in forensic evaluation, so it's new for me. We had a free afternoon so I went down town with some fellows so I had the opportunity to buy some souvenirs and take a walk by the beautiful river.

September 26, Thursday. Today it started as an interesting day because many tips were given by Dr. David A. Boyajian and Dr. Klaus Hergan that surely will become useful in our practice in reporting and cardiac imaging. After the coffee break we had some MSK presentations that gave us mainly information of how to apply specialized in articular inflammation as well as radiation dose optimization in CT scans. After lunch we had a presentation of Peripheral Nerve injuries with many interesting tips to apply in ultrasound practice and the directions for an MRI study given by Dr. Hannes Platzgummer. By 2:45pm we had the ultrasound workshop with Dr. Franz Kainberger, Dr. Florian A. Huber and Dr. David W. Trost with very interesting practice tips that made the workshops very easy to understand. Later we had a Chamber Music Concert in the Hall at 20:00hrs, it was full of very good classical music by expert musicians that made this night a special one. It was interesting to realize that some fellows do play piano music and other instruments. After the concert we had time to relax and talk with professors and fellows as well as the musicians who were very kind, so the fellows and I took some pictures as a reminiscence.

September 27, Friday. Today is the last day. I am excited to see what's coming, there are very good presentations on today's schedule as well as a post seminar test, it's funny because many fellows and I are not worried about the test because we are so grateful to participate in this seminar, so that we were discussing on how much information we had received from it. We already have exchanged information and contacts so I hope we stay in touch to continue this feedback, and hope to see everybody soon. I am very happy to participate in this seminar and also grateful for the organization of this event. I won't forget this experience and surely will apply it to my practice. Hopefully I will exchange this information with residency programs also like many doctors in my hospital. Thanks!

Luis Zavala Garza, MD (Mexico)