IBRA International Bone Research Association

Scholarship report Program B

Name of Scholar	**V L Č E K Martin, M.D., Ph.D.**
Country of Citizenship	Czech Republic
Workplace of Scholar	Orthopaedic Clinic of First Medical Faculty of Charles University at the University Hospital in Motol in Prague (www.fnmotol.cz)
Name and Country of Training Center	**Policlinico of Modena, Italy** **Department: Unit of Hand Surgery and Microsurgery** (www.aou.mo.it)
Name of Fellowship Director	Dr. Roberto Adani
Scholarship date	**September 27, 2021 - October 8, 2021** (2 weeks)

I am professionally engaged in the treatment of injuries of the musculoskeletal system, so I was most interested in soft tissue and bone injuries.The centre of Hand surgery and Microsurgery of the Policlinico of Modena is the referral Centre of Emilia-Romagna region of for all cases of second level as regard complexity hand surgery and microsurgery. An independent emergency reception service is provided in day time linked to a day surgery Unit where emergency and elective cases are routinely treated. The Centre warrants the treatment of all the pathologies at the hand and wrist level including: all the acute trauma of the hand, wrist and forearm, nerve and vascular lesions at the upper limb, post-traumatic sequelae affecting bones, tendons and nerves, osteoarthritic and rheumatologic deformities at the hand and wrist level and congenital deformities.

My felolwship director Dr. Roberto Adani is specializes in complex microsurgical reconstructive surgery of the hand and upper extremity. He has published over 220 journal articles, 28 book chapters.

During the scholarship, I had the opportunity to see about 30 operations that took place in the operating rooms in the emergency and in the halls for elective procedures. The most inspiring and beneficial for application in clinical practice for me were the following surgical procedures:

- application of external fixator Multifix on extraarticular distal radial fractures anchored miniinvasively using Kirschner wires into the area of the distal fragment and diaphysis without a bridged wrist enabling practically immediate initial rehabilitation
- displacement of a vascularized soft tissue graft for the treatment of an open thumb fracture with lossy soft tissue injury of the distal phalanx
- corrective ostomy in the area of distal radius

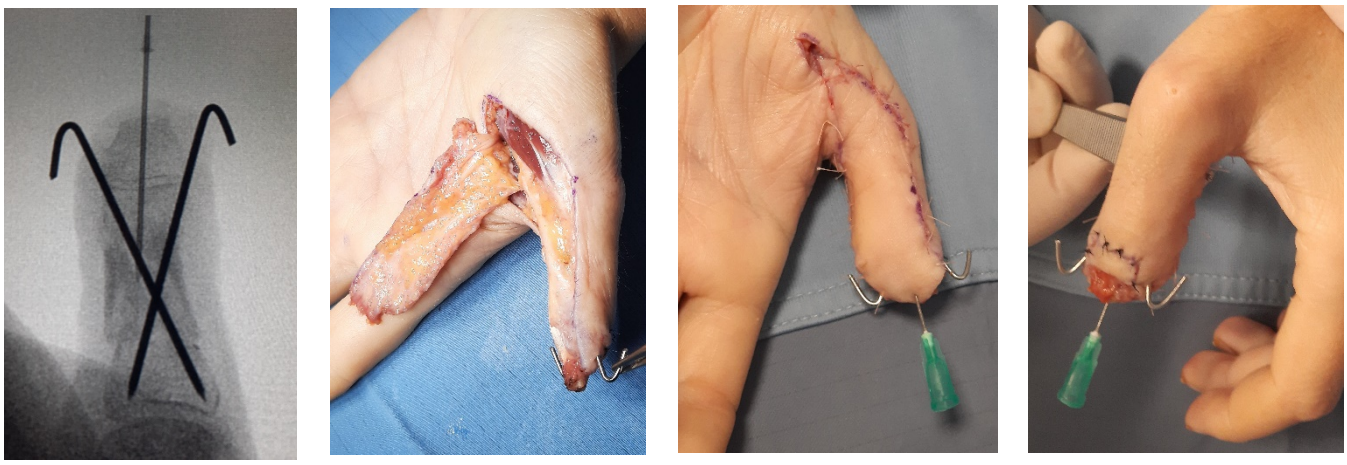

Fig. Transfixation of an open thumb fracture with Kirschner wires and displacement of a vascularized graft

Fig. Dorsal surgical approach to the wrist

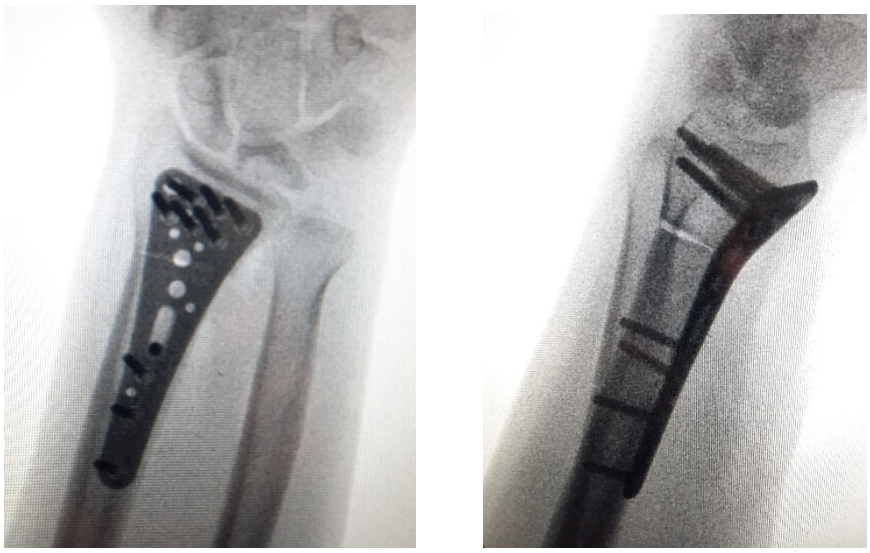

Fig. Abbreviated corrective osteotomy of distal radius

The most significant personal experience of the internship for me was an awareness of the anatomical context in the area thanks to different surgical approaches in individual operations, which I was able to watch intensively repeatedly during the days of my stay.

Tips to future scholars:
I recommend staying at Hotel Daunia***: this is a small renovated hotel located directly in front of the hospital entrance. Delicious Italian coffee is served for breakfast. In the historic center of Modena you can spend beautiful evenings in countless stylish restaurants and cafes.

Acknowledgement:
Finally I would like to thank IBRA for arranging this great experience. My thanks go also to dr. Roberto Adani for his friendliness during my internship at the University Hospital in Modena. I had the pleasure of meeting his team of very skilled surgeons. Many thanks for helpfulness to dr. Della Rosa Norman and Leti Acciaro Andrea.

Modena, Italy, October 8, 2021 MUDr. Martin Vlček, Ph.D.