

## *IBRA FINAL SCHOLARSHIP REPORT*

### *UNIVERSITY OF FRANKFURT*

*I, Raphael Capelli Guerra acted as a IBRA SCHOLLASHIP visiting doctor from 2<sup>nd</sup> of January 2018 to 13<sup>th</sup> of February 2018 at the Department for Oral, Cranio-Maxillofacial and Facial Plastic Surgery at the Medical Center of the Johann Wolfgang Goethe University Frankfurt (head: Professor Dr.Dr.Dr.Robert Sader).*

*During the entire stay, I participated beside the general ward service regularly in the outpatient service - consulting patients with trauma of the jaws, dental inflammations, primary diagnostics and follow up of tumors of the oral cavity, follow-up of interdisciplinary treatment of skeletal malformations especially skeletal discrepancies, children with cleft lip and palate or craniofacial malformations, patients with TMJ disorders, virtual planning and as well as with patients with highly atrophic jaws to be treated by endosseous dental implantation.*

*In addition to the clinical routine work, I was serving in the operation theatre, as well as a second surgical hand during the most common cranio-maxillofacial operations regarding simple and complex fracture treatment of the mandible, the maxilla, the forehead and the skull base by conventional and resorbable osteosynthesis, the correction of skeletal anomalies of the head by orthognatic surgery, extensive tumor resections including new technologies like intraoperative sentinel lymph node biopsy together with microvascular reconstructions, reconstructive TMJ surgery and in simple and extensive dento-alveolar operations. I have a special interest in surgery of orthognatic patients and presented a fundamental knowledge in that field. I am involved in actual clinical research regarding the use of modern osteosynthesis systems, especially the use of the different mandibular plates depending on the type of mandibular*

*osteotomy (Schlossmann versus Obwegeser-Dal Pont) and the use of different reconstruction plates after partial resection of jaw bones related to ablative tumor surgery.*

*This IBRA Schollarship was very important to my complementary formation, that I had the possibility to operate something like 100 surgeries using all types of fixation in the craniomaxillofacial field.*

*During my fellowship, I learned and developed several techniques in maxillofacial surgery, and i could be able to enumerate as the main and favorites .....*

*1- Variations of sagital obwegeser osteotomy.*

*2- Osteotomy for partial segmentation of the mandible cases of cancer surgery.*

*3- Mandibular reconstruction techniques using Microsurgical flap of fibula and pré banded through virtual planning and use of reconstructive plates trilock system.*

*4 - Variations of Lefort I osteotomies, for mid face síndromes*

*5 -Use of bone repair techniques.*

*All these 5 favorite techniques, I observed, learned and can be very well used in daily clinical practice in Brazil, , that except for techniques for osteotomies in case of cancer and microvascular surgeries that we need a plastic surgeon or head and neck, and some techniques for cleft patients like Prof. Sader techiques.*

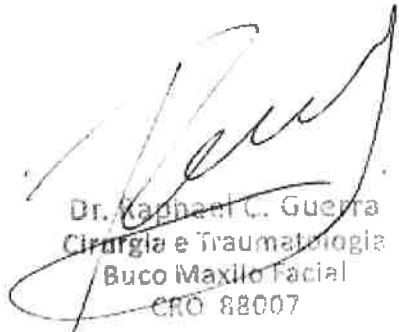
*The materials we have here in Brazil are practically the same in Germany and Switzerland.*

*As discussed with Prof Neff, the same will need me to return to Marburg for 10 to 14 days to get the clinicals data from patients operated with the new reconstruction plates. The same in conversation informed that it would be primordial still this year in July or December to obtain this data.*

*I would like to thank you all IBRA committee and in special for Mr.Vazquez,for this very important opportunity, to start about this moment a Clinical Study with Prof. Neff , Prof Juergens and Prof. Hochuli in a Multicentric IBRA CENTER Study (MARBURG, BASEL AND ARARAQUARA) and I would like to inform that I am at IBRA's disposal for conducting clinical studies, conducting courses in the field of craniomaxillofacial surgery and becoming a research partner.*

*Best Regards*

*SÃO PAULO, 20/2/2018*



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