

Dear Sir;

I would like to thank the ESID board member for allowing me having this great learning opportunity in PID diagnostics and management which will help me fulfill my dream in establishing a complete diagnostic Immunology laboratory in my center.

It was my great pleasure to spend 5 months in Pediatric Immunology/ Bone Marrow Transplantation Unit/Immunology laboratory in Great Ormond Street Hospital, London from 9<sup>th</sup>- of January till 26<sup>th</sup>- of May 2017 through the ESID Medium Term fellowship.

I spent most of this period in the diagnostic Immunology laboratory under supervision of Dr. Kimberly Gilmour. I learned about FACs principles, types and usage. I learnt how to process samples for different Immunological tests as Immunphenotyping and Molecular Immunology tests, how to acquire and to analysis them. I attended twice weekly authorization for different laboratory results. As a part of my fellowship I got involved in a project and was able to set up CD70 assay as a my project.

I spent 2 weeks in Molecular diagnostic genetic laboratory in GOSH. I learnt how samples are prepared and processed before being acquired by NGS. I observed and learnt raw data analysis, interpretation and results reporting. I was given samples which I analyzed as part of my training.

I attended 3 weeks in BMT unit during which I have observed patients' preparation for BMT and complication of BMT the acute ones and the chronic. I have learnt different protocols used and most important is the process of donor selection. I have attended follow BMT clinics and observed how to explain the BMT process to parents with its pros and cons and how to tackle and answer parents all their questions and worries.

During this period I was able to observe the clinical examinations, assessment of the PID patients, the investigation required for them and management of their complications in the Immunology department. This was done by attending the weekly ward round and weekly Pediatric immunology clinics. I learned how to listen to parents concern and how to manage. I also attended long term post BMT clinic for PID . I have observed pain and nutrition management along with strict infectious control measures.

I was actively participated in different the scientific meetings/seminars and teaching sessions for registrars and clinical fellows. I attend the weekly journal club meeting where the young researchers were discussing their work and the obstacles . I presented in one of them a case of ?? MHC class I deficiency. I have participated in data collection of the GOSH cohort regarding patients with partial Di Geroge Syndrome. I presented 2 abstracts for poster presentation in ESID 2017 with the following titles "MULTIPLE COMPLICATIONS IN A FAMILY WITH ATAXIA-TEANGIECTASIA" and "VARIED PRESENTATIONS OF X-LINKED LYMPHOPROLIFERATIVE DISEASE WITHIN THE SAME FAMILY INCLUDING ISOLATED CNS HLH".

On the social level, I was enjoying recognition different culture and nationalities.

I am grateful to all those I have worked with in GOSH for sharing their knowledge and experience with me. It was a very useful journey for me on the scientific and social level. I will use all these information and data to improve service provided to PID patients in our center and establish an Immunology lab in it.

Thanks

Nesrine Radwan