

Hemato-oncology Pediatric - Hope Team Apollo Hospitals, Chennai

Facilities and tests available:

- a. Diagnostic immunology including flow cytometry, molecular facilities for diagnosis, testing for donor chimerism including PCR and FISH, testing of infections including viruses with multiplex PCR, transplant immunology including detection of donor specific antibodies
- b. Radiology department including X ray, CT, MRI, Nuclear medicine including PET CT, interventional radiology
- c. Microbiology and biochemistry departments
- d. PID package (including lymphocyte subset analysis by flow cytometry, Immunoglobulins profile including IgG, IgM, IgA, IgE, NBT assay)

Cost I NR 10,000

Samples required: EDTA3-4ml Itube, Heparin 3-4ml Itube

Turnaround time: report will be available the same day

Therapeutic facilities available:

1. IVIG
2. Diagnosis and treatment of all intercurrent illnesses including availability of 24-hour blood bank and pediatric intensive care unit with trained personnel
3. Hematopoietic stem cell transplantation with particular focus on primary immune deficiency transplants
4. Booklets/educational material for PID and HSCT are available freely

Degree course:

Two-year degree post MD/DNB Pediatrics- Fellowship of National Board (FNB) affiliated to the National Board of Examinations (NBE)

Details of application are available on NBE website

Work load details approximately

- a. The unit performs over 100 pediatric BMTs per year
- b. Over40 new PID cases are seen and diagnosed each year
- c. The unit has so far performed over 100 PID transplants including matched related donor, matched unrelated donor, haploidentical stem cell transplants including both T cell depleted grafts through TCR alpha/beta depletion and T cell replete grafts with posttransplant cyclophosphamide
- d. Data on PID transplants has been published in August 2018 by the unit Link:

www.indianpediatrics.net/aue2018/661.pdf