

TO WHOMSOEVER IT MAY CONCERN

This is to inform you that ***Ms. Leanne Francisca D'Souza*** , M.Sc. Part 1 student from Goa University has completed 15 days internship from **20th May 2022 to 8th June 2022** in Aarogyam Pathology Lab in the following departments - Microbiology, Clinical Pathology , Haematology, Molecular, Serology and Biochemistry.

During this internship programme with us, she has been exposed to different processes and was found to be sincere and hardworking.

I wish her every success in her future endeavours.

For Arogyam Pathology Centre

ESouza
15/6/22
Dr Eugene D'Souza M.D.
Senior Consultant Pathologist
HOD

Dr. Eugene D'Souza -MD
Consultant Pathologist
LAB Head

Arogyam Pathology Centre

Shop no. 5 & 6, Pai Bhavan, Near Hotel Goa International,

Tonca, Caranzalem, Goa 403002

CONTACT US: 9021329823 | contact@arogyampathologycentre.com

Examination of electrolytes like Na^+ , K^+ , Cl^- , Ca^{++} , Mg , pH and blood gases analysis: (pH, PCO_2 , PO_2 , HCO_3^-) were carried out using fully automated machines cobas b 221 which give the result

In Hematology I have learned how to carry out routine blood tests like CBC, WBC count, RBC count, ESR Erythrocyte sedimentation rate, etc

In Serology work was done manually with readymade kit which provided by Manufacturer Company. These tests were WIDAL, ASO, VDRL and HIV TRI-DOT. I also observed ABO blood grouping by (Slide Method)

In Microbiology, the vials of blood from patients were first placed in BD BACTEC a blood culture instruments that is designed for the rapid detection of microorganisms in clinical specimens, I then observed streaking of vials of blood that showed growth detected by the instrument on different media like MacConkey's Agar, Blood Agar and Chocolate Agar. I also observed other specimens like body fluids and tissue being streaked on different media like MacConkey's Agar, Blood Agar and Chocolate Agar. Preparation of bacterial smear from growth was then done and Gram staining of the smear using standard procedure. Examination of Gram stained slide to determine Gram Character (G+ve or G-ve) and cell morphology and arrangement.

Examination of haemolysis on blood agar plate (alpha, beta, and gamma), Examination of pigment production. I also observed the Antibiotic Disc Assay which showed the sensitivity of antibiotics to an organism.

ESauz

Dr. Eugene D'Sauza
M.D.