



Kingdom of Saudi Arabia
National Guard Health Affairs
King Abdulaziz Medical City, Riyadh



DEPARTMENT OF PATHOLOGY & LABORATORY MEDICINE

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BIOCHEMICAL METABOLIC LAB

The Biochemical Metabolic lab have started the **national newborn screening program for the following disorders:**

- 1- Phenylketonuria-PKU
- 2- Maple Syrup Urine Disease-MSUD
- 3- Argininosuccinase Deficiency-ASL
- 4- Citrullinemia-ASD
- 5- HMG-Co lyase deficiency
- 6- Isovaleric Acidemia –IVA
- 7- Methymalonic academia-MMA
- 8- Propionic academia-PA
- 9- Beta-Ketothiolase deficiency
- 10- Glutaric Academia Type 1
- 11- Medium Acyl-Co A dehydrogenase deficiency
- 12- 3-Methylcrotonyl-CoA Carboxylase deficiency
- 13- Very long Acyl-Co A dehydrogenase deficiency
- 14- Homocystinuria
- 15- Congenital Hypothyroidism
- 16- Congenital Adrenal Hyperplasia
- 17- Biotinidase deficiency
- 18- Galactosemia



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CYTOLOGY

Department of Pathology and Laboratory Medicine organized Medical laboratory Technology Training Program (MLTTP). We have three students for this academic year starting from 8 September 2013. Cytology section accepting students from King Saud Bin Abdulaziz University and other colleges to train as internship student. They spend a week in our section and covering theoretical and practical cytology. On October we have one student where he spend a week in cytology and this week we have another student. We have also three new Saudi staff working as a cytotechnologist. Those staff have been graduated from medical laboratory technology training program which held last year.

Cytology section expected to have new supervisor in few weeks.

SEROLOGY

Serology is pleased to announce the availability of a new test Autoantibodies to Glutamic Acid Decarboxylase (Anti-GAD IgG), which was previously send out. This test is performed once a week. It is used for the quantitative determination of Anti-Gad in prediabetic high-risk individuals as well as Insulin Dependent Diabetes Mellitus (IDDM). The screening of high-risk populations for all the three Autoantibodies (ICA, IAA, AND GAD) will help to either prevent or to slow down the onset of the disease. A high-risk (asymptomatic) population, positive to two or more autoantibodies, is vulnerable for developing IDDM, usually in the next 5-7 years.

EVENTS

The 3rd Point of Care Testing Symposium was held on 1-2 October 2014 at the Postgraduate Center Auditorium at King Faisal Specialist Hospital & Research Center. International and local speakers imparted their knowledge with the theme "Optimizing Point of Care Testing Meet Promises & Avoid Pitfalls". Among the local speakers is our very own Mr. Ghassan Samman, Supervisor of Primary Health Care Clinic and Point of Care Services.

ANNOUNCEMENT

The Department wishes to congratulate Ms. Souad Al Enazi of Biochemical Metabolic Laboratory for being promoted to Senior Medical Technologist.

Ms. Susan Grajo and Ms. Thelma Soriano from Receiving section transferred to Laboratory Business and Stat Lab, respectively.

