

Newborn Screening/ Metabolic Laboratory

Department of Laboratory Medicine and Pathology



مؤسسة حمد الطبية
Hamad Medical Corporation

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Neonatal screening is the most important preventive public health program of the 21st century. It is implemented in the majority of the developed countries. Screening of newborn babies is designed to pursue early recognition of certain disorders with an aim to prevent serious consequences in the future. It is critical for the health of a newborn with positive screening results to be treated rapidly by the laboratory and to convey quick communication of lab results with the treating team.

The Department of Laboratory Medicine and Pathology has established a comprehensive newborn screening laboratory at Hamad Medical Corporation, with the purchase of specialist equipment and the recruitment of trained personnel. Personnel underwent training in recognized world class newborn screening laboratories including University Clinics Heidelberg and the Mayo Clinic. The Metabolic Screening Laboratory systematically developed, validated, and introduced newborn screening tests on dried blood spots DBS.

Metabolic Screening Laboratory in Qatar aims to provide a high quality newborn metabolic screening and diagnostic service for newborns in order to reduce mortality and morbidity associated with specified congenital metabolic disorders and to enable early detection of pre-symptomatic newborns.

The most thorough screening panel checks for about 40 disorders such as congenital hypothyroidism, Galactosemia, Phenylketonuria (PKU) and Homocysteinuria.



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