Collection, Storage, Retrieval and Distribution of Biological Materials for Research

Mohammad Amin Kerachian¹

¹ Medical Genetics Research Center, Faculty of Medicine, Mashhad University of Medical Sciences (MUMS), Mashhad, Iran

Abstract

The availability of high quality biological and environmental specimens for research purposes requires the development of standardized methods for collection, long-term storage, retrieval and distribution of specimens that will enable their future use. Sharing successful strategies for accomplishing this goal is the main purpose of this presentation. Throughout it effective practices are presented for the management of specimen collections and repositories. Repository planning considerations, facilities, storage equipment, access, quality standards and security systems will be discussed. We are developing a Colorectal Cancer Repository collecting different types of specimens for CRC patients. Repositories are so precious tools to study diseases especially in preventive medicine.

Keywords: Repository, Colorectal Cancer, Specimen, Storage, Sampling

Corresponding Author: Mohammad Amin Kerachian

Email: kerachianma@mums.ac.ir