

Statistical evaluation of biomarker results

Assoc. Prof. RNDr. Ladislav Pecen, Ph.D.

Dpt. of Immunochemical Diagnostics, University Hospital Pilsen

The lecture deals with statistical evaluation of biomarker results. The first issue which is solved in this lecture is setting of reference limits. Important is the purpose for which the biomarker/s are used. This could be: - screening, - primary diagnostics, - early detection of disease return, - evaluation of response to therapy, etc. For each of these purposes, the most appropriate procedures for analysing such data are then shown and when it is appropriate to analyse multiple procedures.