Cancer Genomic Testing and Its Application to Molecular Pathology Diagnosis

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Message from the Guest Editor

Previously, the purpose of genetic testing was to corroborate diseases based on somatic mutations for inborn and metabolic diseases. Currently, PCR and chromosome analysis technologies are used in clinical testing, and genetic testing for hematopoietic tumors is performed not only for infectious diseases but also for malignant tumors. In pathological diagnosis, with the adoption of companion diagnostics for cancer, more information is required than can be obtained by PCR or Sanger sequencing for genetic abnormalities, and so next-generation sequencing has finally come into its place. Information on genetic aberrations based on disease origin can be obtained not only from large panels, but also from compact panel analysis of specific tumors, which is highly useful. I hope that the results will contribute to the improvement of genome testing technology by elucidating the genetic abnormalities of many cancers and their molecular mechanisms.

Special Issue

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Message from the Editor-in-Chief

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