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Diagnosis and Treatment of Hepatocellular Carcinoma

Guest Editors:

Dr. Dimitrios Karagiannakis

Academic Department of Gastroenterology, Medical School of National and Kapodistrian University of Athens, "Laiko" General Hospital, 17 Agiou Thoma Street, 11527 Athens, Greece

Dr. Evangelos Cholongitas

1st Department of Internal Medicine, General Hospital of Athens "Laiko", Medical School of National and Kapodistrian University of Athens, 11527 Athens, Greece

Dr. Nikolaos Machairas

2nd Department of Propaedeutic Surgery, National and Kapodistrian University of Athens, Athens, Greece

Message from the Guest Editors

Hepatocellular carcinoma (HCC) is the most common liver cancer. The diagnosis of HCC is usually based on non-invasive imaging criteria. Liver transplantation, surgical resection, and loco-regional therapies, such as ablation and trans-arterial chemoembolization (TACE), constitute the major treatment options for HCC. The subsequent approval of systematic therapies, including tyrosine kinase inhibitors (TKIs), immune checkpoint inhibitors (ICIs), and monoclonal antibodies, changed the landscape of HCC management. The induction of these factors not only improved the prognosis of patients previously not eligible for treatment, but is expected to impact the already-established therapeutic strategies. Nevertheless, the optimal sequence and possible combinations of these regimens remain to be defined, while new biomarkers predicting the response to treatment need to be validated. In this Special Issue, we present an update regarding the diagnosis of HCC, the role of biomarkers and liquid biopsy in the evaluation of the disease, and the latest data concerning the current and future treatment options.

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Prof. Dr. Edgaras Stankevičius

Medical Academy, Lithuanian
University of Health Sciences,
Kaunas, Lithuania

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Medicina Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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