

Special Issue on  
**Current Innovations in the Management of  
Hepatocellular Carcinoma**

# CALL FOR PAPERS

Hepatocellular carcinoma is one of the most frequent malignancies world-wide. Recent technological innovations and advances have changed significantly the landscape of the management of these patients, even in the case of advanced disease. The combination of improvements in surgical technique, together with the use of new technology in the planning and execution of the operation, has led to new frontiers of being able to manage more complex cases. To do this successfully, it has been necessary to assemble a multidisciplinary team, consisting of surgeons, gastroenterologists, radiologists, and oncologists. The newest addition has been the recruitment of molecular biology, as it has become evident that identifying and understanding the biological behavior of a tumor, as well as its microenvironment, may be the key to providing these patients with more targeted therapies.

We invite investigators to contribute original research articles, as well as review articles that will provide an in-depth look to what the present holds and what the future promises. Specifically, we are interested in articles that will present the current situation with the use of minimally invasive surgery (laparoscopic and robotic) in the management of hepatocellular carcinoma, as well as papers that will dissect the nature and contribution of novel technologies (such as irreversible electroporation, radiofrequency ablation, and microwave coagulation) to the locoregional management of these lesions. The issue of resection versus transplantation is continuously evolving given new techniques such as Associating Liver Partition and Portal vein Ligation for Staged hepatectomy (ALPPS). Additionally, we would like to stimulate discussion over the concept of targeted management of hepatocellular carcinoma, including its relation with cirrhosis. Special emphasis could be given to the issue of Hepatitis C viral infection and hepatocellular carcinoma, given the advent of new medication that is changing the landscape. This effort is based on presenting the current concepts on the tumor microenvironment (miRNA, SiRNA, stem cells, and biomarkers among others) for each patient, as well as the use of navigation systems and image-guided surgery, so that a targeted approach can be undertaken.

Potential topics include but are not limited to the following:

- ▶ The use of minimally invasive surgery for the management of hepatocellular carcinoma
- ▶ The use of liver navigation systems for operating on hepatocellular carcinoma
- ▶ The debate over resection versus orthotopic liver transplantation for the management of hepatocellular carcinoma
- ▶ Innovations and future developments in chemotherapy protocols, including antiangiogenesis medications
- ▶ The potential role of stereotactic radiation therapy
- ▶ The effort to identify the tumor and patient microenvironment (miRNA, genes, and markers) for hepatocellular carcinoma and its importance in planning a patient-targeted or patient-individualized approach
- ▶ The controversy over the use of hepatic artery infusion pumps
- ▶ The different methods for locoregional treatment of hepatocellular carcinoma, including RFA, microwave coagulation, and irreversible electroporation
- ▶ The application of image-guided surgery in providing a more targeted approach to these patients
- ▶ Radiological challenges in the diagnosis of hepatocellular carcinoma
- ▶ Debate over the management of patients with hepatocellular carcinoma and potential small liver remnant over the use of portal vein embolization (PVE) versus Associating Liver Partition and Portal vein Ligation for Staged hepatectomy (ALPPS)

Authors can submit their manuscripts through the Manuscript Tracking System at <https://mts.hindawi.com/submit/journals/cjgh/hepatology/cmhc/>.

Papers are published upon acceptance, regardless of the Special Issue publication date.

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**Submission Deadline**

Friday, 30 March 2018

**Publication Date**

August 2018