

Special Issue

Liver Transplantation: Pathogenesis, Therapeutic Strategies and Future Challenges

Message from the Guest Editor

In recent years, liver transplantation has undergone major changes, as seen in the progressive reduction in viral liver disease and the increase in MASLD, and the ever-increasing indications in transplant oncology (intrahepatic and peri-hilar cholangiocarcinoma, and non-resectable liver metastasis). At the same time, the use of livers from extended-criteria donors, including grafts from very old donors and severely steatotic grafts, as well as those following cardiac death, has increased. These grafts are managed appropriately using machine perfusion—hypothermic oxygenate (HOPE) or normothermic (NMP)—which allows for the dynamic preservation of organs and enhances early allograft function, reducing ischemia-reperfusion injury. This Special Issue focuses on recent research progress on the pathogenesis, therapeutic strategies and future challenges in liver transplantation. We invite experts interested in this issue to submit original manuscripts and reviews on any of the above-mentioned topics relevant at the molecular level.

Guest Editor

Dr. Francesco Tandoi

Hepatobiliary Surgery & Liver Transplant Unit, Department of Precision and Regenerative Medicine and Ionian Area, A.O.U. Policlinico di Bari, Bari, Italy

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle
Marche, Via Ranieri 65, 60100 Ancona, Italy

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