

Special Issue

Liver Transplantation: Current Hurdles and Future Perspectives

Message from the Guest Editor

Liver transplantation has evolved to produce excellent results over the decades, providing the ideal treatment for end-stage liver diseases and primary liver tumors. Recipient survival exceeds 90% and 75% at 1 and 5 years, respectively. The epidemiology of indications has changed too, increasing rates of metabolic-related cirrhosis, a declining incidence of virus-related chronic liver disease, and more frail, elderly, high-acuity recipients. At the same time, improvements in graft preservation strategies thanks to the widespread use of machine perfusion allowed the use of extended criteria grafts, with a growing role of donation after circulatory death of various types, attenuated ischemia/reperfusion injury, and extended preservation. Still, a number of challenges remain unsolved, and the gap between the growing demand for potential liver transplant candidates and the number of available grafts is far from being filled.

In this Special Issue, we seek to focus on the current hurdles and future perspectives of liver transplantation, embracing all aspects from organ donation and preservation to perioperative care up to life-long recipient management.

Guest Editor

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