

Special Issue

Current Challenges and Perspectives in Liver Transplantation

Message from the Guest Editors

In recent years, the criteria for deceased donor liver transplantation (DDLT) have expanded to include older donors, those with multiple comorbidities, donors after circulatory death (DCD), and grafts with significant steatosis. This shift responds to the rising demand for liver transplants from candidates with increasingly demanding clinical conditions. However, using lower quality grafts and accepting higher risk recipients poses an elevated risk of post-transplant complications, including early allograft dysfunction and vascular and biliary complications. Additionally, a new trend in selecting hepatocellular carcinoma (HCC) patients for liver transplantation seeks to combine traditional morphological parameters—such as tumour size and number—with advanced markers of tumour biology and patient immune function. Furthermore, new liver malignancies tend to become indications for LT and living donor liver transplantation (LDLT) can be a viable option to expand donor pool. This Special Issue aims to explore these pressing clinical issues and the impact of technological advancements on LT based on existing experiences.

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