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Project Title	New treatment strategy in acute on chronic liver failure using human iPS cell derived liver organoids
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Report	<p>In our laboratory, we induced differentiation of human iPS cells into three types of cells, endoderm cells (HE), mesenchymal cells (STM) and vascular endothelial cells (EC). Three types of cells have been mixed and three-dimensionally cultured to produce liver organoids. In this research, we aimed to develop the optimal method for producing human iPS cell-derived liver organoids for ACLF- therapy. In 2019, we developed the fusion type human iPS cell-derived liver organoids. This type of liver organoid can be attached to the surface of the liver, which tends to bleed such as cirrhosis.</p>