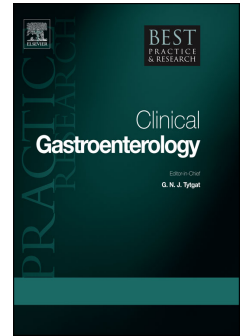


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The use of (very) old donors in liver transplantation

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Invited review**The use of (very) old donors in liver transplantation****Authors:**Bobby VM Dasari¹ MD, FRCSe-mail; Bobby.Dasari@uhb.nhs.ukAndrea Schlegel¹ MD, FEBSe-mail; Andrea.Schlegel@uhb.nhs.ukHynek Mergental¹ MD, PhDe-mail; Hynek.Mergental@uhb.nhs.ukM. Thamara PR Perera^{1*} MBBS, MS, FEBS, MD, FRCS

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Key words: Elderly donors, extended criteria donors, marginal donors, liver transplantation

Abbreviations:

MELD: Model of end stage liver disease; ROS: oxygen free radicals; ER: endoplasmatic reticulum; DAMP`s: Danger associated molecular pattern`s; KC`s: Kupffer cells; TLR-4: Roll-like-receptor-4; SEC: sinusoidal endothelial cells; IP: ischemic preconditioning; RIPC: remote ischemic preconditioning; VEGF: vascular endothelial growth factor; DCD: donation after circulatory death; DBD: donation after brain death; NRP: normothermic regional perfusion; HMP: Hypothermic machine perfusion, HOPE: Hypothermic oxygenated perfusion; HCC: Hepatocellular carcinoma; IPF: initial poor function; NASH: Nonalcoholic steatohepatitis; NMLP: normotherm machine liver perfusion; NRP: Normotherm regional perfusion; ATP: adenosine triphosphate; IL; Interleukin;

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