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Gangarao Davuluri, Dawid Krokowski, Bo-Jhih Guan, Avinash Kumar, Samjhana Thapaliya, Dharmvir Singh, Maria Hatzoglou, Srinivasan Dasarathy

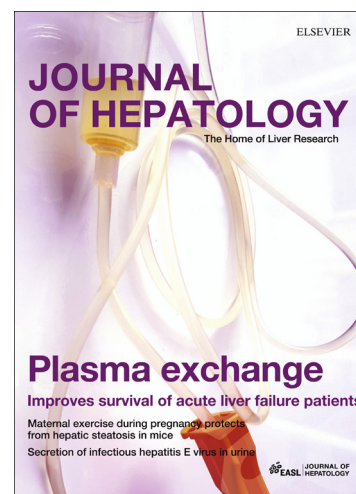
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Metabolic adaptation of skeletal muscle to hyperammonemia drives the beneficial effects of L-leucine in cirrhosis

^{1¶}Gangarao Davuluri, ^{2¶}Dawid Krokowski, ²Bo-Jih Guan, ¹Avinash Kumar, ¹Samjhana Thapaliya, ¹Dharmvir Singh, ²Maria Hatzoglou, ¹Srinivasan Dasarathy
¹Departments of Pathobiology, Gastroenterology and Hepatology, Cleveland Clinic, Cleveland OH. ²Department of Genetics and Genome Sciences, Case Western Reserve University, Cleveland OH.

¶ Contributed equally to the work

GD, DK, BG, AK, ST assisted with design of the experiments, performed the experiments, analyzed and interpreted the data and helped with the writing of the manuscript. DS helped with the data organization, generating figures and writing the manuscript; MH and SD designed and performed experiments, analyzed and interpreted the data, and wrote the manuscript.

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List of Abbreviations. α KG alpha ketoglutarate; BCAA/LEU branched chain amino acids enriched with L-leucine; CHOP C/EBP homology protein; eIF2 α eukaryotic initiation factor 2 alpha; GADD34 growth arrest and DNA damage inducible protein 34; GCN2 general control non depressible 2; KRBB Krebs Ringer bicarbonate buffer; MEF mouse embryonic fibroblasts; mTORC1 mammalian target of rapamycin complex 1; PCA portacaval anastomosis; PERK PKR like eIF2 α Kinase; PKR protein kinase RNA regulated; SLC solute linked carrier; TG thapsigargin.

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Address for correspondence.

Srinivasan Dasarathy MD
NE4 208, 9500 Euclid Avenue
Lerner Research Institute
Cleveland Clinic
Cleveland, OH 44195
Email: dasaras@ccf.org
Phone: 2164442980
Fax: 2164453889

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